



MALAWI NATIONAL EXAMINATIONS BOARD
P.O. BOX 191, ZOMBA.
REQUEST FOR QUOTATIONS (FOR GOODS)

Procurement Number: MANEB/G/RFQ/086/24-25

To:

Date: 03/09/2024

The Procuring Entity named above invites you to submit your quotation for the goods described herein. Partial Quotations may be rejected, and the Purchaser reserves the right to award a contract for selected items only. Any resulting order shall be subject to the Government of Malawi General Conditions of Contract for Local Purchase Orders (available on request) except where modified by this Request for Quotations.

SECTION A: QUOTATION REQUIREMENTS:

- 1) Description of Supply and Delivery of
SUPPLY AND DELIVERY OF HARDWARE AND SOFTWARE FOR THE MANEB DISASTER RECOVERY SITE
- 2) Quotation prices should be based on:
For goods supplied from within Malawi; EXW – insured and delivered to **MANEB ZOMBA** or for goods supplied from outside of Malawi; DDP to [*point of delivery*].
- 3) The delivery period required is 14 days from date of order.
- 4) Quotations must be valid for **30 days** from the date for receipt given below
- 5) The warranty/guarantee offered shall be: **12 months**.
- 6) Quotations and supporting documents as specified in Section B must be marked with the Procurement Number given above, and indicate your acceptance of the terms and conditions.
- 7) Quotations must be received, in sealed envelopes, no later than: **14:00hrs on 10/09/2024**
- 8) Quotations must be returned to:
The IPDC Chairperson,
The Malawi National Examination Board,
P.O. Box 191
ZOMBA.
Att: Joan C. Khofi, Contact: +265882804774
- 9) The attached Schedule of Requirements at Section C, details the items to be purchased. You are requested to quote your delivered price for these items by completing and returning Sections B and C.

Quotations that are responsive, qualified and technically compliant will be ranked according to price. Award of contract will be made to the lowest priced quotation by item or by total through the issue of a Local Purchase Order.

Signed:

Name: J.C. Khofi

Title/Position: **Principle Procurement Officer**

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Your quotation is to be returned on this Form by completing and returning Sections B and C including any other information/certification required within this RFQ.

SECTION B: QUOTATION SUBMISSION SHEET

- 1) Currency of Quotation: Malawi Kwacha
- 2) Delivery period offered: days/weeks/months from date of Purchase Order.
- 3) The validity period of this Quotation is: days from the date for receipt of Quotations.
- 4) Warranty period (where applicable):..... months.
- 5) We attach the following documents:
 - i. Section C of the Request for Quotations completed and signed;
 - ii. A copy of our Trading Licence,
 - iii. A copy of our Annual Tax Clearance Certificate (for the last Financial Year),
 - iv. A list of recent Government contracts performed,
 - v. *[Insert any other documentation required by the Procuring Entity].*
- 6) We confirm that our quotation is based on the terms and conditions stated in your Request for Quotations referenced above, and that any resulting contract will be subject to the Government of Malawi General Conditions of Contract for Local Purchase Orders.
- 7) We confirm that the prices quoted are fixed and firm for the duration of the validity period and will not be subject to revision or variation.

Authorised By:

Signature: _____ Name: _____

Position: _____ Date: _____
(DD/MM/YY)

Authorised for and on behalf of:

Company: _____

Address:

.....

Contact numbers:

.....

.....

If any additional documentation is attached to your quotation, a signature and authorisation at Section B and Section C is still required as confirmation that the terms and conditions of this RFQ prevail over any attachments. If the Quotation is not authorised in Section B and Section C, the quotation may be rejected.

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SECTION C: SCHEDULE OF REQUIREMENTS (TO BE PRICED BY BIDDER)

Item No	Description of Goods (Attach detailed specification if necessary)	Unit of Measure	Quantity	Delivered Unit Price Kwacha	Delivered Total Price Kwacha
1	Hardware and Software for the MANEB Disaster recovery Site as per attached specifications	Each			
				Sub Total	
				16.5% VAT	
				Grand Total	

The following attachments are appended to clarify the Description of Goods:

[List any attachments providing additional specification of the goods required]

Authorised By:

Signature: _____ Name: _____

Position: _____ Date: _____

(DD/MM/YY)

Authorised for and on behalf of:

Company: _____

SSPECIFICATIONS FOR THE HARDWARE AND SOFTWARE COMPONENTS FOR THE MANEB DISASTER RECOVERY SITE (DRS)

#	ITEM	QTY	TECHNICAL SPECIFICATIONS
1	Physical Server	3	<p>CPU: Up to two 2nd Generation Intel® Xeon® Scalable processors, up to 28 cores per processor</p> <p>RAM: 256GB DDR4 modules of 1333MT/s expandable to 1TB</p> <p>Form Factor: Rack</p> <p>Hard drives: 8 * 1 TB Solid state storage cards built in.</p> <p>Drive bays: 16 hot-plug 2.5” SATA SSD drive bays</p> <p>Communications:</p> <p>Embedded NICs:</p> <ul style="list-style-type: none"> • GbE or 10Gb embedded NIC options with iSCSI offload • Broadcom® 5709c 4-port (4 x 1GbE) Embedded NIC or • Broadcom 57711 4-port (2 x 10GbE + 2 x 1GbE) Embedded • NIC + Broadcom 5709c <p>Other interfaces:</p> <ul style="list-style-type: none"> • iSCSI HBA stand up adapter OCE10102-IX-D • Brocade CNA BR1020 QLogic QLE2660 FC16 Single-channel HBA, PCIe 3.0 x4 • QLogic QLE2662 FC16 Dual-channel HBA, PCIe 3.0 x4 <p>Power supplies: Hot-plug redundant PSUs: 4 x 750W (Energy Smart PSU) (or) 4 x 1100W (High Output PSU)</p> <p>Operating systems VMware ESXi</p>
2	Hardware Firewall	2	<p>Interfaces and Modules:</p> <ul style="list-style-type: none"> • 16 * GE RJ45 Interfaces • 8 * GE SFP Slots • 4 * 10GE SFP • 2 * GE RJ45 Management Ports • 1 USB Port, • 1 * RJ45 Console Port <p>Included Transceivers: 2x SFP (SX 1 GE)</p> <p>System Performance — Enterprise Traffic Mix:</p> <ul style="list-style-type: none"> • IPS Throughput :12 Gbps • NGFW Throughput:10 Gbps • Threat Protection Throughput: 9 Gbps • IPv4 / IPV6 Firewall Throughput (1518 / 512 / 64 byte, UDP): 79.5 / 78.5 / 70 Gbps • Firewall Throughput (Packet per Second): 105 Mpps • Firewall Policies: 10 000 • IPsec VPN Throughput (512 byte):55 Gbps • Gateway-to-Gateway IPsec VPN Tunnels:2000

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			<ul style="list-style-type: none"> • Client-to-Gateway IPsec VPN Tunnels: 50 000 • SSL-VPN Throughput: 3.6 Gbps • Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode): 5000 • SSL Inspection Throughput (IPS, avg. HTTPS):8 Gbps • SSL Inspection CPS (IPS, avg. HTTPS):6000 • SSL Inspection Concurrent Session (IPS, avg. HTTPS):800 000 • Application Control Throughput (HTTP 64K): 28 Gbps • CAPWAP Throughput (HTTP 64K):65 Gbps • Virtual Domains (Default / Maximum): 10 / 10 • High Availability Configurations: Active-Active, Active-Passive, Clustering <p>Configuration and support services required</p>
3	Network switches	2	<ul style="list-style-type: none"> • Port Quantity: 48 • RAM: 8 GB • Flash: 16GB • Port Speed: 10 Gbps • Max Active VLANS : 1,000 • VLAN IDs: 4,094 VLANs • Switching Capacity: 640 Gbps • ACL Scale Entries: 5,120 • Switching capacity: 208 Gbps • Total number of MAC addresses: 32,000 • Total number of IPv4 routes (ARP plus learned routes): 32,000 (24,000 direct routes and 8000 indirect routes) • IPv4 routing entries: 32,000 • IPv6 routing entries: 16,000 • Multicast routing scale:8,000 • QoS scale entries: 5,120 • ACL scale entries: 5,120 • Packet buffer per SKU: 16 MB • FNF entries :64,000 flow
4	Server Rack	1	<ul style="list-style-type: none"> • Mounting Profile: Front and Rear • Number of Doors: 2 • Width: 800mm • Depth: 1000mm • Height: 988mm • Loading Capacity: 1000Kgs • Material: High grade cold rolled steel. • Surface finish: Degrease, acid pickling, rust prevention and Parkerizing, pure water cleaning, static electricity plastic painting. • Degree of Protection: IP20Thickness • Mounting profile: 2.00mm others: 1.2–1.5mm • Standard: Comply with ANSI/EIA RS-310-D, IEC297-2, DIN41494; PART1, DIN41494; PART7, ETSI

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			<ul style="list-style-type: none"> • Standard Body Color: RAL9004 • Accessories: <ul style="list-style-type: none"> ○ Rackmount LCD Drawer with a KVM Switch. ○ 2U HotLok Blanking Panel with Upsite Temperature Strip ○ Fiber Optic Patch Cords ○ Catx Cables & Power Cords ○ Rack PDUs: Power Strips, Plugs, & Connectors ○ Server Rack Fans & Rackmount Enclosure Fan Assemblies ○ Rack Mounting Hardware
5	VMWare ESXiStandard software license	1	<p>Supported features:</p> <ul style="list-style-type: none"> • vSphere Hypervisor • vMotion • vSphere Replication • vSphere Quick Boot • vCenter High Availability • vCenter Backup and Restore • vCenter Server Appliance™ Migration • Cross vCenter Mixed Version Provisioning • Per VM Enhanced vMotion Compatibility • vCenter® Hybrid Linked Mode • VMware Skyline Manager • Virtual Volumes • Identity Federation • Trusted Platform Module Support • FIPS 40-2, 140-3, and Common Criteria Certification • TLS 1.2 and 1.3 • Support for Microsoft Virtualization-Based Security (VBS) • Per-VM Enhanced vMotion Compatibility • Instant Clone • VMware vShield Endpoint
6	SAN Storage Unit	2	<ul style="list-style-type: none"> • Chassis format: All-in-one (single/dual controllers, internal drive bays, networking) with expansion options • Rack size: 2U • RAID support: RAID 1, 5, 6, 10, or ADAPT RAID; any combination of RAID levels can exist in single array • Controllers: 2 hot-swappable per chassis (dual active) • Processors: Intel Xeon Processor • 24 x 2.5" drive bays • System memory: 16GBper controller (32GB total) • Min/Max drive count: 2/276 • Storage media: SAS and NL-SAS drives; different drive types, transfer rates, rotational speeds can be mixed in the same system:

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			<ul style="list-style-type: none">○ NLSAS 7.2K 3.5" – 4TB, 8TB, 12TB, 16TB, 16TB FIPS, 20TB○ SAS 10K 2.5" – 1.2TB, 2.4TB, 2.4TB FIPS○ SSD – 960GB RI, 1.6TB MU, 1.92TB, 3.84TB, 3.84TB FIPS, 7.68TB RI○ SDD and HDD: FIPS-certified SEDs• Host interface: FC, iSCSI (optical or BaseT), SAS• Replication: Asynchronous replication via FC or iSCSI – ME4 to ME5; ME5 to ME4; ME5 to ME5• Business continuity: VMware Site Recovery Manager• Host OS support: VMware 7.0 and 6.7, Windows 2022, 2019 and 2016
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