



PEOPLE'S TELEVISION  
PARA SA BAYAN

People's Television Network, Inc.  
Broadcast Complex, Visayas Avenue, Diliman, Quezon City 1100  
Telephone No. 3453-1097/www.ptni.gov.ph

## REQUEST FOR QUOTATION

**SVP No. 2021 – 0035**

19 November 2021

The People's Television Network, Inc. (PTNI), through its Bids and Awards Committee (BAC), invites interested bidders for the Small Value Procurement of **One (1) Lot Supply, Delivery, Testing and Commissioning of Firewall, Wireless Access Points, Manageable Switches, Cables and Accessories for the People's Television Network, Inc. (PTNI)**. The details of the project are as follows:

A .Name of the Project	One (1) Lot Supply, Delivery, Testing and Commissioning of Firewall, Wireless Access Points, Manageable Switches, Cables and Accessories for the People's Television Network, Inc. (PTNI)
B Source of Fund:	Capex Savings 2016
C. Approved Budget for the Contract (ABC):	Nine Hundred Thousand Pesos Only (Php900,000.00)
D. Mode of Procurement:	Procurement will be conducted in accordance with Sec.53.9 (Small Value Procurement) of the Revised Implementing Rules and Regulations of Republic Act 9184, otherwise known as "The Government Procurement Reform Act"
E. Documentary Requirements:	Copies of the following eligibility requirements are also required to be submitted along with your quotation/proposal: <ol style="list-style-type: none"><li>1. Mayor's/Business Permit (2021)</li><li>2. PhilGEPS Registration Number</li><li>3. Income/Business Tax Return (2020)</li><li>4. Omnibus Sworn Statement (<b>duly notarized</b>)</li></ol> *only the BIR Certificate of Registration shall be submitted in lieu of DTI Registration and Mayor's Permit.

**Only Sealed bids/ or E-mail quotations** from the eligible bidders will be opened and a contract will only be awarded to the Lowest Calculated and Responsive Bidder who was determined as such during post qualification.

**Payment:** within 30 calendar days after completion and acceptance.

**Price Validity:** All price quotations shall be considered as fixed prices and not subject to price escalation during contract implementation.

**Deliver:** Within thirty (30) calendar days from receipt of Notice to Proceed.

F. Description:

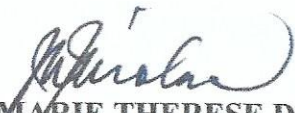
One (1) Lot Supply, Delivery, Testing and Commissioning of Firewall, Wireless Access Points, Manageable Switches, Cables and Accessories for the People's Television Network, Inc. (PTNI)

\*Please see attached for the T.S.R (Technical Specifications and Requirements)

Bids received in excess of the ABC shall be automatically rejected at the opening of quotations.

**Sealed or E-mail quotations may be submitted on or before 10:00am, 01 December 2021, at the Purchasing Office, Broadcast Complex, Visayas Avenue, Diliman, Quezon City or thru Email add: [purchasingsection@yahoo.com](mailto:purchasingsection@yahoo.com), respectively.**

The PTNI reserves the right to accept or reject any bid to annul the bidding process and to reject all bids at any time prior to contract award without thereby incurring any liability to the affected bidder or bidders.

  
**MARIE THERESE D. NICOLAS**  
Chairperson, BAC II-SVP

# TECHNICAL SPECIFICATIONS AND REQUIREMENTS

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## PROJECT TITLE:

Supply, Delivery, Testing and Commissioning of Firewall, wireless access points, manageable switches, cables and accessories for the People's Television Network, Inc. (PTNI)

### BACKGROUND:

Our existing networks weren't built to support the technology demands of today's workforce. Modern converged wired and wireless technology allows you to work everywhere at high speed. This can only be done by upgrading PTNI networks wireless, Network switches as well as firewall to accommodate user needs and also to prevent malicious software from accessing PTNI network via the internet.

### PURPOSE/OBJECTIVES:

The main goal is to upgrade the network for better performance in terms of speed. To overcome the existing issue of speed, there is a need to upgrade or replace the network equipment's or devices. As the Network grow, the outdated networks no longer support their needs, necessitating an upgrade.



### A. SUPPLIER/DEALER ELIGIBILITY REQUIREMENTS

#### 1.0 LEGAL

##### 1.1 Government Permits and Clearances

1.1.1 Government permits and clearances including National Tax Clearance Certificate, Business Permits Company SEC Registration (Not the Business Name Registration).



#### 2.0 TECHNICAL

##### 2.1 Track Record Certifications

2.1.1 The equipment provider/bidder must have a track record of Supply, Delivery, Testing, Training of firewall, Access-point, Manageable Switch, Cables and Accessories for a minimum of five (5) years.

2.1.2 The bidder must exhibit that it has accomplished the same or similar project within the past five (5) years. The bidder must show certificate of completion as proof that the same or similar project was provided to local or foreign broadcast and/or information and communications technology (ICT) institutions.

2.1.3 The equipment provider/bidder should have a certificate of authorized distributorship/reseller of its products as proof from the manufacturer and support/services base in the Philippines.

2.1.4 The equipment provider/bidder must show Purchase Orders, Contracts of similar items procured within the last five (5) years. The previous POs or contracts shall be at least Fifty (50%) of the approved budget for the items to be bid

### 3.0 EQUIPMENT SPECIFICATIONS AND TECHNICAL SERVICES

3.1 Provision of a complete detailed technical specification of accessories to be supplied is included herein.

3.2 The bidder shall exhibit that it has available service unit/s of the same brand/model or equivalent unit compatible with the system. This is to ensure completeness of the system in case some of the equipment supplied failed to operate or was subjected for repair within the warranty period.

### 4.0 GENERAL REQUIREMENTS

4.1 The Bidder may also offer equipment that has "EQUIVALENT OR EVEN BETTER" technical specifications than the equipment specified in this document.

4.2 The bidder shall submit as part of their bid the details of make, model and year of manufacture of all the offered items in the bidder's Bill of Materials.

4.3 Power for all equipment shall be 100V-240V auto volt 50/60Hz.

4.4 All standard accessories that come with the equipment such as: Ac cables, network cables, and all necessary supplies and materials must be supplied by the winning bidder.

maintenance and other technical concerns that may arise.

4.2 The equipment provider/bidder should have a local/foreign support service/repair maintenance facility in the Philippines

## 5.0 TECHNICAL MANUALS

5.1 Technical Manuals should be supplied for free and written in English language. These manuals should include installation instructions, set-up procedures and also provided software needed for future reference.

## 5.2 PAYMENT TERM

The payment to the winning bidder shall be processed after the issuance of the Certificate of Completion and Final Acceptance. There shall be no partial payments and/or progress billings. All requirements for such payment shall be coordinated by the winning bidder to the Property Section.

## 5.3 PROJECT COMPLETION PERIOD

The Winning Bidder shall complete the project within thirty (30) calendar days from the date of the Notice to Proceed.



General Note: All Supplied equipment must be:

- Auto volt 100~240v 50/60Hz with AC power cord.
- All standard accessories that come with the equipment must be supplied.

## B. SPECIAL CONDITIONS

### 1. Scope of Work

1.1 Supply, Delivery, Testing, Training and Commissioning

1.2 The bidder shall ensure that all delivered equipment are not end of life (EOL)

### 2. Warranties

2.1 The obligation under all warranties shall cover all repairs and/or replacements of defective equipment and spare parts. The shipment of repaired or replaced unit/parts to the factory shall be at the cost of the winning bidder. Repair means the removal of a defective item/equipment for purposes of fixing and mending, and the installation of a service unit to continue, and to avoid disruption of operation. Repairs on the same defective item/equipment should only be conducted for a maximum of two (2) instances, otherwise, it shall be subject to replacement. Replacement means the removal of a defective item/component which is beyond repair, and the installation of a new item/component with a new serial number, if any. The defective item/component/equipment may be taken by the winning bidder and/or its principal. Such repair and replacement shall be duly documented by the end-user in coordination with the Property Section.

2.2 The equipment bidder shall guarantee the availability of spare parts and service for a minimum of Three (3) years after the sale of equipment and accessories.

### 3. Project Completion and Final Acceptance

3.1 The winning bidder shall conduct a commissioning activity in the presence of the on-site end-user/s. If such commissioning activity is deemed complete, and that the on-site end-users have no further comments and/or objections, the winning bidder, in coordination with the Project Management Office (PMO), shall issue a Certificate of Site Completion highlighting the date of completion of the project. This certificate shall be signed by both the winning bidder's on-site representative and the on-site end-user/s of PTNI. The winning bidder shall submit this certificate, along with the commissioning module to the PMO for evaluation as a requisite for the issuance of the Certificate of Completion and Final Acceptance.

### 4. Technical Support

4.1 The bidder should provide customer service, available for telephone, internet, or onsite service 24 hours a day, 365 days a year to answer questions and provide recommendations for concerns regarding general equipment operation, causes and remedies for equipment failure, equipment

SCHEDULE OF REQUIREMENTS:

Item	Description	Quantity	Total	Delivered
1 /	Wi-Fi 6 access point	24	24	Thirty (30) Calendar Days from the date of the Notice to Proceed.
2	Firewall	1	1	
3 /	Layer-3 48 Ports-Poe Manage Switch	1	1	
4 /	Layer 3 24 port-Poe Manage Switch	6	6	
5 /	10G SFP + Direct Attached Copper Cable	2	2	
6	Accessories			
	Fiber Optic Toolkit /	1	1	
	Category 6 UTP cable 305m	6-pcs	6-pcs	
	Passthrough RJ-45 Crimping Tools /	1	1	
	Passthrough RJ-45 Connector /	400pcs	400pcs	
7	Warranty			
	1-year standard warranty on all supplied equipment	1-Lot	1-Lot	

TECHNICAL SPECIFICATIONS

	Description	Technical Specification
1	Wi-Fi 6 access point	1.3 GHz dual-core processor with upgraded to support full-duplex 1 Gbps TCP/IP performance Four-stream high-efficiency Wi-Fi 6 technology 5 GHz band 4x4 MU-MIMO and OFDMA with radio rate of 2.4 Gbps 2.4 GHz band 4x4 MIMO with radio rate of 600 Mbps Powered with 802.3at PoE
2	Firewall	<p>Interfaces</p> <ul style="list-style-type: none"> <li>• (8) 10/100/1000 RJ45 LAN Ports</li> <li>• (1) 10/100/1000 RJ45 WAN Port</li> <li>• (1) 1/10G SFP+ LAN Port</li> <li>• (1) 1/10G SFP+ WAN Port</li> </ul> <p>Management Interfaces</p> <ul style="list-style-type: none"> <li>• Ethernet In-Band</li> <li>• (1) Bluetooth BLE</li> </ul> <p>Technical Information</p> <ul style="list-style-type: none"> <li>• IDS/IPS Throughput: 3.5 Gbps *</li> <li>• Processor: Quad ARM Cortex-A57 Core at 1.7 GHz</li> <li>• System Memory: 4 GB DDR4</li> <li>• On-Board Flash Storage: 16 GB eMMC</li> </ul> <p>Power</p> <ul style="list-style-type: none"> <li>• Max. Power Consumption: 33W</li> <li>• Voltage Range: 100 to 240VAC</li> <li>• Power Method: (1) Universal AC Input, 100-240VAC, 50/60 Hz</li> <li>• Redundant Power: (1) RPS DC Input</li> <li>• Power Supply: Internal 50W/12V</li> </ul> <p>Hard Disk Drive</p> <ul style="list-style-type: none"> <li>• 8TB</li> <li>• 3.5 inches</li> </ul>
		<p>Interfaces Networking:</p> <ul style="list-style-type: none"> <li>• (24) 10/100/1000 RJ45 Ports</li> <li>• (2) 1/10G SFP+ Ethernet Ports</li> </ul> <p>Switching Capacity:</p> <ul style="list-style-type: none"> <li>• 88 Gbps</li> </ul>




3	Layer-3 48 Ports-Poe Manage Switch	Power Method Universal Input USP RPS DC Input:	<ul style="list-style-type: none"> <li>• 100-240VAC, 50/60 Hz</li> <li>• 52VDC, 7.69A; 11.5VDC, 2.61A</li> </ul>													
		Power Supply:	<ul style="list-style-type: none"> <li>• AC/DC, Internal, 450W</li> </ul>													
		Voltage Range:	<ul style="list-style-type: none"> <li>• 100 to 240VAC</li> </ul>													
		Max Power Consumption (Excluding PoE Output):	<ul style="list-style-type: none"> <li>• 50W</li> </ul>													
		LEDs System RJ45 Data Ports SFP+ Data Ports	<ul style="list-style-type: none"> <li>• Status</li> <li>• PoE; Speed/Link/Activity</li> <li>• Link/Activity</li> </ul>													
		Total Available PoE:	<ul style="list-style-type: none"> <li>• 400W</li> </ul>													
		Max. PoE Wattage per Port by PSE:	<ul style="list-style-type: none"> <li>• 802.3at            32W</li> <li>• 802.3bt            64W</li> </ul>													
4	Layer 3 24 port-Poe Manage Switch	<ul style="list-style-type: none"> <li>• 1.3" LCM color touchscreen with AR switch management</li> <li>• (16) GbE, 802.3at PoE+ RJ45 ports</li> <li>• (8) GbE, 802.3bt PoE++ RJ45 ports</li> <li>• 10G SFP+ ports</li> <li>• USP RPS DC input</li> <li>• 400W total PoE supply</li> <li>• Near-silent cooling</li> <li>• Layer 3 switching features</li> </ul>														
5	10G SFP + Direct Attached Copper Cable	<table> <tr> <td>Connector</td> <td>LC-LC</td> </tr> <tr> <td>Fiber Mode</td> <td>50 / 125 μm</td> </tr> <tr> <td>Fiber Type</td> <td>Duplex</td> </tr> <tr> <td>Cable Jacket</td> <td>PVC</td> </tr> <tr> <td>Cable Standard</td> <td>OM3</td> </tr> <tr> <td>Polish</td> <td>UPC to UPC</td> </tr> <tr> <td>Wavelength</td> <td>850 /1310 nm</td> </tr> </table>	Connector	LC-LC	Fiber Mode	50 / 125 μm	Fiber Type	Duplex	Cable Jacket	PVC	Cable Standard	OM3	Polish	UPC to UPC	Wavelength	850 /1310 nm
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Wavelength	850 /1310 nm															
6	Accessories															
	Fiber Optic Toolkit	<p>support: SC/FC/ST</p> <p>connect this tool kit includes: 1pcs optic power meter</p> <p>1pc 10km visual locator</p> <p>2 pcs fiber cut pliers</p> <p>1pcs fiber cut device (with some screwdriver tools)</p> <p>1pc 160ml bottle</p> <p>1pcs Black Carrying Bag</p> <p>1pcs 1pc Fixed length rail visual locator pen: 10KM</p>														

	<p>1Pcs Size of fiber cutter:61*64*55mm          Suitable for bare fiber diameter: 125um          Applicable fiber core number: single core          Applicable fiber coating diameter: 0.25 &amp; 0.9mm          Stripping length before fiber cutting: fiber cutting length +18mm or more          Optical fiber cutter length: 9-16mm (0.25mm) 10-16mm (0.9mm)          Cutting angle representative value: <math>\leq 0.5^\circ</math>          Blade life: 48000 core wires</p>
Category 6 UTP cable	<ul style="list-style-type: none"> <li>• Category 6 Unshielded Twisted Pair (UTP) cable</li> <li>• (CMP)-rated, fire-resistant jacket</li> <li>• 1,000 ft (305 m)</li> <li>• 23 AWG solid copper conductor pair</li> <li>• For 1000BASE-T/10G Ethernet applications</li> </ul>
Passthrough RJ-45 Connector	<ul style="list-style-type: none"> <li>• CAT6 Connector</li> <li>• Pass Through</li> </ul>
Passthrough Crimping Tools	<ul style="list-style-type: none"> <li>• Crimping tool for Passthrough Connector</li> <li>• Heavy duty</li> <li>• tool let you cut, strip, crimp ethernet cables</li> <li>• Compatible with all rj45 connectors Cat5e and Cat6 including shielded</li> </ul>

Requested by:

  
**CYRIL COLLAO**  
 OIC, IT Section/End-user


Noted By:

  
**ALEXANDER M. PONCIO**  
 OIC Engineering Division

Recommending Approval

  
**GERARDO A. LEDONIO III**  
 Head Executive Assistant

Approved by:

  
**KATHERINE CHLOE S. DE CASTRO**  
 Network General Manager