



Republic of the Philippines  
OFFICE OF THE PRESIDENT  
**OPTICAL MEDIA BOARD**

No. 35 Scout Limbaga Street, Brgy. Laging Handa, Quezon City **BAGONG PILIPINAS**



**BIDS AND AWARDS COMMITTEE**

**SUPPLEMENTAL/BID BULLETIN NO. 4**

**CLARIFICATIONS RAISED DURING THE PRE-BID CONFERENCE**

Name of Project: **SUPPLY, DELIVERY, AND INSTALLATION OF PABX SYSTEM**

Location: **Quezon City**

Approved Budget for the Contract: **PHP 1,011,767.54**

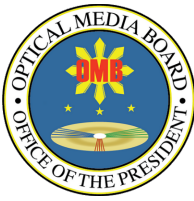
PhilGEPS Reference No.: 12210809

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This Bid Bulletin No. 4 is issued to clarify matters raised during the Pre-Bid Conference for the **SUPPLY, DELIVERY, AND INSTALLATION OF PABX SYSTEM**.

**CLARIFICATIONS TO QUERIES FROM PROSPECTIVE BIDDERS**

QUESTIONS	CLARIFICATIONS
<b>Q1. Technical Specifications (Implementing Network Security: Firewall)</b>	
Is there an existing firewall or should it be supplied and installed by the supplier?	Currently, there is no existing firewall installed and the supplier is required to install this.
What are the exact specifications of the firewall to be installed?	<p>Next-Generation Firewall (NGFW) for a PABX system and a dual-WAN network.</p> <p>For general network and internet use, key specifications include:</p> <ul style="list-style-type: none"><li>• Deep Packet Inspection (DPI) and Application Control for managing application traffic.</li><li>• Intrusion Prevention (IPS/IDS) and Advanced Malware Protection to stop threats.</li><li>• VPN capabilities for secure remote and site-to-site connections.</li><li>• URL filtering, SSL/TLS inspection, and identity awareness.</li><li>• High performance with sufficient throughput and session capacity, and comprehensive reporting and logging.</li></ul>

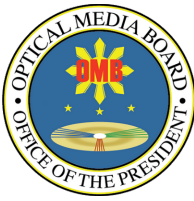


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	<p>For the PABX (VoIP) system, the NGFW needs specific features like:</p> <ul style="list-style-type: none"><li>• VoIP-aware Application Layer Gateway (ALG) to properly handle SIP/H.323 protocols.</li><li>• Quality of Service (QoS) to prioritize voice traffic.</li><li>• Protection against VoIP-specific attacks like SIP/H.323 floods.</li></ul> <p>For the dual-WAN features, the NGFW should provide:</p> <ul style="list-style-type: none"><li>• Automatic failover and failback for seamless connectivity during an outage.</li><li>• Load balancing to optimize bandwidth usage across both links.</li><li>• Policy-based routing (PBR) or SD-WAN capabilities to direct specific traffic (like VoIP) over a preferred link.</li><li>• High Availability (HA), such as an Active/Passive setup, for device redundancy."</li></ul>
<b>Q2. Clarifications on Existing Server, Telephone Lines, and SIP Trunk Setup</b>	
Is there an existing server and telephone line/s?	As advised, there is an existing PABX System; however, it is already outdated and not fully functional. The target configuration is for an on-premise setup and cloud setup is also acceptable.
Type of existing phone line/s	As discussed during the meeting, existing telephone lines are under Analog classification.
How many channels are required for the proposed setup?	Plan is to engage with two (2) service providers of SIP Trunk.
Who would cover the integration of the SIP Trunk, whether through the network	SIP Trunk will be provided by the internet service provider/s of the OMB and the

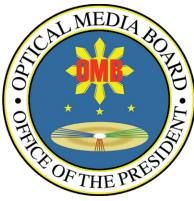


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infrastructure or directly integrated into the PABX System?	configuration of SIP Trunk with the PABX System should be taken care of by the bidders.
Should the existing or proposed system be capable of handling SIP Trunk configuration effectively?	The proposed PABX System should have the capability to be configured for multiple SIP Trunks.
<b>Q3. Technical Specifications (Web Integration)</b>	
Is the web integration feature mandatory?	The web integration (application available in Windows OS, Android, and macOS) is an optional feature but will be considered as a positive factor in the evaluation of bids if included in the submitted bid.
<b>Q4. Technical Specifications (Four POE Switches 24 Ports)</b>	
What are the exact requirements/specifications of the four (4) POE switches 24 ports?	<p>Switches will be classified into one (1) managed and three (3) unmanaged switches.</p> <p>1 Managed Switch specifications include:</p> <ul style="list-style-type: none"><li>• Port Configuration: 24 Gigabit Ethernet ports with full PoE+ support, plus at least 4 x 10G SFP+ uplinks for high-speed connections.</li><li>• Performance: A non-blocking switching capacity of at least 56 Gbps and a forwarding rate of 42 Mpps.</li><li>• PoE Budget: A minimum of 370 Watts to power devices on all 24 ports simultaneously.</li><li>• Layer 2 Features: Support for VLANs (including Voice VLAN), Link Aggregation (LACP), Spanning Tree Protocol (STP), and Quality of Service (QoS).</li><li>• Layer 3 Features: Must have static and dynamic IP routing (e.g., OSPF), inter-VLAN routing, and DHCP relay/snooping.</li><li>• Security: ACLs, port security (802.1X), and secure management</li></ul>

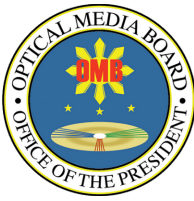


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	<p>access (SSH/HTTPS).</p> <ul style="list-style-type: none"><li>• Management: Both CLI and a web-based GUI, along with SNMP support for network monitoring.</li><li>• Optional Features: Stacking capability and redundant power supplies are highly recommended for improved reliability and scalability.</li></ul> <p>3 Unmanaged Switches specifications:</p> <ul style="list-style-type: none"><li>• Port Configuration: 24 Gigabit Ethernet ports, with a significant number supporting PoE+. Look for models with SFP uplinks to prevent network bottlenecks.</li><li>• PoE Budget: A budget of 370W to power devices on all 24 ports simultaneously.</li><li>• Performance: A non-blocking switching capacity of at least 48-52 Gbps and support for Jumbo Frames.</li><li>• Features: It provides basic functions like Auto-Negotiation and LED indicators. Some models may offer flow control for better data management.</li></ul> <p>Note: The service provider with a more advantageous proposal for the switches will be considered a positive factor in the evaluation.</p>
<b>Q5. Technical Specifications (Structured Cabling)</b>	
Should the structured cabling cover the electrical works from the outlet provided and who will conduct the electrical wiring tracing?	OMB building maintenance personnel will oversee and assist with the electrical works but the service provider must assign a technician to install the electrical components for the PABX System, including the switches and other necessary equipment.
Is the winning service provider going to utilize the existing cabling or will new cabling	New structured cabling will be laid out. Also, electrical metallic tubing (EMT) conduits are



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be required?	required for installation in critical areas. In non-critical or "safe" areas, the service provider may use plastic molding.
<b>Q6. Technical Specifications</b>	
Is there a specific or preferred brand or country of origin for the required items for this project?	The vice-chairperson of the committee emphasized that, in accordance with the Republic Act (RA) 9184 and its Implementing Rules and Regulations (IRR), specifying a brand name is not allowed in public procurement.

In addition, the copy of the Optical Media Board (OMB) floor plan for reference may be accessed in the attached link:

[https://drive.google.com/file/d/1sPWEi1trtcSLy8oBFBiS-NuF72hqbJWt/view?usp=drive\\_link](https://drive.google.com/file/d/1sPWEi1trtcSLy8oBFBiS-NuF72hqbJWt/view?usp=drive_link)

The BAC Secretariat is hereby directed to cause the immediate posting of this supplemental bid bulletin in the PhilGEPS website, OMB website, and at any conspicuous place in the OMB premises.

For the widest dissemination, information and guidance of all concerned.

Issued this 1st day of August 2025, Quezon City, National Capital Region.

  
ESPERANZA T. CORONEL  
Chairperson