Section VII. Technical Specifications

Bidders must state "Comply" in the column "Statement of Compliance" against each of the individual parameters of each "Specifications."

	Description	Statement of Compliance		
		Compliance		
Supply and Delivery of PANP Equipment for The Presidential Communications Office (PCO) (Procurement / Contract No. 2023-PCO-026)				
	h 48 port, brand new ollowing minimum requirements:			
Description	Brand-new and stackwise			
Port:	48 x Gigabit Ethernet Network, stackwise			
Height:	at least 1.73"			
Width:	at least 17.5"			
Form Factor:	Rack Mount			
Switch Type:	Managed			
Product Type: Network	Ethernet Switch			
Technology: Switching capacity and	10/100/1000Base-T			
stacking: Total no of MAC	736 Gbps (256 Gbps, 480 Gbps)			
addresses: Multi-cast routing	32,000			
scale:	8,000			
Forwarding Rate				
with stacking: DRAM and Flash	547 Mpps			
Memory:	8GB, 16GB			
Packet Buffer: No of VLANs	16 MB			
Supported: Support dual redundant power	4,000			
supplies:	Yes			
Fan:	Yes			
Warranty:	at least 1 year			
Features	Must have a high performance advanced layer 3 modular switch with virtual switching framework stacking, low latency, resiliency and supports the IEEE 802.1 AVB standard			
Basic Requirement:	Supply delivery, installation, commissioning, 8*5 phone, Email, On-site Support/Technical assistance and Knowledge Transfer.			

- 2. The proposed core switches should have full functional compatibility with the current equipment installed at site: DVB. idirect. C9200L.
- The Cumplior shall facilitate the removal of

3. The Supplier shall facilitate the removal of the existing core Switches (C3750G), migration and

configuration of the switches offered.

Item 2. Access Switch 24 port, brand new

Complies with the following minimum requirements:

Qty: Two (2)

24 x Gigabit Ethernet Network, 4*1G

Port: SFP

Switching capacity 56 Gbps

Forwarding Rate 41 Mpps or higher

Form Factor: Rack Mount Switch Type: Managed

Product Type: Ethernet Switch
Network Technology: 10/100/1000Base-T

Interface: Web based GUI warranty: at least 1 Year

ARP, port security, Time-based ACL

Defense Mechanism: and rate limit based to block

unauthorized devices, DOS, STP provides protection against loops by

transmitting loop protocol packets

Others: out of ports to prevent network faults

caused by loops generated by the connection of unauthorized devices 8*5 phone, email, chat support and

Support: Knowledge Transfer.

Item 3. Access Switch 48 port, brand new

Complies with the following minimum requirements:

Qty: Two (2) units

Description

Port: 48 x Gigabit Ethernet Network, 4*1G SFP

Switching

capacity 104 Gbps or better

Forwarding Rate 77 Mpps

Buffer size: 1.5 MB or higher

Form Factor: Rack Mount

Switch Type: Managed

Product Type:

Ethernet Switch

Network

10/100/1000Base-T Technology:

Interface: Web based GUI

at least 1 Year warranty:

ARP, IP Source Guard, Mac/Port and IP Binding, Security:

port security. Time-based ACL, rate limit based

to block unauthorized devices, DOS, STP

provides protection against loops by transmitting

loop protocol packets

Loopback Detection

out of ports to prevent network faults caused by

loops generated by the connection of

unauthorized devices

8*5 phone, email, chat support and Knowledge

Support: Transfer.

Others: Must be the same brand with the 24-port

Item 4. Uninterruptible Power Supply (UPS), brand new

Complies with the following minimum requirements:

Qty: Two (2) units

1KVA Rating:

Rack Mount or Tower Type Form Factor:

> Monitors power conditions and regulates voltage and frequency to

Technology: protect Equipment

220/230/240V Output Voltage:

40Hz-70Hz, 50/60 Hz Input frequency range:

Operating temperature: 0 to 40°C

<37 dB or <40 @ typical load Noise level: 1 USB port,1 RS232 serial port Communication Ports:

at least 1 year Warranty:

				1
Item 5. ICT Softwar				
Complies with the fo	llowing mini	mum requirements:		
Qty: 1 Lot Windows Server Software (Latest)		Must be compatible with the exisitng HP Proliant DL180 G9 8SFF Intel Xeon Processor E5-2609V3 (1.90 Ghz/6-core)/64GB System memory. Must be compatible with sunfire 4200 audio server software		
		Device/User CAL Running Apps: IceCast, XAMPP COntrol Panel v3.2.1		
hardware and service warranty		at least 1 year		
Item 6. Tools and n Complies with the fo	-			
Complies with the lo	Descripti	•	QTY	
	Cat 5e 30		2	
			1000	
		nector /pc	200	
		nector/ pc	100	
		nector/ pc	100	
	RJ9 connector/ pc rubber boots Red-500 pcs rubber boots Blue-500 pcs		1	
	Battery 9	V/pc	5	
Cables, Boots,	recharge	able Flashlight/pc	2	
Connectors and	rubber tape/ pc		10	
other materials	electrical	tape/ Pc	10	
	Safety Gloves (electrical)/ pair 12" Self-Locking Stainless		10	
	•	Cable Tie pack) Size: 1	2	
		Label Printer with label printer	1	
	Paint with /Gallons (2" Paint E	Primer for metal (color white) , Brush g iron kit, 60W	2	
Soldering iron kit welding t temperat		gun, solder iron kit ool, adjustable ure from 200 to soldering iron tips,	1	

solder wire(3 rolls), solder paste (1 pc), sponge for soldering and repair, silicon paste (1 pc) **RJ45 Crimping Tool Kit** Ethernet Crimp Tool Set. RJ-11(6P4C), RJ-12 (6P6C), 8P/RJ-45 (8P8C), RJ9(4P4C) Crimp, Cut and Strip Tool, 2 Crimping tool Kit All-in-one Multi-Tool for **Network Telephone Cat5** Cat5e Cat6 Cat6A Modular Connector Plug Cables with heavy duty wire cutters and strippers (Scissor) Universal Type, Ratchet **Crimper Tools for** Coax Crimper Tool for RF 2 **RF** Connector connector RG9, RG214 Item 7. IP Phone, brand new Complies with the following minimum requirements: QTY: Ten (10) units Description Interface: Gigabit Ethernet (10/100/1000) Stand, wall-mount Mount: Supports POE: Yes Able to hold, Transfer, conference **Features** Full Duplex speakerphone PoE Class (IEEE 802.3af) registers as class Others: 1 device and supports 802.3az no End-point license required. This will replace old and defective unit. Must be compatible with the existing IPPBX: Avaya Color: **Black** Warranty: at least 1 year Item 8. Analog Telephone, brand new Complies with the following minimum requirements: QTY: Five (5) units Description **Black** Color: Yes Caller ID: Corded Phone Type: Corded Electric Power source: Off/Low/High Ringer Volume Control:

	No third party End-point license	
	required. This will replace old and	
others:	defective unit	
warranty:	at least 1 year	
Item 9. Data Cabinet, brand ne	w	
Complies with the following mini	mum requirements:	
QTY: One (1) unit		
,		
	Description	
	Floor Mounted Data Cabinet,	
	600mm W x 800mm D x	
Dimension:	7ftH/42U	
Cage nuts	32 pcs or more	
Exhaus Fan	4 pcs	
	Power Strip Socket with 8*3-	
	pronged convenient outlets or	
PDU:	higher	
0-1	Powder Coated Textured Black	
Color: Others:	Finished or better	
Others.	Plexiglass Front Door with lock & Vented Back Door with Lock	
	2-vented side panels with lock &	
	louvers	
	with 4 sets adjustable Feet &	
	heavy duty castor wheels	
	rear vertical cable manager with	
	14 pcs rings	

Conforme:	
Full Name and Signature of Bidder/Authorized Rep.	:
Designation	:
Name of Company	: