

**CONTRACT AGREEMENT**  
Invitation to Bid No. **IB24-414429-03**

THIS AGREEMENT made the FEB 06 2025 day of 2025 between **DEVELOPMENT ACADEMY OF THE PHILIPPINES**, with principal office address at DAP Building, San Miguel Ave, Ortigas Center, Pasig, Metro Manila (hereinafter called the "Entity") of the one part and **COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.** of with principal office address at 62 Ilocos Sur St. Bago Bantay, Ramon Magsaysay, Quezon City (hereinafter called the "Supplier") of the other part:

WHEREAS the Entity invited Bids for certain goods and ancillary services, viz., **"One (1) Lot Supply, Installation, Configuration, and Testing, Including All Necessary Accessories to Complete the Replacement of Unmanaged Network Switches to Brand New Managed Network Core, Distribution, and Access Switches for DAP Facilities in Pasig City"** and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of **FIVE MILLION FIVE HUNDRED FIVE THOUSAND TWO HUNDRED FIVE PESOS (P5,505,205.00)** (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - i. The Official Bidding Documents (OBDs) including its sections as follows:
    - a) Schedule of Requirements;
    - b) Technical Specifications;
    - c) Instruction to Bidders;
    - d) Bid Data Sheet;
    - e) General and Special Conditions of Contract;
    - f) Bid Bulletin No.1 dated on 31 October 2024 (**Annex "A"**), if any
  - ii. The **Supplier's** bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the **Supplier's** bidding envelopes, as annexes, and all other documents submitted (e.g., the **Supplier's** response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the **Entity's** bid evaluation (**Annex "B"**);
  - iii. Performance Security (**Annex "C"**);
  - iv. Notice of Award of Contract and the **Supplier's** conforme thereto (**Annex "D"**); and
  - v. Other contract documents that may be required by existing laws and/or the **Entity** in the OBDs. **The Supplier agrees that additional contract documents or information prescribed by the Government Procurement Policy Board that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of this Agreement.**
3. In consideration for the sum of **FIVE MILLION FIVE HUNDRED FIVE THOUSAND TWO HUNDRED FIVE PESOS (P5,505,205.00)** or such other sums as may be ascertained, and the **Supplier** agrees to supply, install, configure and testing of all the goods and services in accordance with its Bid.
4. The **Entity** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

A Certificate of Availability of Funds (CAF) duly signed by the Chief Accountant of the **Entity** is attached hereto as **Annex "E"** and made an integral part of this Agreement.

JESSIE L. MELO  
Purchasing Manager

JOMAR A. PASTRANA  
End User

JAIMIE JOSHUA JR. FLORENDO  
Project Manager


RICHA S. TIBO  
Vice Chairperson, BAC 2

MR. GLENN WILFRED M. BERIDICO  
Business Unit Head


MAJAH-LEAH V. RAVAGO, PhD  
President and CEO

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.


for the Development Academy of the Philippines ("ENTITY"):

  
**MAJAH-LEAH V. RAVAGO, PhD**  
President and CEO

for the Commsource Systems and Integrated Solutions Inc. ("SUPPLIER"):

  
**MR. GLENN WILFRED M. BERIDICO**  
Business Unit Head

\*\*\*witnesses\*\*\*

  
**RICHA S. TIBO**  
Division Chief, HR

  
**JAIME JOSHUA JR A. FLORENDO**  
Project Manager

  
**JOMAR A. PASTRANA**  
End User

  
**JESSIE L. MELO**  
Purchasing Manager

**ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES )  
CITY OF \_\_\_\_\_ ) S.S.

FEB 06 2025

BEFORE ME, on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ at \_\_\_\_\_, QUEZON CITY, personally appeared the following persons:

<b>MAJAH-LEAH V. RAVAGO, PhD</b> President and CEO Development Academy of the Philippines	For the <b>Entity</b> <ul style="list-style-type: none"><li>• ID No. _____</li><li>• Issued in _____</li><li>• Valid until _____</li></ul>
<b>MR. GLENN WILFRED M. BEREDICO</b> <i>Business Unit Head</i> COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.	For the <b>Supplier</b> <ul style="list-style-type: none"><li>• ID No. _____</li><li>• Issued in _____</li><li>• Valid until _____</li></ul>

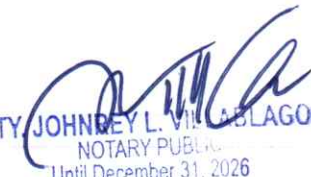
who are known to me to be the same persons who executed the foregoing instrument and have both acknowledged to me that the same is their free and voluntary act and deed and that of the government agency and organization they represent therein.

This instrument consisting of forty-seven (47) pages, signed by the parties on the left-hand margin of each page thereof and with their instrumental witnesses at the bottom of the same instrument on page "2", this page on which this acknowledgment is written, and the attached Annexes "A", "B", "C", "D" and "E", refers to a Contract Agreement executed for the purpose(s) therein set forth.

**WITNESS MY SIGNATURE AND NOTARIAL SEAL** on the date and place first above written.

**NOTARY PUBLIC:**

Doc No.: 478  
Page No.: 97  
Book No.: XII  
Series of 2024

  
ATTY. JOHNREY L. VILLALAGON  
NOTARY PUBLIC  
Until December 31, 2026  
Adm. Matter No. 227  
PTR No. 69895430 - 01-02-25 - QC  
IBP OR No. 494107 - 01-02-25 - QC  
Roll No. 83492  
MCLE Compliance No. VIII - 0010756 - 04-14-28  
52 Ilocos Sur St., Brgy. Ramon Magsaysay, QC



**development academy of the philippines**

The National Productivity Organization



<b>BID BULLETIN No.1</b>		<b>31 October 2024 (Thursday)</b>
<b>BIDDING NO.:</b>	<b>"ONE (1) LOT SUPPLY, INSTALLATION, CONFIGURATION, AND TESTING, INCLUDING ALL NECESSARY ACCESSORIES TO COMPLETE THE REPLACEMENT OF UNMANAGED NETWORK SWITCHES TO BRAND NEW MANAGED NETWORK CORE, DISTRIBUTION, AND ACCESS SWITCHES FOR DAP FACILITIES IN PASIG CITY"</b>	
<b>IB24-414429-03</b>		
<b>APPROVED BUDGET CEILING (ABC):</b>		
<b>P10,000,000.00</b>		
<b>DATE OF PRE-BID CONFERENCE</b>		
22 October 2024 (Tuesday); 10:00 AM		

Relative to the conducted Pre-Bid Conference via Hybrid for the above-stated Project last 22 October 2024 (Tuesday), the following clarifications from prospective bidders are being posted for the information of all concerned, as approved by the BAC & TWG:

References based on the OBD / Pre-Bid Conference	New description / Clarification
<b>Title of the Project:</b>  "ONE (1) LOT SUPPLY, INSTALLATION, CONFIGURATION, AND TESTING, INCLUDING ALL NECESSARY ACCESSORIES TO COMPLETE THE REPLACEMENT OF UNMANAGED NETWORK SWITCHES TO BRAND NEW MANAGED NETWORK CORE, DISTRIBUTION, AND <b>CORE</b> SWITCHES FOR DAP FACILITIES IN PASIG CITY"	"ONE (1) LOT SUPPLY, INSTALLATION, CONFIGURATION, AND TESTING, INCLUDING ALL NECESSARY ACCESSORIES TO COMPLETE THE REPLACEMENT OF UNMANAGED NETWORK SWITCHES TO BRAND NEW MANAGED NETWORK CORE, DISTRIBUTION, AND <b>ACCESS</b> SWITCHES FOR DAP FACILITIES IN PASIG CITY"
<b>Section VII – Technical Specifications</b> items no. "2.1 Core Switch-Copper" and 2.2 "One (1) Unit Distribution Switch – Fiber"	40GbE QSFP+ or 100GbE QSFP28 uplink ports <b>Note:</b> Bidder can offer a higher or equivalent to compatible QSFP modules
<b>Section VII – Technical Specifications</b> item no. "2.1 Core Switch-Copper"	Core Switch – Fiber
<b>Section VII – Technical Specifications</b> item no. 2.2 "One (1) Unit Distribution Switch – Fiber"	
Four 400W Exhaust Flow: 4 Units PSU	2 Units PSU
Power Cord: Three (3)	Power Cord: Two (2)
Two 4-port	Retained
<b>Section VII – Technical Specifications</b> , item no. "2.1 Core Switch-Copper"	
"Twelve switches into a single logical switch, up to 2.4 Tbps	Retained
Stacking Cables	Required
<b>Copy of Network Diagram</b>	Will be given to Winning Bidder

**DAP MAIN OFFICE**  
DAP Bldg., San Miguel Avenue, Pasig City 1600  
Tel. (632) 8831 0921 | Fax. (632) 8631 2123  
E-mail: academy@dap.edu.ph | http://www.dap.edu.ph

**DAP CONFERENCE CENTER**  
Brgy. Sungay East, Tagaytay City, 4120  
Tel. (046) 482-6810  
E-mail: academy@dap.edu.ph

**DAP SA MINDANAO**  
Larang, Davao City 6000  
Tel.: (082) 287-2902  
E-mail: academy@dap.edu.ph



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References based on the OBD / Pre-Bid Conference	New description / Clarification
<p><b>Section VII – Technical Specifications</b> item no. 2.2 "One (1) Unit Distribution Switch – Fiber"</p> <p>Premium Software License</p>	<p>Software License for Premium features or equivalent.</p>
<p><b>Section VII – Technical Specifications</b> items no. "2.1 Core Switch-Copper" and 2.2 "One (1) Unit Distribution Switch – Fiber"</p> <p>Layer 3</p>	<p>Retained</p>
<p><b>Section VII – Technical Specifications</b> items no. 2.3. POE for IDFs – ACCESS SWITCH</p>	<p>License is required</p>
<p><b>Section VII – Technical Specifications</b> item no. 2.4. POE FOR IDFs - ACCESS SWITCH</p>	<p>The winning bidder will propose the PoE power budget in their proposed network design based on the result of the Network Audit requirement of the project.</p>
<p><b>Section VII – Technical Specifications</b> item no. 3</p>	<p>Bidder may propose a hardware-based or cloud-based solution for centralized monitoring.</p>
<p><b>Form 2 – Price Schedule</b></p>	<p>See Annex A – "Revised Form 2 - Price Schedule"</p>
<p><b>Form 9 –Technical Specifications Compliance</b></p>	<p>See Annex B – "Revised Form 9 - Technical Specifications Compliance"</p>
	<p><b>CWDP and CWNA Certification</b> - Network engineering configurations, activations and connectivity. Finalization of Network Structures, submission of as-built design in 20x30 digiblu print 4-sets signed and sealed documentation, test results, technical specifications and manuals must be signed by a Professional Electronics and Communications Engineer (PECE).</p>

**Note: The Specifications are the minimum standards. The Bidders may submit higher or better specifications.**

**Reminder to Bidders:**

1. The Prospective Bidders may obtain further information from DAP and inspect the Bidding Documents at the DAP Pasig address or through email or contact details provided below during 9:00AM to 4:30PM (except holidays and weekends).
2. A complete printed set or electronic copy of Bidding Documents may be acquired by interested Bidders until **15 November 2024** from 9:00AM to 4:30PM, (except holidays



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and weekends), from the given address and website below, upon payment of the applicable fee for the Bidding Documents, pursuant to the latest guidelines issued by the GPPB, in the amount of **TEN THOUSAND PESOS (P10,000.00)**. The DAP shall allow the bidder to present its proof of payment for the fees in person, or through electronic means.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System ([www.philgeps.gov.ph](http://www.philgeps.gov.ph)) and the website of the DAP ([www.dap.edu.ph](http://www.dap.edu.ph)). However, **only bidders who have paid the non-refundable applicable fee not later than the deadline for submission of bids, shall qualify to participate and submit the bids.**

- Interested bidders must make payment to:

Account Name:	Development Academy of the Philippines
Account Number:	0671-0105-40
Bank:	Landbank of the Philippines
Branch of Account:	Pasig Capitol Branch

A copy of proof of payment must be emailed to DAP's Finance Department at: [cashtreasury@dap.edu.ph](mailto:cashtreasury@dap.edu.ph) and copy furnish [dapbacsec@dap.edu.ph](mailto:dapbacsec@dap.edu.ph) for the issuance of Service Invoice (SI) and the BAC Secretariat will provide assistance to the On-line Bidder for the creation of "bidms account" and dedicated site in the [bidms.dap.edu.ph](http://bidms.dap.edu.ph).

- In compliance with GPPB Resolutions Nos. 09-2020 and 12-2020, all Electronic-Bids must be duly received by the Bids and Awards Committee (BAC) Secretariat, through the designated [bidms.dap.edu.ph](http://bidms.dap.edu.ph) secured account on or before **19 November 2024** and not later than **9:30AM**. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14. **LATE BIDS SHALL NOT BE ACCEPTED.**
- Bid opening shall be on **19 November 2024, 10:00AM** via Google Meet Platform. Electronic-bids will be opened in the presence of the bidders' authorized representative/s who are authorized to attend the proceedings, as evidenced by the **Bidders' Notarized Letter of Authorization (LOA)**. The **Authorized Representative** is a person who has been authorized by the company's owner, board, or management, and via a notarized document, to represent the company, to ask questions, answer questions, and make decisions on behalf of the company during the bid opening.
- The **DAP** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time in accordance with the provisions of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
- For further information, please refer to:

**RODEL DV. CASTILLO**  
*Officer-in-Charge, BAC Secretariat Division*  
 Development Academy of the Philippines



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1<sup>st</sup> Floor DAP Bldg., San Miguel Avenue, Pasig City 1600  
Telephone No. : (632) 8631-0921 loc. 133  
BAC Secretariat email : [dapbacsec@dap.edu.ph](mailto:dapbacsec@dap.edu.ph)  
Website address : <https://www.dap.edu.ph>

8. You may visit the following websites:

For downloading of Official Bidding Documents:  
<https://www.dap.edu.ph/invitation-to-bid/>  
For online bid submission: <http://bidms.dap.edu.ph/page/>

For the guidance and information of all concerned.

**ALAN S. CAJES**  
CHAIRPERSON, BIDS & AWARDS COMMITTEE 2 (SO No.2024-038)  
>>>NOTHING FOLLOWS<<<



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*Bidder's LETTERHEAD*

**FORM 2: PRICE SCHEDULE**  
(AS PER GPPB RESOLUTION NO. 16-2020)

**INSTRUCTIONS to BIDDERS**

01. THIS FORM SHOULD BE ACCOMPLISHED USING THE BIDDER'S LETTERHEAD; SIGNED COPY SHOULD BE SUBMITTED AS PART OF THE FINANCIAL COMPONENT MARKED AS "FC02".
02. THE SIGNED COPY OF THIS DOCUMENT (IN PDF OR JPEG FORMAT) MUST BE PART OF THE ELECTRONIC FILES THAT SHOULD BE CONTAINED IN THE SUBMITTED ELECTRONIC BID.
03. DO NOT LEAVE BLANK CELLS. KINDLY PUT N/A IF "NOT APPLICABLE".
04. KINDLY USE ADDITIONAL SHEETS IF NECESSARY, AND
05. THE FILENAME STRUCTURE SHOULD BE: "FC02\_XXX=PRICE\_SCHEDULE=<BIDDERNAME>".

**FOR GOODS OFFERED FROM WITHIN THE PHILIPPINES**

Name of Bidder: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_  
 Invitation to Bid Number: **IB24-414429-03**

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity unit	Unit price EXW per item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
1.0	Audit the DAP existing network design and submit findings to the DAP ICTD  Submit the proposed network architecture, design and engineering plan, sign and sealed by Professional Electronics and Communication Engineer (PECE) in 20x30-4sets, A3-5sets and CAD file		1/lot						
2.1	Supply, installation, testing, configuration, and testing of twenty-three (23) network switches, one (1) core switch, one (1), distribution switch, twenty-one (21) access switches		1/lot						





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	Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support for third-party transceivers, 1G, 10G, 40G and 100G transceivers and stacking cables											
2.2	ONE (1) UNIT DISTRIBUTION SWITCH - FIBER: 24x1/10Gbps SFP/SFP+ ports, 40GbE QSFP+ uplink-ports, can add a modular slot 4x1/10 GbE SFP/SFP+ uplink-ports, 40GbE QSFP+ or 100GbE QSFP28 uplink ports, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 1020 Gbps of switching capacity and 759 Mpps forwarding capacity, allows the user to perform software upgrades to the switches in the stack without service interruption, allows the user to perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 2.4 Tbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to	1/unit										

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<p>operate with the fun disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), IPv4 and IPv6 static routes - RIP v1/v2, RIPv2, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support for third-party transceivers, 1G,10G, 40G and 100G transceivers and stacking cables</p>									
<p>2.3 TWELVE (12) UNITS POE FOR IDF's - ACCESS SWITCH. 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking</p>		<p>12/unit s</p>							



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	PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/ Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables				
2.4	SEVEN (7) UNITS POE FOR IDF - ACCESS SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1 GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 180 Gbps of switching capacity and 134 Mpps forwarding capacity, perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or	7/units			





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<p>Notification (RPN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPv2, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>								
<p>2.5 ONE (1) UNIT POE FOR MDF - ACCESS SWITCH: 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option.</p>		1/unit						





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<p>Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>									
<p>2.6 ONE (1) UNIT SERVER FARM SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 180 Gbps of switching capacity and 134 Mpps forwarding capacity, perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network</p>	<p>1/unit</p>								



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	Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPv2, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables								
2.7	FIFTY (50) UNITS TRANSCEIVER: 1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	50/units							
3	Supply of Network switches complete with compatible accessories such as Small Form-factor Pluggable (SFP) modules, support and license, fans, power cords, centralized monitoring	1/lot							
4	Supply, installation, termination, and testing with test results, of CAT6 cables or fiber optic cables as per project specifications.  Optical Time Domain Reflectometer for fiber optic cables and Fluke tester for copper cables.	1/lot							
5	Install patch panels, racks and cabinets as required;	1/lot							
6	Network engineering configurations, activations and connectivity. Finalization of Network Structures, submission of as-built design in 20x30 digibblue	1/lot							



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	print 4-sets signed and sealed documentations, test results, technical specification and manuals									
7	Provision of Technical Training, Overview and knowledge transfer to ten(10) DAP Officer / Staff  Provide one(1) year warranty support with monthly system and connectivity checkup and monitoring with 24/7 on-call and on-site support  Certificate of Warranty to DAP (End User) on all supplied equipment and cabling for one (1) year or as per manufacturer's standard and post-installation support for one (1) year.	1/lot								
<b>TOTAL AMOUNT:</b>										

Yours sincerely,

**SIGNATURE OF THE AUTHORIZED REPRESENTATIVE**

NAME OF THE AUTHORIZED REPRESENTATIVE \_\_\_\_\_

POSITION TITLE OF SIGNATORY: \_\_\_\_\_

NAME OF FIRM\BIDDER: \_\_\_\_\_

POSTAL ADDRESS: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_



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**FOR GOODS OFFERED FROM ABROAD**

Name of Bidder: \_\_\_\_\_ Page \_\_\_ of \_\_\_

Invitation to Bid Number: **IB24-414429-03**

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity/ unit	Unit price (US\$ per item)	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)
1.0	Audit the DAP existing network design and submit findings to the DAP ICTD  Submit the proposed network architecture, design and engineering plan, sign and sealed by Professional Electronics and Communication Engineer (PECE) in 20x30-4sets, A3-5sets and CAD file		1/lot					
2.1	Supply, installation, testing, configuration, and testing of twenty-three (23) network switches, one (1) core switch, one (1), distribution switch, twenty-one (21) access switches		1/lot					
2.1	CORE SWITCH – COPPER. 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 1.020 Gbps of switching capacity and 759 Mpps forwarding capacity, allows the user		1/unit					



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<p>to perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 2.4 Tbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support</p>									
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	for third-party transceivers, 1G,10G, 40G and 100G transceivers and stacking cables						
2.2	<p>ONE (1) UNIT                  DISTRIBUTION SWITCH - FIBER:                  24x1/10Gbps SFP/SFP+ ports, 40GbE QSFP+ uplink-ports, can add a modular slot 4x1/10 GbE SFP/SFP+ uplink-ports, 40GbE QSFP+ or 100GbE QSFP28 uplink ports, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 1020 Gbps of switching capacity and 759 Mpps forwarding capacity, allows the user to perform software upgrades to the switches in the stack without service interruption, allows the user to perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 2.4 Tbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy</p>	1/unit					



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<p>(SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), IPv4 and IPv6 static routes - RIP v1/v2, RIPv6, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support for third-party transceivers, 1G,10G, 40G and 100G transceivers and stacking cables</p>							
<p>2.3 TWELVE (12) UNITS POE FOR IDF's - ACCESS SWITCH. 24x 10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x 1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance</p>	12/units						







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<p>ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPvng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>							
<p>2.4 SEVEN (7) UNITS POE FOR IDF - ACCESS SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 180 Gbps of switching capacity and 134 Mpps forwarding capacity, perform software upgrades to the switches in the stack without service</p>		<p>7/units</p>					



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<p>interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), 802.1s Multiple Spanning Tree, 802.1x Authentication, Auto MDI/MDIX, BPDU Guard, Root Guard, Dual-Mode VLANs, MAC-based VLANs, Dynamic MAC-based VLAN activation, Dynamic VLAN Assignment, Fast Port Span, 802.1s Multiple Spanning Tree, IGMP Snooping (v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC</p>							
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<p>Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring: Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>							
<p>2.5 ONE (1) UNIT POE FOR MDF - ACCESS SWITCH: 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the</p>		1/unit					



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<p>Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring: Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPv2, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>								
<p>2.6 ONE (1) UNIT SERVER FARM SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 180 Gbps of</p>		<p>1/unit</p>						



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	(v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring: Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPv2, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables							
2.7	FIFTY (50) UNITS TRANSCEIVER: 1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	50/units						
3	Supply of Network switches complete with compatible accessories	1/lot						





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	such as Small Form-factor Pluggable (SFP) modules, support and license, fans, power cords, centralized monitoring						
4	Supply, installation, termination, and testing with test results, of CAT6 cables or fiber optic cables as per project specifications.  Optical Time Domain Reflectometer for fiber optic cables and Fluke tester for copper cables.	1/lot					
5	Install patch panels, racks and cabinets as required;	1/lot					
6	Network engineering configurations, activations and connectivity. Finalization of Network Structures, submission of as-built design in 20x30 digiblue print 4-sets signed and sealed documentations, test results, technical specification and manuals	1/lot					
7	Provision of Technical Training, Overview and knowledge transfer to ten(10) DAP Officer / Staff  Provide one(1) year warranty support with monthly system and connectivity checkup and monitoring with 24/7 on-call and on-site support	1/lot					



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Certificate of Warranty to DAP (End User) on all supplied equipment and cabling for one (1) year or as per manufacturer's standard and post-installation support for one (1) year.									

**TOTAL AMOUNT:**

Yours sincerely,

**SIGNATURE OF THE AUTHORIZED REPRESENTATIVE**

NAME OF THE AUTHORIZED REPRESENTATIVE: \_\_\_\_\_  
 POSITION TITLE OF SIGNATORY: \_\_\_\_\_  
 NAME OF FIRM\BIDDER: \_\_\_\_\_  
 POSTAL ADDRESS: \_\_\_\_\_  
 TELEPHONE NUMBER: \_\_\_\_\_  
 EMAIL ADDRESS: \_\_\_\_\_



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Annex "B" – Revised Form 9 - Technical Specifications Compliance ..... Page 1 of 7

*Bidder's LETTERHEAD*

**FORM 9: TECHNICAL SPECIFICATIONS COMPLIANCE**

**INSTRUCTIONS to BIDDERS:**

01. THIS FORM SHOULD BE ACCOMPLISHED USING THE BIDDER'S LETTERHEAD, SIGNED COPY SHOULD BE SUBMITTED AS PART OF THE TECHNICAL COMPONENT MARKED AS "TC9"
02. THE SIGNED COPY OF THIS DOCUMENT (IN PDF OR JPEG FORMAT) MUST BE PART OF THE ELECTRONIC FILES THAT SHOULD BE CONTAINED IN THE SUBMITTED ELECTRONIC BID, AND
03. THE FILENAME STRUCTURE SHOULD BE "TC05\_XXX=CONFORMITY WITH TECH-SPECS=<BIDDERNAME>".

**CONFORMITY WITH THE TECHNICAL SPECIFICATIONS**

Item	Specification	Qty	Unit	Statement of Compliance
1	Audit the DAP existing network design and submit findings to the DAP ICTD  Submit the proposed network architecture, design and engineering plan, sign and sealed by Professional Electronics and Communication Engineer (PECE) in 20x30-4sets, A3-5sets and CAD file	1	lot	
2	Supply, installation, testing, configuration, and testing of twenty-three (23) network switches, one (1) core switch, one (1), distribution switch, twenty-one (21) access switches  <b>Network Switches for DAP Pasig shall be inclusive of, but not limited to:</b>	1	lot	
2.1	CORE SWITCH – COPPER: 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 1,020 Gbps of switching capacity and 759 Mpps forwarding capacity, allows the user to perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 2.4 Tbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent	1	unit	



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	mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support for third-party transceivers, 1G,10G, 40G and 100G transceivers and stacking cables			
2.2	ONE (1) UNIT DISTRIBUTION SWITCH - FIBER: 24x1/10Gbps SFP/SFP+ ports, 40GbE QSFP+ uplink-ports, can add a modular slot 4x1/10 GbE SFP/SFP+ uplink-ports, 40GbE QSFP+ or 100GbE QSFP28 uplink ports, able to be managed or configured through CLI, GUL WLAN controller or cloud, 1020 Gbps of switching capacity and 759 Mpps forwarding capacity, allows the user to perform software upgrades to the switches in the stack without service interruption, allows the user to perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 2.4 Tbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), IPv4 and IPv6 static routes - RIP v1/v2, RIPng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, advance L3 ready for advance L3 routing protocols, can be upgraded using L3 advance license, support for third-party transceivers, 1G,10G, 40G and 100G transceivers and stacking cables	1	unit	
2.3	TWELVE (12) UNITS POE FOR IDF6 - ACCESS	12	units	



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	<p>SWITCH: 24x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), 802.1s Multiple Spanning Tree, 802.1x Authentication, Auto MDI/MDIX, BPDU Guard, Root Guard, Dual-Mode VLANs, MAC-based VLANs, Dynamic MAC-based VLAN activation, Dynamic VLAN Assignment, Fast Port Span, 802.1s Multiple Spanning Tree, IGMP Snooping (v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring, Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPvng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>			
2.4	SEVEN (7) UNITS POE FOR IDF - ACCESS SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through	7	units	



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	<p>CLI, GUI, WLAN controller or cloud, 180 Gbps of switching capacity and 134 Mpps forwarding capacity, perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), 802.1s Multiple Spanning Tree, 802.1x Authentication, Auto MDI/MDIX, BPDU Guard, Root Guard, Dual-Mode VLANs, MAC-based VLANs, Dynamic MAC-based VLAN activation, Dynamic VLAN Assignment, Fast Port Span, 802.1s Multiple Spanning Tree, IGMP Snooping (v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+PRST), Mirroring: Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPvng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>			
2.5	<p>ONE (1) UNIT POE FOR MDF - ACCESS SWITCH: 24*10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4*1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, 132 Gbps of switching capacity and 98 Mpps forwarding capacity, allows upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking</p>	1	unit	



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	insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), 802.1s Multiple Spanning Tree, 802.1x Authentication, Auto MDI/MDIX, BPDU Guard, Root Guard, Dual-Mode VLANs, MAC-based VLANs, Dynamic MAC-based VLAN activation, Dynamic VLAN Assignment, Fast Port Span, 802.1s Multiple Spanning Tree, IGMP Snooping (v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring, Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPvng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables			
2.7	FIFTY (50) UNITS TRANSCEIVER: 1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	50	units	
3	Supply of Network switches complete with compatible accessories such as Small Form-factor Pluggable (SFP) modules, support and license, fans, power cords, centralized monitoring	1	lot	
4	Supply, installation, termination, and testing with test results, of CAT6 cables or fiber optic cables as per project specifications.  Optical Time Domain Reflectometer for fiber optic cables and Fluke tester for copper cables.	1	lot	
5	Install patch panels, racks and cabinets as required;	1	lot	



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	<p>bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot insertion/removal of stack members, offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled for silent operation, sFlow-based network monitoring, Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3, Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication, LLDP and LLDP-MED protocol support, VLAN support and tagging support IEEE 802.1Q (4095 VLAN IDs), 802.1s Multiple Spanning Tree, 802.1x Authentication, Auto MDI/MDIX, BPDU Guard, Root Guard, Dual-Mode VLANs, MAC-based VLANs, Dynamic MAC-based VLAN activation, Dynamic VLAN Assignment, Fast Port Span, 802.1s Multiple Spanning Tree, IGMP Snooping (v1/v2/v3), IGMP Proxy for Static Groups, IGMP v2/v3 Fast Leave, Inter-Packet Gap (IPG) adjustment, Link Fault Signaling (LFS), MAC Address Filtering, MAC Learning Disable, Multi-device Authentication, Per-VLAN Spanning Tree (PVST/PVST+/PRST), Mirroring: Port-based, ACL-based, MAC Filter-based and VLAN-based, PIM-SM v2 Snooping, Port Loop Detection, Private VLAN, Remote Fault Notification (RFN), Single instance Spanning Tree, Trunk Groups (static, LACP), Uni-Directional Link Detection (UDLD), Metro-Ring Protocol (MRP) (v1, v2), Virtual Switch Redundancy Protocol (VSRP), Q-in-Q and selective Q-in-Q, VLAN Mapping, Topology Groups, IPv4 and IPv6 static routes - RIP v1/v2, RIPvng, ECMP, Port-based Access Control Lists, Layer 3/Layer 4 ACLs, Host routes, Virtual Interfaces, Routed Interfaces, Route-only Support, Routing Between Directly Connected Subnets, support for third-party transceivers, 1G or 10G and stacking cables</p>			
2.6	<p>ONE (1) UNIT SERVER FARM SWITCH: 48x10/100/1000Mbps GbE PoE/PoE+ ports, 2x1 GbE RJ45 uplink ports, 4x1GbE SFP uplink ports, switch's uplink ports are upgradeable into 2x10GbE SFP+ ports or 4x10GbE SFP+ ports via license, able to be managed or configured through CLI, GUI, WLAN controller or cloud, 180 Gbps of switching capacity and 134 Mpps forwarding capacity . perform software upgrades to the switches in the stack without service interruption, able to stack up to twelve switches into a single logical switch, up to 480 Gbps of aggregated stacking bandwidth, capable of long distance stacking up to 10 km using standard optics or cables, does not need hardware module to have stacking feature and is capable of Hot</p>	1	unit	





**BID BULLETIN No.1**

DATE OF ISSUE	PAGE NUMBER
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6	Network engineering configurations, activations and connectivity. Finalization of Network Structures, submission of as-built design in 20x30 digiblu print 4-sets signed and sealed documentations, test results, technical specification and manuals	1	lot	
7	<p>Provision of Technical Training, Overview and knowledge transfer to ten(10) DAP Officer / Staff</p> <p>Provide one(1) year warranty support with monthly system and connectivity checkup and monitoring with 24/7 on-call and on-site support, response time should be available within four (4) hours.</p> <p>Certificate of Warranty to DAP (End User) on all supplied equipment and cabling for one (1) year or as per manufacturer's standard and post-installation support for one (1) year.</p> <p><i>Note:</i> Bidder should have its own Technical Support Team, based in the Philippines to perform the technical support duties for the procuring entity covering all functions of the project.</p>	1	lot	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, of found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

**SIGNATURE OF THE AUTHORIZED REPRESENTATIVE** \_\_\_\_\_  
 NAME OF THE AUTHORIZED REPRESENTATIVE \_\_\_\_\_  
 POSITION TITLE OF SIGNATORY: \_\_\_\_\_  
 NAME OF FIRM/BIDDER: \_\_\_\_\_  
 POSTAL ADDRESS: \_\_\_\_\_  
 TELEPHONE NUMBER: \_\_\_\_\_  
 EMAIL ADDRESS: \_\_\_\_\_  
 DATE SIGNED: \_\_\_\_\_

**Annex "C"- NOTICE OF AWARD ..... Page 1 of 2**



12 December 2024

**MR. GLENN WILFRED M. BEREDICO**  
 Business Unit Head  
**COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.**  
 62 Ilocos Sur St. Bago Bantay,  
 Ramon Magsaysay, Quezon City  
 Email: [gwberedico@commsource.com.ph](mailto:gwberedico@commsource.com.ph)

**NOTICE OF AWARD**

**PROJECT NAME:** "ONE (1) LOT SUPPLY, INSTALLATION, CONFIGURATION, AND TESTING, INCLUDING ALL NECESSARY ACCESSORIES TO COMPLETE THE REPLACEMENT OF UNMANAGED NETWORK SWITCHES TO BRAND NEW MANAGED NETWORK CORE, DISTRIBUTION, AND ACCESS SWITCHES FOR DAP FACILITIES IN PASIG CITY"

IB No.: IB24-414429-03 | ABC of P10,000,000.<sup>00</sup>

Dear **Mr. Beredico**

Greetings from the Academy!

We are pleased to notify you that the project above-cited is hereby awarded to **COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.** with a total amount equivalent to **FIVE MILLION FIVE HUNDRED FIVE THOUSAND TWO HUNDRED FIVE PESOS (P5,505,205.00)** inclusive of all applicable government taxes, as the **Lowest Calculated and Responsive Bid (LCRB)**.

As such, you are hereby **required within ten (10) calendar days from the receipt of this Notice of Award (NOA), to formally enter into a contract with us, and to submit Performance Security** in the form and the amount stipulated in Section IV. General Conditions of Contract, Clause 3, page 20 of the Official Bidding Documents as follows:

Form of Performance Security	AMOUNT of Performance Security (Not less than the required % of the Total Contract Price)
(a) Cash or cashier/s/manager's check issued by a Universal or Commercial Bank; <u>or</u>	Five percent (5%) of the Bid or <b>P275,260.25</b>
(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; <u>or</u>	Five percent (5%) of the Bid or <b>P275,260.25</b>

**DAP MAIN OFFICE**  
 DAP Bldg, San Miguel Avenue, Pasig City 1600  
 Tel: (632) 8831 3921 | Fax: (632) 8831 2123  
 E-mail: [academy@dap.edu.ph](mailto:academy@dap.edu.ph) | <http://www.dap.edu.ph>

**DAP CONFERENCE CENTER**  
 3rd Flr, Bantay East, Tagaytay City, 4120  
 Tel: (046) 482 9810  
 E-mail: [academy@dap.edu.ph](mailto:academy@dap.edu.ph)


**DAP SA MINDANAO**  
 Lungsod, Davao City 8000  
 Tel: (982) 287-2962  
 E-mail: [academy@dap.edu.ph](mailto:academy@dap.edu.ph)


**Annex "C"- NOTICE OF AWARD .....Page 2 of 2**

Form of Performance Security	AMOUNT of Performance Security (Not less than the required % of the Total Contract Price)
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty percent (30%) of the Bid or P1,651,561.50
<p><b>NOTE:</b> The Performance Security shall be denominated in Philippine Pesos and posted in favor of the Development Academy of the Philippines, which shall be forfeited in the event it is established that <b>COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.</b> is in default in any of its obligations under the contract. (Section 39.3 of the 2016 Revised IRR of RA 9184)</p> <p>The performance security shall remain valid until issuance by the Development Academy of the Philippines of the Certificate of Final Acceptance. (Section 39.4 of the 2016 Revised IRR of RA 9184)</p>	

Failure to enter into the said contract or to provide the Performance Security shall constitute sufficient grounds for cancellation of this Award and forfeiture of your Bid Security.

Very truly yours.

  
**MAJAH-LEAH V. RAVAGO, PhD**  
 President and CEO, DAP

Conforme:   
**MR. GLENN WILFRED M. BEREDICO**  
 Business Unit Head  
**COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.**  
 Date: 13 DECEMBER 2024



**PERFORMANCE BOND**

SICI NO.: 03156495  
QC/G(13)-BDO07-0311495

**KNOW ALL MEN BY THESE PRESENTS:**

That we, **COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.**, with address at 62 ILOCOS SUR ST., QUEZON CITY, METRO MANILA as Principal, and **STRONGHOLD INSURANCE CO., INC.**-17/F Security Bank Centre, 6776 Ayala Avenue, Makati City, a corporation duly organized and existing under and by virtue of the laws of the Philippines, as Surety, are held and firmly bound unto the **DEVELOPMENT ACADEMY OF THE PHILIPPINES**, as obligee in the sum of **PESOS: ONE MILLION SIX HUNDRED FIFTY-ONE THOUSAND FIVE HUNDRED SIXTY-ONE & 50/100 (PHP 1,651,561.50)** Only, Philippine Currency, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successor, and assigns, jointly and severally firmly by these presents.

WHEREAS, The **CONDITIONS OF THIS OBLIGATIONS ARE AS FOLLOWS:**

*TO FULLY AND FAITHFULLY COMPLY/PERFORM FOR THE ONE (1) LOT SUPPLY INSTALLATION CONFIGURATION AND TESTING, INCLUDING ALL NECESSARY ACCESSORIES TO COMPLETE THE REPLACEMENT OF UNMANAGE NETWORK SWITCHES TO BRAND NEW MANAGED NETWORK CORE, DISTRIBUTION, AND ACCESS SWITCHES FOR DAP FACILITIES IN PASIG CITY. IB No.: IB24-414429-03*

WHEREAS, the liability of the Surety Company under this bond shall in no case exceed the sum of **PESOS: ONE MILLION SIX HUNDRED FIFTY-ONE THOUSAND FIVE HUNDRED SIXTY-ONE & 50/100 (PHP 1,651,561.50)** Only, Philippine Currency, inclusive of interest, attorney's fee and other damages, and shall not be liable for any advances of the Obligee to the Principal;

WHEREAS, said contract requires the said Principal to give a good and sufficient bond in the above-stated sum to secure the full and faithful performance on its part of said contract;

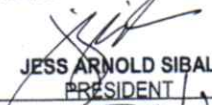
NOW THEREFORE, if the Principal shall perform well and truly fulfill all the undertakings, covenants, terms, conditions and agreements of said contract, then, the Surety shall be released from its obligation.


The liability of the surety company under this bond shall expire on **December 18, 2025** and the bond is deemed absolutely cancelled days thereafter.


IN WITNESS WHEREOF, we have set our hands and signed our names at **QUEZON CITY** this **18th** day of **December, 2024**.

**COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC**

**STRONGHOLD INSURANCE CO., INC.**  
(Surety)

  
**JESS ARNOLD SIBAL**  
PRESIDENT  
(Principal)

TIN NO 000-602-270-000  
  
**DELEGADA P. BELLEN**  
ASSISTANT VICE PRESIDENT

  
**JUSTINA FLORENDO**  
Witness

SIGNED IN THE PRESENCE OF:

  
**PAMELA LUIS**  
Witness



# STRONGHOLD

## INSURANCE COMPANY, INCORPORATED

UNIT 202 JOCKER BLDG. COMMONWEALTH AVE. QUEZON CITY, METRO MANILA, NCR  
 Tel. Nos. ; Fax. Nos.  
 VAT Reg. TIN-

### ACKNOWLEDGMENT

Republic of the Philippines }  
 QUEZON CITY}S.S.

SICI BOND NO. 03156495  
 QC/G(13)-BDO07-0311495

In QUEZON CITY Philippines, 18th day of December, 2024 personally appeared before me.

NAME	Residence Cert. No.	ISSUED	
		At	On
JESS ARNOLD SIBAL			
STRONGHOLD INSURANCE CO., INC.	00121183	MAKATI CITY	01/02/24
DELEGADA P. BELLEN	TIN NO. 170-420-047-000		

and DELEGADA P. BELLEN with Passport No. TIN NO. 170-420-047-000 issued at on for and in behalf of **STRONGHOLD INSURANCE CO., INC.** with Valid Identification No. 00121183 issued at MAKATI CITY on 01/02/24 to me known to be the same persons who signed and executed the foregoing instrument and knowledge before me that same is of their own voluntary act and deed.

In WITNESS Whereof, I have hereunto set my hand and affixed my notarial seal at the place and date first above written.

Doc. No 361 \_\_\_\_\_  
 Page No. 74 \_\_\_\_\_  
 Book No. XIV \_\_\_\_\_  
 Series of 2024 \_\_\_\_\_

ATTY. DYANDE L. G. MENDOZA  
 Commission No. M-470  
 Valid Until December 31, 2025  
 Notary Public For and in the City of Makati  
 17<sup>th</sup> floor, Security Bank Centre,  
**NOTARY PUBLIC** Makati City  
 Roll No. 89866 / IBP OR No. 414288  
 MCLE (Admitted to the bar on 12-22-2023)  
 PTR No. 5547037 / Quezon City / 1-09-2024

Republic of the Philippines }  
 QUEZON CITY}S.S.

DELEGADA P. BELLEN of STRONGHOLD INSURANCE CO., INC., having been duly sworn, states and deposes that the **STRONGHOLD INSURANCE CO., INC.** is a corporation duly organized and existing under and by virtue of the laws of the Philippines, with its principal office at Makati City and is duly authorized to execute and furnish surety bonds for all purposes within the said Philippines; and that is actually worth the amount specified in the foregoing undertaking to wit: **ONE MILLION SIX HUNDRED FIFTY-ONE THOUSAND FIVE HUNDRED SIXTY-ONE & 50/100 Pesos, (PHP 1,651,561.50)** Philippine Currency, over and above all your debts and obligations and property exempt from execution.

STRONGHOLD INSURANCE CO., INC.

By: DELEGADA P. BELLEN  
 ASSISTANT VICE PRESIDENT

Subscribed and sworn to before me this 18th day of December, 2024 at QUEZON CITY, Philippines.  
 Affiant exhibited to me his Valid Identification No. and that the Corporation, as above mentioned.

Doc. No 362 \_\_\_\_\_  
 Page No. 74 \_\_\_\_\_  
 Book No. XIV \_\_\_\_\_  
 Series of 2024 \_\_\_\_\_

**CERTIFIED TRUE COPY**

*of an original document*

Certified by: **DELEGADA P. BELLEN**  
Assistant Vice President



**Blg. 2022/14-R**  
(No.) 2022/14-R

Republika ng Pilipinas  
Republic of the Philippines  
Kagawaran ng Pananalapi  
Department of Finance  
INSURANCE COMMISSION

**ITO AY PATUNAY** na ang **STRONGHOLD INSURANCE COMPANY, INC.**  
(This is to certify that

**NG LUNGSOD NG MAKATI, PILIPINAS**

na isang  
a

pang **DI-BUHAY**  
**NON-LIFE**  
**(FIRE, MARINE, CASUALTY & SURETY)**

na kompanya ng seguro ay nakatugon sa lahat ng mga kailangang itinakda ng batas  
*insurance company, has complied with all requirements of law*

ng Pilipinas kaugnay sa gayong mga kompanya ng seguro, kung kaya pinagkakalooban  
*of the Philippines relative to such insurance companies, and it is hereby granted*

nitong **KATIBAYAN NG PAGKAMAYKAPANGYARIHAN** upang makipagnegosyo ng  
*this CERTIFICATE OF AUTHORITY to transact*

uri ng seguro na itinakda sa itaas hanggang ikalabingdalawa ng hatinggabi, ng ikatatlumpu't isang  
*the class of insurance business above set forth until twelve o'clock midnight, on the thirty-first*

araw ng Disyembre, taong dalawang libo't dalawampu't apat  
*day of December 2024*

maliban kung agad na bawiin o pigilin ng may makatuwirang dahilan.  
*unless sooner revoked or suspended for cause.)*

Bilang **KATUNAYAN NITO**, inilagda ko ang aking pangalan  
*(In WITNESS WHEREOF, I have hereunto subscribed my name*

at ikinintal ang Opisyal na Tatak ng aking Tanggapan  
*and caused my Official Seal to be affixed,*

sa Lungsod ng Maynila, Pilipinas. Ito ay may bisa  
*at the City of Manila, Philippines. This becomes*

simula ika-isa ng Enero 2022.  
*effective on 1 January 2022.)*

OR# 0529847 A  
Dated October 22, 2021  
Ps. 181, RGC-DP



**DENNIS B. FUNA**  
Insurance Commissioner



CAF NO: 24183  
DATE: 1/30/2025

**CERTIFICATE AS TO AVAILABILITY OF FUNDS**

This is to certify that there is an available source of funds for:

PAYEE	COMMSOURCE SYSTEMS AND INTEGRATED SOLUTIONS INC.
PARTICULARS	One Lot Supply, Installation, Configuration, and Testing, Including All Necessary Accessories to Complete the Replacement of Unmanaged Network Switches to Brand New Managed Network Core, Distribution, and Access Switches for DAP Facilities in Pasig City.
PCODE	SAZCT
CENTER	ICTD
DURATION	31 JANUARY 2025 TO 30 APRIL 2025
AMOUNT (In figures)	Php5,505,205.00
AMOUNT (In words)	FIVE MILLION FIVE HUNDRED FIVE THOUSAND TWO HUNDRED FIVE PESOS ONLY.

This certification is being issued in compliance with Section 86 of PD 1445 and LOI no. 968.

*Anatalia S. Barawidan*  
ANATALIA SD. BARAWIDAN  
Department Manager, Finance Department