REQUEST FOR QUOTATION

Proc. Number: 270/IPDC/EPD/2024/25/20   **Date: 25th October, 2024.**

To:

The Procuring Entity named above invites you to submit your quotation for the goods/services 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: PROVISION OF CONFERENCE PACKAGE;

NO	DESCRIPTION	Unit of Measure	QTY
1	Local Area Network Equipment and Installation		

1)   Quotation should be based on:
   (a) EXW – insured and delivered to the purchaser for goods/services supplied from within Malawi and
   (b) Delivered Duty Paid (DDP) to purchaser goods supplied from outside of Malawi.

2)   Services are to commence from date of confirmed order.

3)   Services are to be completed by the specified time.

4)   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.

5)   Quotations must be received, in sealed envelopes, no later than: **11:00am hours on 01st November, 2024.**

6)   Quotations must be deposited in the tender box located in the corridor at the door of Procurement Office Ground Floor in The Department of Economic Planning Building at; Procurement Unit, P.O. Box 30136, Capital Hill.

7)   The attached Schedule of Requirements at Section C, together with any terms of Reference or other documentation mentioned in Section C and appended, detail the services to be performed. You are requested to quote your delivered price for these items by completing and returning Sections B and C. quotations shall cover all costs of labour, materials, equipment, overheads, profits and all associated costs for performing the services including

1

all taxes and duties. The total cos of any incidental services or materials shall be deemed to be included in the prices quoted.

8) [*List any other requirements e.g. the provision of samples*]

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

Signed: …………………………………   **Name:** S. Mkwezalamba

Title/Position: Procurement Officer

For and on behalf of the Purchaser

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. Tax Clearance Certificate

   iv. Certificate from PPDA

   v. A copy of tax exemption if any

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: ………………………………………………………………………………………….

……………………………………………………………………………………………...........

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.

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

Item No	Description of Goods (See attached specifications)	Unit of Measure	Qty	Delivered Unit Price *Kwacha*	Delivered Total Price *Kwacha*
1	Local Area Network Equipment and Installation				
	SUB TOTAL				
	1% PPDA Levy				
	VAT 16.5%				
			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: _____

BLOCK A
LIST OF OFFICES FOR LOCAL AREA NETWORK INSTALLATION

NAME OF OFFICE	NO. OF LOCAL AREA NETWORK POINTS
Monitoring & Evaluation	10
Safeguards	8
Coordinators Office	2
Coordinators Secretary	2
Wi-Fi Access points (Collidor 1)	1
Project engineer	2
Procurement	8
Financial Specialist	4
Reception	2
Wi-Fi Access points (Collidor 2)	1
Deputy Coordinator	2
Boardroom	4
Wi-Fi Access Points (Boardroom)	1
TOTAL	**47**

BLOCK B
LIST OF OFFICES FOR LOCAL AREA NETWORK INSTALLATION

NAME OF OFFICE	NO. OF LOCAL NETWORK POINTS
Procurement 2	4
Human Resource	4
Accounts	4
Spare Room	4
Wi-Fi Access points (Corridor 1)	1
IT Room & Server Room Annex	4
Spare room	2
TOTAL	**23**

LIST OF EQUIPMENT

To connect these offices to the Local Area Network, the following requirements and equipment are needed:

LOT 1	ITEM	Quantity
1.	Cisco Catalyst C9200 L (48 port)	1
2.	Cisco Catalyst C9200 L (24 port)	1
3.	Cisco Router C8300-1N1S-4T2X	1
4.	Single core fiber 4 core	50 metres
5.	Fiber accessories pig-tails, fiber connectors, fiber patch panels, fiber trays)	2
6.	Cat 6a cable drums support high-speed data transmission(500m)Molex cable	500 metres
7.	Fly Leads 3 metres	70
8.	Trunking tubes (50mm by 75mm)	50
9.	Packets of cable ties	10 packets
10.	5 KVA Rackmount UPS	1
11.	42 U Rack	1
12.	Server	1
13.	Power extension cables with surge protector	5
14.	Firewall	1
15.	Patch codes (1 metre)	50

LOT 2	ITEMS	QUANTITY
1.	Air Conditioner 24000BTU	1

LOT 3	ITEMS	QUANTITY
1.	Fire extinguisher (Wall mount)	1

LOT 4	ITEMS	QUANTITY
1	Smoke Detector	1

EQUIPMENT SPECIFICATION

NETWORK SWITCH

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Downlinks total 10/100/1000 or PoE+ copper ports	48 ports full POE+	M	
Uplink configuration	4x 1G fixed uplinks	M	
Default primary AC power supply	PWR-C5-1KWAC	M	
Fans	Fixed redundant	M	
Software	Network Advantage	M	
Chassis Dimensions	1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm	M	
Virtual Networks	1	M	
Stacking bandwidth	80 Gbps	M	
Total number of MAC addresses	16,000	M	
Total number of IPv4 routes (ARP plus learned routes)	11,000 (8,000 direct routes and 3,000 indirect routes)	M	
IPv4 routing entries	3,000	M	
IPv6 routing entries	1,500	M	
Multicast routing scale	1,000	M	
QoS scale entries	1,000	M	
ACL scale entries	1,500	M	
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models	M	
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models	M	
DRAM	2 GB	M	
Flash	4 GB	M	

VLAN IDs	1024	M	
Total Switched Virtual Interfaces (SVIs)	512	M	
Jumbo frames	9198 bytes	M	
Wireless bandwidth per switch	N/A	M	
Switching capacity	104 Gbps	M	
Forwarding rate	154.76 Mpps	M	
Mean time between failures (hours)	347,760	M	
SFP Ports	Transmission speed (1G, 10G, etc)	M	

NETWORK SWITCH

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Downlinks total 10/100/1000 or PoE+ copper ports	24 ports full PoE+	M	
Uplink configuration	4x 1G fixed uplinks	M	
Default primary AC power supply	PWR-C5-600WAC	M	
Fans	Fixed redundant	M	
Software	Network Essentials	M	
Chassis Dimensions	1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm	M	
Virtual Networks	1	M	
Stacking bandwidth	80 Gbps	M	
Total number of MAC addresses	16,000	M	
Total number of IPv4 routes (ARP plus learned routes)	11,000 (8,000 direct routes and 3,000 indirect routes)	M	
IPv4 routing entries	3,000	M	

IPv6 routing entries	1,500	M	
Multicast routing scale	1,000	M	
QoS scale entries	1,000	M	
ACL scale entries	1,500	M	
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models	M	
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models	M	
DRAM	2 GB	M	
Flash	4 GB	M	
VLAN IDs	1024	M	
Total Switched Virtual Interfaces (SVIs)	512	M	
Jumbo frames	9198 bytes	M	
Wireless bandwidth per switch	N/A	M	
Switching capacity	56 Gbps	M	
Forwarding rate	83.33 Mpps	M	
Mean time between failures (hours)	392,210	M	
SFP Ports	Transmission speed (1G, 10G, etc)	M	

ROUTER

(a) **Specification Item**	**(b)** **Technical Specification Required Including Applicable Standards**	**(c)** **Mandatory**	**(d)** **Compliance to Requirements**
DRAM/flash	4 GB/8 GB	M	
Number of IPv4 routes	280K	M	
Number of VRFs	1K	M	
Wi-Fi domains	A, B, E, F, Q, or Z	M	

Specification Item	Technical Specification	Mandatory	Compliance
SD-WAN IPsec throughput (IMIX)	465 Mbps	M	
Number of IPsec IPv4 tunnels	100	M	
IPv4 forwarding throughput (IMIX)	1648 Mbps	M	
Ethernet Ports	8	M	
SD-WAN overlay tunnels	200	M	
Embedded access point	802.11ax wireless LAN	M	
LTE Technology	pluggable LTE technology (CAT4, CAT6,	M	
LAN Ports	8 integrated GE LAN ports	M	
GE WAN ports	2 integrated GE WAN combo (copper/fiber) ports	M	
IP Routing	OSPF/EIGRP/BGP	M	

WIRELESS ACCESS POINT

(a) **Specification Item**	**(b)** **Technical Specification Required Including Applicable Standards**	**(c)** **Mandatory**	**(d)** **Compliance to Requirements**
Recommended max number of active devices per AP	100+	M	
Max data rates	5374 Mbps	M	
MIMO	4X4	M	
Weight	775g	M	
Radios	2.4 GHz 802.11ax (Wi-Fi 6); 5 GHz 802.11ax (Wi-Fi 6)	M	
Dimensions	200mm (W) x 200mm (D) x 45mm (H)	M	
Power	802.3at (class 4), 20.1WMax, or 12Vdc	M	
Coverage Range	Up to 175 metres	M	
Recommended max number of	100+	M	

active devices per AP			

RACK ENCLOSURE

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Material	Metal	M	
Number of Rack Spaces	42U	M	
Maximum Height	80.19" (2036.94mm)	M	
Maximum Width	31.50" (800.00mm)	M	
Maximum Depth	43.31" (1100.00mm)	M	
Maximum Device Depth (with PDU Bracket)	33.46" (850.00mm)	M	
Static weight capacity	3000 lbs	M	
PDU Bracket	2x1U PDU with mounted surge protector, ground wire	M	
Color	Black	M	
FANs	2 mounted Fans	M	
Front Door	Perforated	M	
Rear Door	Split Perforated	M	
Static Load on Leveling Feet	3307lbs (1500kg)	M	
Grounding Wire	Front and back door frames, top panel and side panels	M	
Adjustable Mounting Depth	√	M	

FLYLEADS

11

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Conductor	23 AWG Solid Bare Copper	M	
Insulation	High Density Polyethylene Solid	M	
Pairs	2 Insulated Conductors Twisted Together	M	
Sheath	Cm/Cmr Frpvc	M	
Cable Diameter	6.0 +/- 0.2mm	M	
Length	500 meters	M	

Cat6 CABLE

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Category	Cat6	M	
Conductor	Stranded Bare Copper (7x 32awg)	M	
Length	3m	M	
Insulation	HPE (CMI-75E) Nominal wall, Thickness 0.178mm Min. thickness 0.153mm	M	
Color Code	Pair 1:Blue & white/Blue Pair 2:Orange & white/Orange Pair 3:Green & white/Green Pair 4:Brown & white/Brown	M	
Jacket	Any colour	M	

OPTICAL FIBER CABLE

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Core Diameter	9 microns	M	

Transmission Distance	Not less than100km	M	
Type	Outdoor use with max. distance of 100km	M	
Standard	ITU G.652	M	

DATABOX

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Colour	White	M	
Material	PC / ABS	M	
Network Type	Cat6 Shielded	M	

CABLE TIES

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Cable ties	50 mm	M	
Thickness	12 mm	M	

TRUNKING TUBES

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Dimensions	50mm x 75mm	M	
Colour	White Metallic	M	
Material	Metallic	M	
Material Quality	Polyvinyl Chloride (PVC)	M	
Mounting Method	Inner Lying	M	

Number Of Covers	1	M	
Length	3m	M	

UNINTERRUPTIBLE POWER SUPPLY (UPS)

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte b: leak-proof	M	
Interface Ports	DB-9 RS-232, Smart-Slot	M	
Maximum Depth	400MM, 40.0CM		
Width	145MM,14.5CM		
Control Panel	LED status display with On Line : On Battery : Replace Battery and Overload Indicators	M	
Input Voltage	230V	M	
Nominal Output Voltage	230V	M	
Typical Backup Time at Half Load	26.7 minutes (2000 Watts)	M	
Typical Backup Time at Full Load	9.4 minutes (4000 Watts)	M	
Output Power Capacity	4000 Watts / 5000 VA	M	
Efficiency at Full Load	96%	M	
Warranty	12 Months	M	

CONNECTORS

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements

Connector	UTP: RJ-45 connector, Optical: SC connector	M	
Power Consumption	less than 4W	M	
Operation mode	Supports 10/100/1000 Base-T/TX, Full, Half duplex n-way (Auto-Negotiation).Supports Full, Half duplex, 10/100/1000 speed manual selections. Transmission Packet Rate for 10/100Base-T/TX : 14880 per second	M	
Wavelength	Single mode: 1310/1550nm up to 20Km	M	

FIRE EXTINGUISHER

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Capacity	4.5	M	
Avg discharge time	10 sec	M	
Height	705mm	M	
Max service pressure	16.9MPa	M	
Test Pressure	250bar		
Fire Rating	55B	M	

AIR CONDITIONER

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Cooling capacity	6.45kw 22000Btu/h	M	
Heating capacity	6.45kw 22000Btu/h	M	
refrigerant	R410A	M	
Fan indoor	Cross flow fan	M	
Fan outdoor	Propeller fan	M	

Airflow rate	50.0 m x3/min	M	
Additional features	Air filtration, fan speeds, dehumidification, auto restart, sleep mode and timer		
Accessories	Remote Control (with batteries)		
Wall Mount	Yes	M	
Split Type	Yes	M	
Warranty	12 Months	M	

SMOKE DETECTOR

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Approval/Certifications	EN54-7	M	
Application/operation	Generates an alarm condition when it detects a pre-set threshold of smoke penetration into the smoke chamber	M	
Supply Wiring	2 wire monitored polarity insensitive	M	
Operating voltage	9-33V dc	M	
Alarm voltage	9-33V dc	M	
Weight	100g	M	

RACK SERVER

(a) Specification Item	(b) Technical Specification Required Including Applicable Standards	(c) Mandatory	(d) Compliance to Requirements
Processor Core Available	16 Core	M	
Processor Cache	24 MB L3	M	
Processor Name	Intel® Xeon® Silver	M	
Processor Number	1	M	

Processor Speed	2.4 GHz	M	
Included Memory	64 GB (1 x 64 GB) RDIMM	M	
Memory Type	HPE DDR4 Smart Memory	M	
NVDIMM Capacity	Up to 1TB per processor	M	
Storage	3 x 1 TB SATA/SAS HDDs	M	
Power Supply Type	Redundant power supply	M	
Expansion Slots	Up to 6 PCIe 3.0 slots		
Network Controller	331i 4x 1GbE		
Storage Controller	Yes	M	
Remote Management	Yes	M	
System Fan Features	redundant configuration		
Form factor	Rack Mount (2U)		
Product dimensions (imperial)	7.54 x 28.75 x 3.44 in		
Warranty	3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage.	M	

FIREWALL

(a) **Specification Item**	**Technical Specification Required Including Applicable Standards**	**(c)** **Mandatory**	**(d)** **Compliance to Requirements**
Firewall throughpt	2 Gbit/s	M	
IPS throughpt	700Mbit/s	M	
IPS+AV throughput	700Mbit/s	M	
Concurrent sessions	500,000	M	

New sessions per second	20,000	M	
VPN Throughput(IPSec)	400Mbit/s	M	
Virtual firewalls	20	M	
Fixed port	8GE	M	
Expansion Slots	none	M	
Interface module	none	M	
Height	Desktop	M	
Dimensions(H x W x D)	300*220*44.5	M	
Weight (full configuration)	1.7kg	M	
HDD	none	M	
Redundant power supply	Adepter	M	
AC power supply	100 V to 240 V	M	
DC power supply	none	M	
Maximum power	60W	M	
Operating environment: (Temperature/Humidity)	Temperature: 0 to 40 Humidity: 10% to 90%	M	
Non-operating environment	Temperature: -40 to 70 Humidity: 5% to 95%	M	
Warranty	12 Months	M	