

NKANGALA DISTRICT MUNICIPALITY



ACQUISITION OF WIDE AREA NETWORK (WAN) AND REMOTE CONNECTION (APN) SERVICES FOR NKANGALA DISTRICT MUNICIPALITY FOR 36 MONTHS.

SCOPE OF WORK

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1. Introduction

The Municipality hereby invites bids from registered financial institutions for the **ACQUISITION OF WIDE AREA NETWORK (WAN) AND REMOTE CONNECTION (APN) SERVICES FOR NKANGALA DISTRICT MUNICIPALITY FOR 36 MONTHS.**

Corporate APN & Internet Breakout Solution

Generic Scope of Work (SoW) and Bill of Quantities (BoQ)

Prepared For: Organisation Name

Generic Scope of Work (SoW)

1. Background & Objectives

The organisation requires a secure, private mobile connectivity solution that enables remote users to access internal systems and applications hosted at its data centre. The solution must include a Corporate APN environment supporting approximately 400 users, a shared mobile data pool, dual diverse backhaul links, and a redundant active-active Internet Breakout.

2. Scope of Work

2.1 Corporate APN Service

The service provider must deliver a private APN environment supporting secure mobile data connectivity, SIM authentication, optional RADIUS/AAA integration, static IP assignment, and a shared data pool. e-SIM/3-in-1 Physical SIM Cards to be made available as per the needs of the municipality.

2.2 APN Backhaul Connectivity

Two 200mbps independent, geographically diverse backhaul links must be provided with active-active operation, load-sharing and seamless failover.

2.3 Internet Breakout

2.3.1 Two (200Mbps) independent dedicated Internet access circuits must be supplied, each uncontended and delivered at the contracted bandwidth.

2.3.2 One (100Mbps) dedicated Point to Point uncontended and delivered at the contracted bandwidth.

2.4 Email Security and Continuity

The solution is to provide security awareness training and a cyber risk management platform that helps you combat information security breaches caused by employee mistakes. It should further manage all email-related risks with security and cyber resilience. Get targeted threat protection, archiving and continuity – all in an integrated service

2.4 AAA / RADIUS Integration

The organisation will provide and host a RADIUS/AAA server supporting authentication, accounting and directory integration.

2.5 Management & Monitoring Tools

The provider must supply portals for SIM provisioning, usage reporting and optional advanced APN management capabilities.

2.6 Remote Site Connectivity & Fire Stations

LTE/4G/5G connectivity to be provided for remote sites outside fibre coverage with a minimum of 20mbps guaranteed speed.

Fire Stations to be connected with a minimum of 50mbps guaranteed speed.

2.7 Testing & Commissioning

End-to-end testing must be completed, including APN connectivity, RADIUS authentication and application-level verification.

2.8 Project Rollout Requirements

The provider must deliver full implementation, including SIM provisioning, backhaul installation, APN activation and training.

2.9 Exclusions

Firewall configuration, end-user devices, non-standard fibre build and hardware maintenance are excluded unless specified.

Bill of Quantities (BoQ)

A. Corporate APN & SIM Services

Item Description	Quantity	Unit
APN setup and activation	1	Each
Monthly APN service fee	1	Per APN
Shared APN data bundle (5 TB or selected size)	1	Per bundle
APN SIM cards	400	Per SIM
SIM provisioning/ management portal access	1	Per APN
Administrator training	1	Session

B. APN Backhaul Links (Diverse)

Item Description	Quantity	Unit
Dedicated backhaul link (primary)	1	Link
Dedicated backhaul link (diverse)	1	Link
Router/CPE rental or purchase (if provider-supplied)	2	Each
Backhaul SLA (GMTR-based)	1	Lot

C. Internet Breakout (Redundant)

Item Description	Quantity	Unit
Dedicated Internet Access (primary circuit)	1	Circuit

Dedicated Internet Access (diverse circuit)	1	Circuit
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100 Mbps Nkangala District Office and DR site Nokaneng Fire Station (Point to Point)	1	Circuit
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D. Optional APN Management Platform

Item Description	Quantity	Unit
APN management system deployment	1	Once-off
Monthly user/SIM management licensing	400	Per SIM

E. Optional Professional Services

Item Description	Quantity	Unit
Integration engineer (standard level)	As needed	Per hour
Senior network specialist (advanced)	As needed	Per hour

F. Remote Site Connectivity

Item Description	Quantity	Unit
LTE/4G/5G router + monthly connectivity (EHP's)	1	Site
50mbps (Fire Stations)	1	Site
Additional roaming/unlimited mobile data options	As required	Site

THE RATES ARE VALID 12 MONTHS AFTER THE DATE OF SUBMISSION, WHERE AFTER AN ESCALATION OF THE CPIX BE ALLOWED ANNUALLY.