

Section VII. Technical Specifications

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

LOT 1 – HIGH-END LAPTOPS, AND MID-END LAPTOPS		
Technical Specification	Quantity	Statement of Compliance
<p>High-End Laptop 14-inch (36GB Memory, 1TB SSD), latest and brand new Complies with the following minimum requirements:</p> <p>14-inch-high resolution display 12-core CPU, 18-core GPU, 16-core Neural Engine 36GB memory 1TB SSD storage 96W USB-C Power Adapter Three Thunderbolt 4 ports, HDMI port, SDXC card slot, headphone jack, Magnetic charger Backlit Keyboard with touch authenticator – US English Latest professional operating system 64 bit <i>Warranty: At least one (1) year warranty, including technical support and hardware replacement services.</i></p>	3	
<p>Mid-End Laptop 14-inch, latest and brand new Complies with the following minimum requirements:</p> <p>PROCESSOR: Intel® Core™ Ultra 7 155U DISPLAY: 14” diagonal, WUXGA (1920 x 1200), multitouch-enabled, IPS MEMORY: 16 GB LPDDR5-6400 MHz RAM STORAGE: 512 GB PCIe® Gen4 NVMe™ M.2 SSD GPU: Intel® Graphics Operating System: Latest Licensed professional operating system 64 bit Accessories: Complete with interface cable, power cord, and other standard accessories <i>Warranty: At least one (1) year warranty, including technical support and hardware</i></p>	11	

Lot 1

Conforme:

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

LOT 2 – NETWORK SWITCH		
Technical Specification	Quantity	Statement of Compliance
<p>48 port network switch, latest and brand new 4 Complies with the following minimum requirements: 48 x 10/100/1000BASE-T ports, supporting PoE/PoE+, 4 x 1GE/10GE SFP+ ports 1 x fixed fan module 2 replaceable hot-swappable power supply slots 1 x MGMT port, 1 x console port, and 1 x USB port Packet forwarding rate:132 Mpps Switching capacity:176 Gbps MAC address table size: 32,000 ARP table size:4,000 Number of Ipv4 unicast routes:8,000 Number of Ipv4 multicast routes:2,500 Number of Ipv6 unicast routes:4,000 Number of Ipv6 multicast routes:1,200 Number of ACEs:Ingress: 3,500, Egress:1,500 Number of VSU members:4 VLAN translation:4,094 CPU: Dual cores, with the clock speed of 1.2 GHz Flash memory:2 GB BootROM:16 MB SDRAM:1 GB Data packet buffer:3 MB PoE: IEEE 802.3af and 802.3at, Uninterruptible power supply upon hot start, Port priority Power Module: 2 Technical Training: - Customized (1) day technical training for two (2) attendees. - Includes training materials and hand outs - Laboratory testing and hands-on training. Warranty & General Requirements: - 3 Years Warranty - Bidder should provide after-sales support certificate - Bidder should have certification from the Manufacturer for the product - Bidder should provide Warranty Certificate for the product - Bidder should be an authorized partner for the product</p>	4	

Lot 2

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Full Name and Signature of Bidder/Authorized Rep : _____
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LOT 3 - FIREWALL APPLIANCE FOR PCO		
Technical Specification	Quantity	Statement of Compliance
<p>Firewall Appliance, latest and brand new</p> <p>Complies with the following minimum requirements:</p> <p>Firewall Throughput: 30,000 Mbps, Firewall IMIX: 15,900 Mbps Firewall Latency (64nbyte UDP): 6 μs, IPS Throughput: 5,800 Mbps Threat Protection Throughput: 1,250 Mbps, Concurrent Connections: 6,500,000, New Connections/Sec: 134,700, IPsec VPN Throughput: 3,000 Mbps. SSL/TLS Inspection: 1,100 Mbps, SSL/TLS Concurrent Connections: 18,432, Storage: Integrated minimum 120 GB SATA-III SSD Ethernet Interfaces: 8 x GbE copper, 2 x SFP fiber, Bypass Port Pairs: 1, Management Ports: 1 x RJ45 MGMT, 1 x COM RJ45, 1 x Micro-USB (cable included), Other I/O Ports: 2 x USB 3.0 (front), 1 x USB 2.0 (rear) Protection Bundle: Base License: Networking, Wireless, Unlimited Remote, Access VPN, Site-to-Site VPN, Reporting. Network Protection: TLS and DPI Engine, IPS, ATP, Security Heartbeat or better, Remote Ethernet Device VPN, Reporting. Zero Day Protection</p> <p>Web Protection: TLS and DPI engine, Web Security and Control, Application Control, Reporting. Enhanced Support: 24/7 support, feature updates, advanced replacement hardware warranty for term</p> <p>Mounting: At least 1U rack mount compatible Must support the same VPN protocols and have compatible configuration in the existing firewall; Can establish a secure and functional site-to-site VPN connection between the two locations via IPSec and SSL site to site connection in the PCO Head Office and Remote Site/Branches.</p>	1 Lot	
<p>Supply and delivery is in the PCO Head Office. Onsite configuration and testing of the Firewall is in the PCO Head Office. Supplier will provide a remote assistance during the deployment of Firewall Appliance in GCA, BUKIDNON. Warranty and Support: Warranty: At least one (1) year warranty, including technical support and hardware replacement services.</p>		

Lot 3

Conforme:

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Designation : _____
Name of Company : _____

LOT 4 – FIREWALL APPLIANCE FOR PANP		
Technical Specification	Quantity	Statement of Compliance
Software: Firewall License Renewal Base License: Networking, Wireless, Xstream Architecture, Unlimited Remote Access VPN, Site-to-Site VPN, Reporting		
Network Protection: Xstream TLS and DPI engine, IPS, ATP, Security Heartbeat, SD-RED VPN, reporting		
Web Protection: Xstream TLS and DPI engine, Web Security and Control, Application Control, reporting		
Zero Day Protection – Machine Learning and Sandboxing File, Analysis, Reporting		
Support: Maintenance 8x5 1 st Onsite Tech Support 1 st Level Support Email and Phone >One Year of Technical Support via phone, email, chat, web, and remote access. 24/7 Quarterly health check maintenance.		
Existing firewall appliance: Sophos XGS 3300 with Serial No. X330103PGT9BF3F		
Supply and delivery is in the Philippine Administrative Network Project Head Office with Onsite configuration and testing of the Firewall.		

Lot 4

Conforme:

Full Name and Signature of : _____
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LOT 5 - UNINTERRUPTIBLE POWER SUPPLY		
Technical Specification	Quantity	Statement of Compliance
<p>Firewall Appliance, latest and brand new</p> <p>Complies with the following minimum requirements:</p> <p>Main Input Voltage: 230 V Other Input Voltage: 220 V, 240 V Main Output Voltage 230 V Other Output Voltage 220 V, 240 V Rated power in W: 4500 W Rated power in VA: 5000 VA Battery type: Lead-acid battery Number of battery filled slots: 2 Battery recharge time: 1.5 h Battery voltage: 192 V Battery charger power: 560 W rated Battery life: 3 to 5 years</p> <p>Input: Network frequency: 40...70 Hz auto-sensing Number of input connectors: 1 hard wire 3-wire (1P + N + E) Input voltage limits: 100...275 V adjustable (half load)</p> <p>Output: Maximum configurable power in VA: 5000 VA Maximum configurable power in W: 4500 W Output frequency: 50/60 Hz +/- 3 Hz sync to mains Wave type: Sine wave Harmonic distortion: Less than 2 % Crest factor: 3:1 Bypass type: Internal bypass (automatic and manual) Product certifications: CE, EAC, IRAM, RCM, VDE</p> <p>2 pieces - UPS 19" Rail Kit for UPS 5kVA</p>	2	
<p>Warranty and General Requirements:</p> <p>-3 Years Warranty -Bidder should have certification from the Manufacturer for the product as part of the post qualification -Bidder should provide Warranty Certificate for the product as part of the post qualification -Bidder should be an authorized partner for the product</p>		

Lot 5

Conforme:

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