

*Bids and Awards Committee for Goods (BAC-G)*

**PROCUREMENT OF EXTENSION OFFICE NETWORK SYSTEM**

**BID BULLETIN NO. 1**

This Bid Bulletin clarifies the queries raised during the Pre-bid Conference on **29 November 2024 at 1:00 PM** and other matters related to the above Project. No additional questions or queries were received by the Secretariat until the set deadline on **01 December 2024**.

**A. QUERIES/QUESTIONS FROM THE PROSPECTIVE BIDDERS**

| QUERY  | CLARIFICATION   |
|--|---|
| 1. Please reconfirm the number of years for the system warranty. The bidding documents provide “twenty five (20) years.” Is the system warranty 20 or 25 years?          | <i>There is a typographical error in the Terms of Reference (TOR). The system warranty is at least <b>twenty five (25) years</b>. Please see Annex A for the revised “Section VII. Technical Specifications.”</i> |
| 2. Please confirm that only the system warranty will be provided by the bidders and not the manufacturing warranty, since they will declare the 25-year system warranty. | <i>The end-user confirms that only the system warranty will be provided by the bidders and not the manufacturing warranty.</i>  |

**B. REVISIONS**

| ORIGINAL   | REVISION  |
|--|---|
| 1. Invitation to Bid (page 2)<br><br>“The BCDA now invites bids for the Bidding of Procurement of BTC Extension Office Network System. Delivery of Goods is required within <b>ninety (90) calendar days</b> from receipt of Notice to Proceed.” | <i>This is hereby revised to:</i><br><br><i>“The BCDA now invites bids for the Bidding of Procurement of BTC Extension Office Network System. Delivery of Goods is required within <b>thirty (30) calendar days</b> from receipt of Notice to Proceed.</i><br><br><i>This also revises “Section VI. Schedule of Requirements” (please see Annex B).</i> |

|   |  |
|---|--|
| 2. [Not included in the original]<br><br>Additional requirement for the Technical Specification under Item No. 2,D Additional Items | <i>Additional one (1) unit of 1KVA Uninterruptible Power Supply (UPS). Please see Annex A for the revised "Section VII. Technical Specifications."</i> |
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### C. GENERAL REMINDERS

Please take note of the following schedule:

| ACTIVITIES                                 | DATE/SCHEDULE              |
|--|----------------------------|
| Deadline of Submission and Receipt of Bids | 9:00 AM, 11 December 2024  |
| Opening of Bids                            | 10:00 AM, 11 December 2024 |

The above changes further amend the bidding documents accordingly. **The Submission and Opening of Bids will be conducted face-to-face** at the **BCDA Corporate Center, 2nd Floor, Bonifacio Technology Center, 31st St. corner 2nd Ave, Bonifacio Global City, Taguig City**. Alternatively, bidders may opt to attend online via Zoom. The meeting link will be provided upon request by the prospective bidders to the BAC-G Secretariat through the email address [bacgsecretariat@bcda.gov.ph](mailto:bacgsecretariat@bcda.gov.ph).

For those attending in person, please consider the following guidelines:

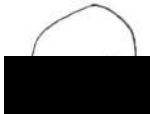
- Attendees to the Opening of Bids are expected to follow the BCDA Health protocols; and
- Observers/representatives who show signs of COVID-19-related symptoms are advised to attend online and will not be allowed to enter the BCDA premises.

This Bid Bulletin is being issued pursuant to Sections 22.5.2 and 22.5.3 of the 2016 Revised Implementing Rules and Regulations of Republic Act No. 9184.

Issued on **04 December 2024 (Wednesday)** in **Taguig City**.

### BIDS AND AWARDS COMMITTEE FOR GOODS

By:



**RICHARD BRIAN M. CEPE**  
*Chairperson*

# **ANNEX A**

# *Section VI. Schedule of Requirements*

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

VI

| Description  | Quantity | Delivered, Weeks/Months  |
|--|----------|--|
| Procurement of BTC Extension Office Network System | 1 Lot    | Within 30 <b>calendar days</b> from receipt of Notice to Proceed |

**Bidder's Authorized Representative:**

**Name:** \_\_\_\_\_

**Legal capacity:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Duly authorized to sign the Bid for and behalf of:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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# **ANNEX B**

## *Section VII. Technical Specifications*

### *Procurement of BTC Extension Office Network System*

#### TERMS OF REFERENCE / TECHNICAL SPECIFICATIONS

| 1 LOT | Units        | Descriptions  | Compliance |               |
|-------|--------------|---|------------|---------------|
|       |              |   | Compliant  | Non-compliant |
|       |              | <b><u>Data Center and Structured Cabling @Extension Office BTC, Taguig</u></b>  |            |               |
|       |              | <i>Scope:</i>   |            |               |
|       |              | The project includes all design, configuration, labor, materials, equipment, training, and other services necessary for the Procurement of ICT Equipment and Structured Cabling for BTC Office Extension which will be integrated into BCDA's current Network settings. |            |               |
|       |              | <i>Components:</i>  |            |               |
|       | <b>1 lot</b> | <b>1. STRUCTURED CABLING</b>  |            |               |
|       |              | Installation for LAN cabling for <b>82 Nodes</b> -- The cabling system must be an end-to-end solution including LAN cabling requirements for Access Points, Printers, IP Phones, and Endpoints.   |            |               |
|       |              | <b>A. Cables</b>  |            |               |
|       |              | <b>1. Fiber Optic</b>   |            |               |
|       |              | • FTTH FIBER DROP CABLE 2 CORE, SINGLEMODE (3KM/REEL), (100 meters)   |            |               |
|       |              | • Single Core FTTH Protection Box with SC Coupler, OS2 (4pcs)   |            |               |
|       |              | • F/O PATCH CORD LC-SC DUPLEX, SM, 2M (2pcs)  |            |               |
|       |              | • Toolless SC Connector, OS2 (4pcs)   |            |               |
|       |              | <b>2. UTP Cable (9 rolls)</b>   |            |               |
|       |              | • CAT6 4-pair UTP Solid Cable, AWG24 / 305m reel  |            |               |
|       |              | • Standard Compliance: Standards of UL444 , ANSI/TIA-568-C.2 and ISO/IEC 11801  |            |               |
|       |              | • Must be In accordance with IEC, ITU, and EIA standards  |            |               |
|       |              | <b>B. Patch Panel</b>   |            |               |
|       |              | • Type: RJ45 Empty Patch panel 48 port CAT6 (2pcs)  |            |               |
|       |              | • Type: RJ45 Unshielded Patch panel 24 port CAT6 Loaded (1 pc)  |            |               |

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|--|--|--|--|--|
|  |  | <i>Compliance:</i>   |  |  |
|  |  | • Cable Certification and Regulatory Compliance: RoHS 2011/65/EU, ISO 9001:2008  |  |  |
|  |  | • EC 60603-7 compliant plug T568A   T568B  |  |  |
|  |  | <b>C. Patch Cable</b>  |  |  |
|  |  | • Cat 6 4-Pairs UTP Cable: 2 meters Patch cord Blue (82 pcs)<br>3 meters Patch cord Blue (70 pcs)<br>2 meters Patch cord Gray (2 pcs)  |  |  |
|  |  | • Factory Prefabricated  |  |  |
|  |  | • Standard Compliance: Standards of UL444 , ANSI/TIA-568-C.2 and ISO/IEC 11801   |  |  |
|  |  | <b>D. Horizontal Manager (1 pc)</b>  |  |  |
|  |  | • Mountable to a standard 1 RU, 19" EIA racks and cabinets   |  |  |
|  |  | • Compliance: TIA/EIA-942.   |  |  |
|  |  | <b>E. Modular Jack Black, Cat6 (82 pcs)</b>  |  |  |
|  |  | <b>F. Faceplate Simplex (58 pcs)/Duplex (12 pcs)</b>   |  |  |
|  |  | <b>G. Label Tape 9mm (3pcs)</b>  |  |  |
|  |  | <b>H. Compliance</b>   |  |  |
|  |  | • The Connectivity must be compliant to PoE meeting IEEE 802.3af and IEEE 802.3at for PoE applications. The connectivity must be 100% performance tested for confidence that each patch cord delivers specified performance wire map, NEXT, and return loss.   |  |  |
|  |  | <b>I. Labor and Engineering:</b>   |  |  |
|  |  | • Project Management, Installation Cost, Testing & Commissioning, Safety   |  |  |
|  |  | • Roughing ins & Conducting (cable trays, hangers, and IMC pipes required)   |  |  |
|  |  | • Ground and Bonding   |  |  |
|  |  | • Labeling/Tagging (end to end) and As-Built Plans   |  |  |
|  |  | <b>J. Warranty</b>   |  |  |
|  |  | • Bidder should provide a one (1) year warranty against defects in local materials or workmanship. The warranty covers repairing or replacing any defective parts, including onsite labor. <b>At least twenty-five (25) years of system performance warranty on the manufacturer's cable</b> , from the time of acceptance. Warranty starts from the date of acceptance. |  |  |
|  |  | <b>K. Cable Runways and Accessories</b>  |  |  |

|  |               |  |  |  |
|--|---------------|--|--|--|
|  |               | Supply of Rough-ins and their accessories including enclosures and fixing hangers; use for structured cabling distribution.  |  |  |
|  |               | Supply of Cable harnessing and tagging for proper orientation and identification.  |  |  |
|  |               | Restoration of all affected areas during implementation works.   |  |  |
|  |               |  |  |  |
|  |               | <b>2. NETWORK INFRASTRUCTURE EQUIPMENT</b>   |  |  |
|  | <b>1 unit</b> | <b>A. 48-port Network Switch</b>   |  |  |
|  |               | <i>Specifications:</i>   |  |  |
|  |               | 1 RU Form Factor 48-port GE, Full PoE, 4x1G SFP  |  |  |
|  |               | Capacity in Millions of Packets Per Second (mpps) (64-byte packets): 77.38 mpps  |  |  |
|  |               | Switching capacity in Gigabits per second (Gbps): 104.0 Gbps   |  |  |
|  |               | Must have Dual redundant, power supplies and dual fans providing redundancy  |  |  |
|  |               | Application-Specific Integrated Circuit (ASIC) with programmable pipeline and micro-engine capabilities, along with template-based, configurable allocation of Layer 2 and Layer 3 forwarding, Access Control Lists (ACLs), and Quality of Service (QoS) entries |  |  |
|  |               | <b>Layer 2 switching:</b>  |  |  |
|  |               | <b>VLAN</b>  |  |  |
|  |               | Support for up to 4093 VLANs simultaneously  |  |  |
|  |               | Port-based and 802.1Q tag-based VLANs, MAC-based VLANs, protocol-based VLANs, IP subnet-based VLANs  |  |  |
|  |               | Management VLAN  |  |  |
|  |               | Private VLAN with promiscuous, isolated, and community port  |  |  |
|  |               | Private VLAN Edge (PVE), also known as protected ports, with multiple uplinks Guest VLAN, unauthenticated VLAN   |  |  |
|  |               | Dynamic VLAN assignment via RADIUS server along with 802.1X client authentication Customer premises equipment (CPE) VLAN   |  |  |
|  |               | Auto surveillance VLAN (ASV)   |  |  |
|  |               | <b>Spanning Tree Protocol</b>  |  |  |
|  |               | Standard 802.1d Spanning Tree support  |  |  |
|  |               | Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default Multiple Spanning Tree instances using 802.1s (MSTP); 8 instances are supported   |  |  |

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|----------------|--|--|--|
|                | Per-VLAN Spanning Tree Plus (PVST+) and Rapid PVST+ (RPVST+); 126 instances are supported  |  |  |
|                | <b>Port grouping/link aggregation</b>  |  |  |
|                | Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP)  |  |  |
|                | <ul style="list-style-type: none"> <li>• Up to 8 groups</li> </ul>   |  |  |
|                | <ul style="list-style-type: none"> <li>• Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation</li> </ul>  |  |  |
|                | <b>Voice VLAN</b>  |  |  |
|                | Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS. Voice Services Discovery Protocol (VSDP) delivers networkwide zero-touch deployment of voice endpoints and call control devices |  |  |
|                | Warranty:  |  |  |
|                | 3 Years Parts/Labor/Support  |  |  |
|                | <b>Support:</b>  |  |  |
|                | 8X5 Next Business Day  |  |  |
|                | <b>Inclusion:</b>  |  |  |
| <b>1 unit</b>  | <b>350W AC 80+ platinum Config 1 Secondary Power Supply</b>  |  |  |
|                |  |  |  |
| <b>2 units</b> | <b>B. 24-ports Network Switch</b>  |  |  |
|                | <b>Specifications:</b>   |  |  |
|                | 1 RU Form Factor 24-port GE, Full PoE, 4x1G SFP, 2 SFP slot  |  |  |
|                | Capacity in Millions of Packets Per Second (mpps) (64-byte packets): 41.66 mpps  |  |  |
|                | Switching capacity in Gigabits per second (Gbps): 56.0 Gbps  |  |  |
|                | Support for up to 4093 VLANs simultaneously  |  |  |
|                | Port-based and 802.1Q tag-based VLANs, MAC-based VLANs, protocol-based VLANs, IP subnet-based VLANs  |  |  |
|                | Management VLAN  |  |  |
|                | Private VLAN with promiscuous, isolated, and community port  |  |  |
|                | Private VLAN Edge (PVE), also known as protected ports, with multiple uplinks Guest VLAN, unauthenticated VLAN   |  |  |
|                | Dynamic VLAN assignment via RADIUS server along with 802.1X client authentication Customer premises equipment (CPE) VLAN   |  |  |
|                | Auto surveillance VLAN (ASV)   |  |  |

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|----------------|--|---|--|--|
|                |  | <b>Spanning Tree Protocol</b>   |  |  |
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|                |  | Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default Multiple Spanning Tree instances using 802.1s (MSTP); 8 instances are supported  |  |  |
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|                |  | <b>Port grouping/link aggregation</b>   |  |  |
|                |  | Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP)   |  |  |
|                |  | <ul style="list-style-type: none"> <li>• Up to 8 groups</li> </ul>  |  |  |
|                |  | <ul style="list-style-type: none"> <li>• Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation</li> </ul>   |  |  |
|                |  | <b>Voice VLAN</b>   |  |  |
|                |  | Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS. Voice Services Discovery Protocol (VSDP) delivers networkwide zero-touch deployment of voice endpoints and call control devices                                    |  |  |
|                |  | Warranty:   |  |  |
|                |  | 3 Years Parts/Labor/Support   |  |  |
|                |  | <b>Support:</b>   |  |  |
|                |  | 8X5 Next Business Day   |  |  |
|                |  |   |  |  |
| <b>4 units</b> |  | <b>C. Wireless LAN Access Points</b>  |  |  |
|                |  | Additional units are to be added to the existing Ruckus AP units through the existing WiFi controller.  |  |  |
|                |  | Features:   |  |  |
|                |  | <ul style="list-style-type: none"> <li>• Can connect more devices simultaneously:<br/>Improved device performance, by enabling more simultaneous device connections with built-in 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz), MU-MIMO, and OFDMA technology.</li> </ul> |  |  |
|                |  | <ul style="list-style-type: none"> <li>• High density performance:<br/>Provides end-user experience within large meeting halls, general enterprise spaces, and large classrooms.</li> </ul>   |  |  |
|                |  | <ul style="list-style-type: none"> <li>• Converged Access Point:</li> </ul>   |  |  |

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| Allows customers to eliminate siloed networks, unify WiFi and non-WiFi wireless technologies into one single network, and expand to any future wireless technologies through the USB port.  |  |  |
| <ul style="list-style-type: none"> <li>• Multigigabit access speeds:<br/>Optimized multi-gigabit Wi-Fi performance delivered using the built-in 2.5GbE port to connect to multigigabit switches.</li> </ul>                                 |  |  |
| <ul style="list-style-type: none"> <li>• Multiple management options:<br/>Manage on-premise physical/ virtual appliances and control auto-provisioning for faster deployment and seamless firmware upgrades.</li> </ul>                     |  |  |
| <ul style="list-style-type: none"> <li>• Enhanced Security:<br/>The latest Wi-Fi security standard with WPA3 and receive enhanced protection from man-in-the-middle attacks in the most secure way.</li> </ul>                              |  |  |
| <ul style="list-style-type: none"> <li>• Wi-Fi Standards: IEEE 802/11a/b/g/n/ac/ax</li> </ul>   |  |  |
| Supported Rates: <ul style="list-style-type: none"> <li>• 802.11ax: 4 to 2400 Mbps</li> <li>• 802.11ac: 6.5 to 1732 Mbps</li> <li>• 802.11n: 6.5 to 600 Mbps</li> <li>• 802.11a/g: 6 to 54 Mbps</li> <li>• 802.11b: 1 to 11 Mbps</li> </ul> |  |  |
| Supported Channels: <ul style="list-style-type: none"> <li>• 2.4GHz: 1-13</li> <li>• 5GHz: 36-64, 100-144, 149-165</li> </ul>   |  |  |
| MIMO: <ul style="list-style-type: none"> <li>• 4x4 SU-MIMO</li> <li>• 4x4 MU-MIMO</li> </ul>  |  |  |
| <ul style="list-style-type: none"> <li>• Spatial Streams: 4 for both SU-MIMO &amp; MU-MIMO</li> </ul>   |  |  |
| <ul style="list-style-type: none"> <li>• Radio Chains and Streams: 4x4:4</li> </ul>   |  |  |
| <ul style="list-style-type: none"> <li>• Channelization: 20,40, 80, 160Mhz</li> </ul>   |  |  |
| <ul style="list-style-type: none"> <li>• Security: WPA-PSK, WPA-TKIP, WPA2 AES, WPA3, 802.11i, Dynamic PSK, OWE; WIPS/WIDS</li> </ul>   |  |  |
| Antenna Type: <ul style="list-style-type: none"> <li>• Adaptive antennas with polarization diversity</li> <li>• Adaptive antenna that provides 4,000+ unique antenna patterns per band</li> </ul>   |  |  |
| Power: <ul style="list-style-type: none"> <li>• 802.3af PoE - 2.4GHz radio: 2x4, 19dBm per chain, 5GHz radio: 2x4, 20dBm per chain, 2nd Ethernet port, onboard IoT &amp; USB disabled, Max Power Consumption: 12.54W</li> </ul>             |  |  |
| <ul style="list-style-type: none"> <li>• Either standalone or centrally managed and Integrated NAT and DHCP support</li> </ul>  |  |  |

|         |  |  |  |
|---------|--|--|--|
|         | • 2 Ethernet ports: (1) compatible with 802.3af Power over Ethernet (PoE)  |  |  |
|         | • Multicast IP video streaming support and Four software QoS queues per client station   |  |  |
|         | • Future support for advanced spectrum analysis  |  |  |
|         | • Up to 32 (2.4 GHz) and 16 (5 GHz) BSSIDs with unique QoS and security policies   |  |  |
|         | • Wall or ceiling mountable with unobtrusive design  |  |  |
|         | • Built-in mounting options for fast and easy deployment   |  |  |
|         | • WPA-PSK (AES), 802.1X support for RADIUS and AD  |  |  |
|         | • Zero-IT and Dynamic PSK* and Admission control/load balancing*   |  |  |
|         | • Band steering and airtime fairness and Captive portal and guest accounts   |  |  |
|         | • SmartMesh Networking   |  |  |
|         | • High-end 802.11ac AP with BeamFlex+  |  |  |
|         | • 1,300 Mbps (5GHz) 450 Mbps (2.4GHz) Maximum PHY rate   |  |  |
|         | • 512 Concurrent users   |  |  |
|         | • 3x3:3 Radio chains streams   |  |  |
|         | • 6dB BeamFlex gains   |  |  |
|         | • 15dB Maximum interference mitigation   |  |  |
|         | • Policy Management Tools: Access Control Lists, Device Fingerprinting, Application Recognition and Control, Rate Limiting                   |  |  |
|         | • Mounting: Wall, acoustic ceiling, desk, Secure bracket   |  |  |
|         | • Must be adaptive and compatible with the current Wifi configuration and controller of BCDA.  |  |  |
|         | • Access Point Licenses must be included for the existing Wi-Fi controller.  |  |  |
|         | • Warranty: One (1) year of labor and parts  |  |  |
|         | • Higher specifications will be accepted.  |  |  |
|         | • The supplier must be an authorized service partner and/or reseller of the products being offered with certification.                       |  |  |
|         | <b>Inclusions:</b>   |  |  |
| 4 units | Spares of Power over Ethernet (PoE) Injector (1.0/2.5/5.0/10.0 Gbps), US Plug  |  |  |
| 4 units | Multi-purpose mounting bracket compatible with the AP being purchased for indoor. Supports mounting to a hard wall, ceiling, pole, or truss. |  |  |
|         | <i>For the Existing Zonedirector 1200:</i>   |  |  |
| 4 units | ZoneDirector 1200 Single AP License Upgrade SKU.   |  |  |

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| 4 units | Associate Partner Support, ZoneDirector ONE AP Upgrade, 1 Year  |  |  |
|         |   |  |  |
|         | <b>D. Additional Items</b>  |  |  |
| 8 units | SFP Module, 10G, OS2, LC/SX port / 10GBASE-SR SFP Module, Enterprise-Class  |  |  |
| 1 unit  | 3ft Wall Mounted Cabinet, Perforated Door, 1x pDU, 2x Exhaust Fan   |  |  |
| 1 unit  | 1U Finger Type Horizontal Cable Manager   |  |  |
| 1 unit  | 1KVA Uninterruptible Power Supply (UPS)   |  |  |
|         |   |  |  |
|         | <b>3. TRAINING</b>  |  |  |
|         | <ul style="list-style-type: none"> <li>• Knowledge Transfer/Technical Training of all main systems for all administrators.</li> </ul>   |  |  |
|         |   |  |  |
|         | <b>4. PRELIMINARIES AND LABOR</b>   |  |  |
|         | <ul style="list-style-type: none"> <li>• Installation, Configuration, Testing, and Commissioning of All Systems/Software included on All Equipment;</li> <li>• Services: Project management, Mobilization/Demobilization, Roughing ins;</li> <li>• Documentations and As-built plans;</li> <li>• Must integrate and configured to the current network setup;</li> <li>• Must be an authorized service partner and reseller of the product/unit being offered. Present any proof (Distributorship Cert., MAF, etc.);</li> <li>• After-sales support: One (1) year 8x5 or the next business day;</li> <li>• Other: Inclusive of all incidental accessories, peripherals, and components required in the project.</li> </ul> |  |  |
|         |   |  |  |
|         | <b>5. SUPPORT</b>   |  |  |
|         | <ul style="list-style-type: none"> <li>• Annual unlimited email, phone, and remote support, incident onsite support, scheduled annual health maintenance for 1 year, firmware/software update.</li> <li>• Technical support covers same-day response time and 24 x 7 coverage</li> </ul>  |  |  |
|         |   |  |  |
|         | <b>5. OTHER REQUIREMENTS</b>  |  |  |
|         | <ul style="list-style-type: none"> <li>• Bidders must have a Certificate of Structured Cabling Solutions Copper and Fiber Solutions.</li> </ul>   |  |  |

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| <ul style="list-style-type: none"> <li>● Permits: Process and secure all necessary permits and pay all fees incidental to the acquisition of the required permits.</li> </ul>  |  |  |
| <ul style="list-style-type: none"> <li>● Construction Safety and Health Program: Shall observe the required standards of health, safety, and procedures. Shall observe BCDA and the Building house regulations.</li> </ul> |  |  |
| <ul style="list-style-type: none"> <li>● Bidder must have at least one (1) employed Cisco Certified Network Associate.</li> </ul>  |  |  |
| <ul style="list-style-type: none"> <li>● Bidders are encouraged to attend the site survey to be scheduled before the submission of bids.</li> </ul>  |  |  |

**Note to Bidders:**

1. All specifications are minimum requirements. Proponents may propose equivalent or higher specifications.
2. The supplier must propose globally known brands.
3. The supplier shall supply the appliance where the availability of parts, replacement batteries, and power supplies are guaranteed for at least 5 years after the end of production.
4. The supplier shall supply the products in recyclable packages and provide a packaging take-back service.
5. Section 62.1 of RA9184 IRR –For the procurement of Goods, to ensure that manufacturing defects shall be corrected by the supplier, warranty security shall be required from the contract awardee for a minimum period of three (3) months, in the case of Expendable Supplies, or a minimum period of one (1) year, in the case of Non-expendable Supplies, after acceptance by the Procuring Entity of the delivered supplies.

The obligation for the warranty shall be covered by either retention money in an amount equivalent to at least one percent (1%) but not to exceed five percent (5%) of the payment, or a special bank guarantee equivalent to at least one percent (1%) but not to exceed five percent (5%) of the total contract price. The said amounts shall only be released after the lapse of the warranty period or, in the case of Expendable Supplies, after consumption thereof: Provided, however, That the supplies delivered are free from patent and latent defects and all the conditions imposed under the contract have been fully met.

**For this procurement, we shall require a one-year warranty security in the form of 5% Retention Money or 5 % Special Bank Guarantee of the total contract price.**

***Bidder's Authorized Representative:***

Name: \_\_\_\_\_  
 Legal capacity: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_  
 Date: \_\_\_\_\_

✱