

POWERTEL COMMUNICATIONS (PRIVATE) LIMITED



REQUEST FOR QOUTATION

Tender No:	RFQ/PWT/ST/08/2023
Closing Date:	25 August 2023
Time:	1000hrs

SUPPLY AND DELIVERY OF GPON OLT

1. INTRODUCTION

This document is a Request for Quotation (RFQ) for the Supply and delivery OF GPON OLT

- This RFQ was prepared by Powertel and is being offered to suppliers on the clear understanding that its contents are strictly confidential and may not be disclosed to any third party without prior written permission of Powertel.
- There is no intention that the proposed resultant contracts will in any way be limited to any specific supplier of services and the specifications are based on generally achievable performance requirements.

2. INSTRUCTIONS TO TENDERERS

- All quotations must be correctly addressed to the Procurement Manager and deposited in the tender box situated at the reception at number 16 Birmingham Road, Southerton, Harare on or before 1000 hours on the closing date.
- All queries should be made in writing to :-The Procurement Manager, Powertel Communications, P O Box 7600, Harare, 16 Birmingham Road, Southerton, Harare email :procurement@powertel.co.zw
- The lowest evaluated quotation that meets specifications shall be awarded the tender.

Note:

- **Bidders not registered with PRAZ will not be disqualified but will be required to do so before contract signing**

ADMINISTRATIVE REQUIREMENTS

The Administrative Requirements are shown below, Bidders must provide the documents

No.	Subject	Criteria	Documentation Required
1.	Legal Status	Vendor must be a legally registered entity and should have the legal capacity to enter into contract	Company Registration Documents 1. Certificate of Incorporation 2. CR14 3. Company Profile

2.	Bankruptcy	Bidder must not be insolvent, in receivership, bankrupt or being wound up, not have had business activities suspended and not be the subject of legal proceedings for any of these circumstances	1. Declaration by completing and signing the bidders declaration form.
3.	Conflict of Interest	Bidders must not be debarred from participation in public procurement under section 72 (6) of the Act and section 74 (1)(c) (d) (e) of the Regulations or declared ineligible under section 99 of the Act	Bidder must declare non-debarment and non-conflict of interest by completing and signing the bidders declaration form.
4.	PRAZ registration	Bidder must be registered with the Procurement Regulatory Authority of Zimbabwe and should have paid the applicable Supplier registration fees set out in Part III of the fifth schedule of the Regulation	1. Bidder to attach Proof of PRAZ registration, Details for registration and applicable fees are available on www.praz.gov.zw
5.	Eligibility	All bidders from countries eligible to trade with Zimbabwe are eligible to apply	All registered with PRAZ are eligible to participate
6.	Bid Validity	Bids are required to remain valid for 30 days from the closing date of the tender	1. To state bid validity period on the bid submission sheet. The minimum bid validity period required is 30 days.

BILL OF QUANTITIES

GPON ONU SPECIFICATIONS				
No.	Description	Qty	Unit Price	Total
	GPON OLT	3		

4 PORT GPON OLT (Fully equipped with SFPs in every Port)

4 PON PORT GPON OLT			
No.	Description	Minimum Requirement	Compliant/Not Compliant
1	Dimensions	≤299.80 x 258.95 x 42.55 mm (11.8 x 10.2 x 1.7")	
2	Weight		
3	Without Mount Brackets	≤1.93 kg (4.25 lb)	
4	With Mount Brackets	≤2.13 kg (4.70 lb)	
5	Max. Power Consumption	35W (Excluding SFP Transceivers)	
6	Power Method	110 - 240VAC Modular Port	
7	Power Supply	AC/DC Internal 56W DC	
8	Supported Voltage Range	100 - 240VAC; 16-25VDC	
9	Button	Reset	
10	Processor	MIPS 1004Kc 880 MHz Dual-Core	
11	System Memory	512 MB DDR3, 512 MB NAND	
12	LEDs		
13	System	Status	
14	PON Data Ports	Link/Activity	
15	SFP+ Data Ports	Link/Activity	
16	RJ45 (MGMT) Port	Link/Activity	
17	Interfaces		
18		(4) GPON OLT (Subscriber/GPON Ports)	
19		(1) 1G/10G SFP+ Ports (Uplink Port)	

		Hot-swappable	
		Fully equipped with all SFPs	
20	Management Port	(1) RJ45 Ethernet Port	
21	Serial Console Port	(1) RJ45 Serial Port	
22	USB Port	Yes	
23	Rackmount	Yes - Compatible with 19" Rack & ≤ 2U height	
24	Operating Temperature	-10 to 45° C (14 to 113° F)	
25	Operating Humidity	10 - 90% Noncondensing	
26	Certifications	CE, FCC, IC	
27	GPON SFP OLT Transceiver	Single Fiber, SM SC/UPC, 20 km, 1490 nm TX/1310 nm RX	
28	SFP Supported	ITU-T G984.2 Class B+	
29	Concurrent connections	Supports up to 512 Clients (128 per PON Port)	
30	Other Features	Support L2/L3 Management	
31	Firmware	Free - Upgradable online	
32	NMS	Free NMS Software (Support Windows/Linux)	
33	Dynamic Bandwidth Allocation (DBA)	Supports DBA as defined in ITU-T G.984.3.	
34	Encapsulation	Support for GEM (>8 services streams)	
35	Manufacturer's Data Sheet	Mandatory (To confirm compliance)	
36	Declaration of bidder's compliance to Specs	Bidder completed this compliance sheet	

NMS Specs

Network Management System Specifications			
N o.	Description	Specifications	Compliant/N ot Compliant
Hardware Specifications			
1	Fault Reporting	Automatic fault detection correlation, reporting & supervision	

2	NMS Security	Highly secure through Domains and User-Profiles & variable levels of authorisations.	
3	Simple Network Management System (SNMP) Support	Open SNMP. MIB file accessible by 3 rd party open source NMS system	
4	User Interface	GUI multi-mode view	
5	Web Support	Technicians must be able to remotely access the NMS system from the web	
6	System Upgrade	Online Upgrade of NMS via web	
7	Information Displayed	<ul style="list-style-type: none"> • Network element Hardware Configuration status • Software config status • Fault Alarms • Network Statistics • Link status • etc 	

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