

RFP064/05

For the supply of Low Cost Routers

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Contact Person Donné Botha
Tel (012) 311-7282
Fax (012) 324-2173
e-mail Bothadl@Telkom.co.za
Document Fee R 200

Scope:

For the Supply of Low Cost Routers

Critical Criteria:

Bidders must comply with the following Critical Criteria in terms of RFP064/05.

- 1) The Vendor is to comply with the following critical criteria:

Commercial:

Vendor to have ownership of at least 25.1% Black Shareholding (Documented proof to be provided i.e. Shareholding Agreement and Share Certificates, aswell as Audit Report)

Technical:

Description
Overview of the System
b. All physical interfaces shall be based on standard protocols and open interfaces
d. The security available on the device shall ensure that it shall not be possible to tamper with Telkom configurations.
Packet Processing
a.The following customer protocols shall be supported:
i. IPv4 (RFC 791, 950, 919, 922)
Physical Layer Protocols
The following protocols shall be supported over the relevant interfaces:
a. ADSL: ITU-T G992.1
b. SHDSL: ITU-T G991.2 (2-Wire or 4-Wire)
WAN Protocols
The following protocols shall be supported over the relevant interfaces:
a. ATM (UNI 3.1 ATM layer) (af-uni-0010.002)
Network-Element Management Requirements
Management Protocols and Interfaces
a. SNMP v2 shall be used for notifications, and MIB-II polling.
b. The management protocols shall be transmitted in-band.
c. A local management interface shall be available on the router for local configuration and management access.
Security Management
a. Must comply with TACACS+ or RADIUS (RFC 2865).
b. Password Authentication to Identify Users.

Electromagnetic Compatibility (EMC)

- a. Power Port: Shall comply with ETSI EN 300 386 V 1.2.1 (2000-03) Section 7.2.4 (Other than Telecommunication Centres, AC Power Port). For Surge testing a source impedance of 2 ohm shall be used.

Safety Requirement

The item shall comply with the safety requirements as specified in SANS EN 60950:1999.

Location: Pretoria
