



**Republic of the Philippines  
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES**

DATE: March 04, 2021

**REQUEST FOR QUOTATION**

The **CIVIL AVIATION AUTHORITY OF THE PHILIPPINES-AREA X**, through its Canvass and Contract Committee (CCC), now invites interested contractors/ suppliers to submit their Price Quotations for the Project **IMPROVEMENT OF ICT EQUIPMENT** with their quantities, and for their respective use and end user:

Quantity/ Unit	Items	Purpose	Office/ Unit/ Airport User	Approved Budget of Contract
1 Unit	1. 802.11 AC Dual-Radio MU-MIMO Wireless Access Point Specifications: - Environment: Indoor/Outdoor - Simultaneous Dual-Band - 2.4 GHz Radio Rate: 450 Mbps - 2.4 GHz MIMO: 3x3 - 5 GHz Radio Rate: 1300 Mbps - 5 GHz MIMO: 3x3 - With Secondary Ethernet Port - PoE Mode: 802.3af PoE, 802.3at PoE+ - Ceiling Mount/Wall Mount - Wireless Uplink - Detailed Specifications: - Networking Interface: (2) 10/100/1000 Ethernet Ports - Buttons: Reset - Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at Supported (Supported Voltage Range: 44 to 57VDC) - Power Supply: (PoE) - Power Save: Supported - Maximum Power Consumption: 9W - Maximum TX Power: 2.4 GHz - 22 dBm; 5 GHz - 22 dBm - Antennas: (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi - Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac - Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) - BSSID: Up to 8 per Radio - Mounting: Wall/Ceiling (Kits Included) - Operating Temperature: -10 to 70° C (14 to 158° F) - Operating Humidity: 5 to 95% Noncondensing - Certifications CE, FCC, IC - Advanced Traffic Management:	For Improvement of ICT Equipment	Laguindingan Airport	PhP 70,000.00



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<p>4 Unit</p>	<ul style="list-style-type: none"> <li>- VLAN: 802.1Q</li> <li>- Advanced QoS: Per-User Rate Limiting</li> <li>- Guest Traffic: Isolation Supported</li> <li>- WMM: Voice, Video, Best Effort, and Background</li> <li>- Concurrent Clients 250+</li> <li>- Supported Data Rates (Mbps):</li> <li>- Standard: Data Rates</li> <li>- 802.11ac: 6.5 Mbps to 1300 Mbps (MCS0 - MCS9 NSS1/2/3, VHT 20/40/80)</li> <li>- 802.11n: 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)</li> <li>- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>- 802.11b: 1, 2, 5.5, 11 Mbps</li> </ul> <p>2. AX3000 Dual Band Gigabit WiFi 6 (802.11ax) MU-MIMO WiFi Router</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- Network Standard:</li> <li>- Dual Band</li> <li>- Wi-Fi 6</li> <li>- IEEE 802.11ax/ac/n/a 5 GHz</li> <li>- IEEE 802.11ax/n/b/g 2.4 GHz</li> <li>- WiFi Speeds:</li> <li>- AX3000 ultimate AX performance : 2402 Mbps+ 574 Mbps</li> <li>- 802.11a : up to 54 Mbps</li> <li>- 802.11b : up to 11 Mbps</li> <li>- 802.11g : up to 54 Mbps</li> <li>- 802.11n : up to 433 Mbps</li> <li>- 802.11ac : up to 867 Mbps</li> <li>- 5 GHz: 2402 Mbps (802.11ax, HE160)</li> <li>- 2.4 GHz: 574 Mbps (802.11ax)</li> <li>- Security:</li> <li>- WiFi Encryption:</li> <li>- WEP</li> <li>- WPA</li> <li>- WPA2</li> <li>- WPA/WPA2-Enterprise (802.1x)</li> <li>- Network Security:</li> <li>- SPI Firewall</li> <li>- Access Control</li> <li>- IP &amp; MAC Binding</li> <li>- Application Layer Gateway</li> <li>- Built-In Antivirus</li> <li>- Malicious Site Checker</li> <li>- Port Intrusion Prevention</li> <li>- Infected Device Isolation</li> <li>- Notification and Log</li> <li>- Software Features:</li> <li>- IGMP Proxy</li> <li>- IGMP Snooping</li> <li>- Bridge</li> <li>- VLAN</li> </ul>			
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<p>1 Unit</p>	<ul style="list-style-type: none"> <li>- DHCP</li> <li>- Protocols:</li> <li>- IPv4</li> <li>- IPv6</li> <li>- NAT Forwarding:</li> <li>- Virtual Servers</li> <li>- Port Forwarding</li> <li>- Port Triggering</li> <li>- DMZ</li> <li>- UPnP</li> <li>- Guest Network:</li> <li>- 1× 5 GHz Guest Network</li> <li>- 1× 2.4 GHz Guest Network</li> <li>- Other Features:</li> <li>- MU-MIMO: Yes</li> <li>- OFDMA (Orthogonal Frequency Division Multiple Access): Simultaneously communicates with multiple Wi-Fi 6 clients</li> <li>- Beamforming: standard-based and universal</li> <li>- 1024-QAM high data rate</li> <li>- 20/40/80/160 MHz bandwidth</li> <li>- Dual-Band: Allocate devices to different bands for optimal performance</li> <li>- Airtime Fairness: Improves network efficiency by limiting excessive occupation</li> <li>- DFS: Access an extra band to reduce congestion</li> <li>- 4 Streams: Connect your devices to more bandwidth</li> <li>- Custom Profiles</li> <li>- Content Filtering</li> <li>- App Block</li> <li>- URL Filtering</li> <li>- Time Limit</li> <li>- Time Schedule (Bedtime)</li> <li>- Log Insight</li> <li>- Quality of Service (QoS)</li> <li>- Cloud Service</li> <li>- Ports:</li> <li>- Ethernet:</li> <li>- 1× Gigabit WAN Port</li> <li>- 4× Gigabit LAN Ports</li> <li>- Static Link Aggregation (LAG) available with 2× LAN ports</li> <li>- USB Support:</li> <li>- 1× USB 3.0 Port</li> <li>- Buttons:</li> <li>- Wi-Fi/WPS Button</li> <li>- Power On/Off Button</li> <li>- LED On/Off Button</li> <li>- Reset Button</li> <li>- Power Supply:</li> <li>- AC Input : 110V~240V(50~60Hz)</li> </ul> <p>3. Graphics Card Specifications:</p> <ul style="list-style-type: none"> <li>- 4GB GDDR5</li> </ul>			
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2 Unit	<ul style="list-style-type: none"> <li>- Base Clock: 1485 Mhz</li> <li>- Memory Speed: 8 Gbps</li> <li>- 128-bit</li> <li>- CUDA Cores 896</li> <li>- API:</li> <li>- DirectX 12</li> <li>- Vulkan</li> <li>- OpenGL 4.6</li> <li>- Ports:</li> <li>- HDMI, Display Port</li> </ul>			
2 Unit	<p>4. CCTV Surveillance Grade Hard Disk Drives</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- 4 TB (Terra Bytes)</li> <li>- Internal Hard Disk Drive 3.5 inch</li> <li>- SATA III 6Gb/s</li> <li>- 64MB Cache</li> <li>- SkyHawk/Purple Surveillance Grade Hard Disk Drives</li> </ul>			
1 Unit	<p>5. Internal Solid State Drives</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- 1 TB (Terra Bytes)</li> <li>- 2.5 inch Form Factor</li> <li>- SATA III 6Gb/s Interface</li> <li>- Read Performance: up to 550 - 560 MB/s</li> <li>- Write Performance: up to 500 - 530 MB/s</li> </ul>			
	<p>6. DDR 4 Random Access Memory (RAM)</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- 8GB (1x8 GB) DDR4 2400mhz RAM</li> <li>- CL 17</li> </ul>			

**Deadline of Submission: March 10, 2021 at 10:00 A.M**

Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Further, the prospective suppliers should possess the following:

1. Should have the legal capacity to enter into business or to perfect contracts (with updated Business Permit from DTI and recent Tax Certification from BIR as per Section 8.5 of Section 8.0 of Rule III and as per sub-paragraph a.ii of Section 24.1 of Section 24 of Rule VIII of the Revised IRR of RA 9184 and GPPB Resolution No. 11-2013 dated April 26, 2013);
2. PhilGeps Registration Certificate (At least Red Membership)
3. Should not be among those blacklisted suppliers. (as per sub- sub-paragraph a.iv (1) of Section 25.2 of Section 25 of Rule VIII of the Revised IRR of RA 9184 and Section 2 of GPPB's UNIFORM GUIDELINES FOR BLACKLISTING OF MANUFACTURERS, SUPPLIERS, DISTRIBUTORS, CONTRACTORS AND CONSULTANTS)

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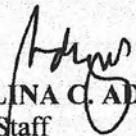
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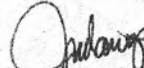
Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

The **CIVIL AVIATION AUTHORITY OF THE PHILIPPINES (CAAP)- AREA X** 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.

For further information, please refer to:

  
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Signed:

  
**CRISTINE B. UDANG**  
Acting HRM Officer  
CCC-Chairperson