



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE  
Fort Andres Bonifacio, Metro Manila

# **BIDDING DOCUMENTS**

**for the**

**Procurement of 1 Lot for Support for  
the ICT Requirements of PA Network  
Infrastructure**

**SIG PABAC1 012-21**

**ABC: PhP 24,340,000.00**

**Bidding Date: September 02, 2021  
@ 1: 30 P.M (Thursday)**

**Sixth Edition  
July 2020**

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## **GLOSSARY OF ACRONYMS, TERMS, AND ABBREVIATIONS**

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** – Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project** – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or – controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation,

sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** – Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

## Section I. Invitation to Bid



HEADQUARTERS  
PHILIPPINE ARMY  
**OFFICE OF THE PA BIDS AND AWARDS COMMITTEE 1**  
Fort Andres Bonifacio, Metro Manila



ITB 025-21

August 12, 2021

### INVITATION TO BID

#### Procurement of SIGNAL Items

*FUNDING SOURCE: THE GOVERNMENT OF THE PHILIPPINES (GOP) THROUGH  
GENERAL APPROPRIATIONS ACT (GAA) FOR THE YEAR 2021 OF  
THE PHILIPPINE ARMY*

1. The Philippine Army, through its procuring agent, **PABAC1** invites PhilGEPS registered suppliers to bid for the following items:

Item No.	ASA NR.	PABAC Reference Nr.	Qty	Item/ Description	Approved Budget for the Contract	Price of Bid Documents	Delivery Period
1	2600-2021-0077	SIG PABAC1 011-21	1 Lot	Procurement of 1 Lot for Support for the ICT Requirements of PA Information System Development	1,473,835.00	5,000.00	Please refer to Section VI. Schedule of requirements
2.	2600-2021-0076	SIG PABAC1 012-21	1 Lot	Procurement of 1 Lot for Support for the ICT Requirements of PA Network Infrastructure	24,340,000.00	25,000.00	

Bidders should have completed within five (5) years from the date of Submission and Receipt of Bids a Contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

2. The summary of the bidding activities is as follows:

Activity	Date	Reference Nr.	Time
Advertisement/Posting of Invitation to Bid	August 12, 2021		
Issuance and Availability of Bid Documents	August 13, 2021		
Pre –Bid Conference	August 20, 2021	SIG PABAC1 011-21	1330H
		SIG PABAC1 012-21	IF
Last day of Submission of Written Clarification	August 14, 2021		
Last day of Issuance of Bid Bulletin	August 14, 2021		

Deadline of Submission	September 02,2021	SIG PABAC1 011-21	1330H
		SIG PABAC1 012-21	IF
Opening of Bids	Immediately after the Deadline of Submission of Bids		

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184 otherwise known as the “Government Procurement Reform Act”.

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of RA No. 9184.

4. Prospective Bidders may obtain further information from PABAC1 Secretariat and inspect the Bidding Documents as posted on the Website of the Philippine Army and the PHILGEPS at the address given below during office hours from 8:00 am to 4:00 pm

5. A complete set of Bidding Documents may be acquired/purchased by interested Bidders and must submit a letter of Intent (LOI) starting **August 13, 2021** during office hours (8:00 am - 4:00 pm) from the given address and websites below upon payment of non-refundable fee at the Collecting Officer, Finance Center, Philippine Army, Fort Andres Bonifacio, Metro Manila.

The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person, by facsimile, or through electronic means.

6. The Philippine Army through PABAC1 will hold a Pre-Bid Conference on **August 20, 2021; 1:30 P.M** through Virtual Tele Conference (VTC) via zoom at the PABAC1 Conference Room, Fort Andres Bonifacio, Taguig City, M.M. which shall be open to all prospective bidders.

To reduce the risks and hazards of community transmission of COVID-19, the BAC shall conduct meetings and conferences via video-conferencing until further notice, or until such time that the state of calamity, or implementation of community quarantine or similar government restrictions shall have been lifted by the proper government authorities.

The prospective bidders are advised to first log and wait for further advice to join the BAC meeting room, the link of which shall be provided to the prospective bidders before the start of the Pre-bid Conference.

7. Bids must be duly received by the PABAC1 Secretariat through manual submission at the office address indicated below on or before **September 02, 2021; 1:30 P.M.** Late bids shall not be accepted.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.

9. Bid opening shall be on **September 02, 2021; 1:30 P.M.** through Virtual Tele Conference (VTC) via zoom at the PABAC1 Conference Room, Fort Andres Bonifacio, Taguig City, M.M. **Link will be given 30minutes before the meeting.** Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.

10. The Philippine Army reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

11. For further information, please refer to:

**Office of the Philippine Army Bids and Awards Committee 1**  
Fort Andres Bonifacio, Metro Manila

**LTC DANIEL R DUMALAG (QMS) PA**

**Head, PABAC1 Secretariat**

E-mail Address: [pabacsec@gmail.com](mailto:pabacsec@gmail.com)

Telephone Nr. (02) 845-9555 loc 6891 & 6893

Mobile Nr. Globe # 09774880012 Smart # 09993211164

12. You may visit the following websites:

For downloading of Bidding Documents:

- [philgeps.gov.ph](http://philgeps.gov.ph)
- [army.mil.ph](http://army.mil.ph)

Date of Issue: \_\_\_\_\_

**Signed**  
**ROSALIO G POMPA**  
Brigadier General PA  
Chairperson



## Section II. Instruction to Bidders

### 1. Scope of Bid

The Procuring Entity, **Philippine Army** wishes to receive Bids for the **Procurement of 1 Lot for Support for the ICT Requirements of PA Network Infrastructure** under **SIG PABAC 012-21**.

The Procurement Project (referred to herein as "Project") is composed of **one lot**, the details of which are described in Section VII (Technical Specifications).

### 2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2021** in the amount of **Twenty Four Million Three Hundred Forty Thousand Pesos (PhP 24,340,000.00)**.

2.2. The source of funding is **The General Appropriations Act**.

### 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

### 4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

### 5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

- 5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
- i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
  - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
  - iii. When the Goods sought to be procured are not available from local suppliers; or
  - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
- a. For the procurement of Non-Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to **at least fifty percent (50%)** of the ABC.; or
  - b. The Bidder should comply with the following requirements:
    - i. Completed **at least two (2) similar contracts**, the aggregate amount of which should be equivalent to **at least fifty percent (50%)** in the case of expendable supplies of the ABC for this Project; and
    - ii. The largest of these similar contracts must be equivalent to **at least half of the percentage** of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## 6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## 7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that **Subcontracting is not allowed.**

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address indicated herein and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## 10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within the last five (5) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## 11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## 12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and,
    - iv. The price of other (incidental) services, if any, listed in e.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
    - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

## 13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in **Philippine Pesos**.

## 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until **one hundred twenty (120) calendar days from the date of opening of bids**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

## 15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

## 16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## 17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## 18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## 19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated “*passed*,” using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as: **One Project having several items that shall be awarded as one contract.**
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## 20. Post-Qualification

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## 21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

## Section III. Bid Data Sheet

ITB Clause	
5.2	Foreign Bidders must be duly represented by an <b>authorized local representative</b> .
5.3	<b>For this purpose, contracts similar to the Project shall mean “Procurement of Information Communication Technology (ICT) Equipment”</b> which must be completed within five (5) years prior to the deadline of the submission and receipt of bids.
7.1	<b>Subcontracting is not allowed.</b>
10	For foreign bidders, the equivalent document/s issued by the appropriate authority in the country of origin of the bidder concerned must be presented. If said document has no appropriate equivalent, a Certificate of Inexistence of Appropriate Foreign Equivalent may be submitted.  The Local Representative of Foreign Bidders shall also submit PhilGEPS Certificate of Registration (Platinum Membership).  In case of a Joint Venture, each JV partner shall submit the required Legal Documents.
12	For the given scope of work in this Contract as awarded, all bid prices are considered fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances and upon prior approval of the GPPB in accordance with Section 61 of R.A. 9184 and its IRR.
12.1	The price of the Goods shall be quoted <b>Delivered-Duty-Paid (DDP)</b> to be delivered at: <b>Signal Warehouse, Army Support Command, Philippine Army, Fort Andres Bonifacio, Metro Manila, Philippines or Signal Warehouse, Army Support Command, Philippine Army, Camp Aquino, Tarlac, Philippines.</b>
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:  a. The amount of not less than <b>Four Hundred Eighty Six Thousand Eight Hundred Pesos (PhP486,800.00)</b> which is equivalent to two percent (2%) of ABC, if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit; <b>or</b>  b. The amount of not less than <b>One Million Two Hundred Seventeen Thousand Pesos (PhP1,217,000.00)</b> which is equivalent to five percent (5%) of ABC, if bid security is in Surety Bond.  Note: <ul style="list-style-type: none"> <li>• The bid security shall be payable to the Procuring Entity, however, if it is in the form of a manager’s check, it shall be payable to the</li> </ul>

	Collecting Officer, Finance Center, PA.																																																		
15	<p>Each Bidder shall submit <b>one (1) original and two (2) photocopies</b> of the first and second components of its bid with proper tabbing.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>The Bid shall be signed on every page and/or initialed by the duly authorized representative/s of the bidder to include all photocopies. Any document that was not signed and/or initialed by the authorized representative/s of the bidder shall be a ground for disqualification.</li> </ul>																																																		
18	Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.																																																		
19.3	<p>The Project shall be awarded as <b>one contract</b>.</p> <table border="1"> <thead> <tr> <th>Lot</th> <th>Description</th> <th>Qty</th> <th>ABC (Pesos)</th> </tr> </thead> <tbody> <tr> <td rowspan="14">1</td> <td>Laptop</td> <td>4 pcs</td> <td>400,000.00</td> </tr> <tr> <td>Mobile Laptop</td> <td>2 pcs</td> <td>160,000.00</td> </tr> <tr> <td>L2 Switch (Manageable switch)</td> <td>22 pcs</td> <td>1,760,000.00</td> </tr> <tr> <td>Firewall XG</td> <td>2 pcs</td> <td>2,600,000.00</td> </tr> <tr> <td>Core Switch</td> <td>2 pcs</td> <td>5,200,000.00</td> </tr> <tr> <td>L2 Switch (Manageable switch) 10G SFP Link</td> <td>15 pcs</td> <td>2,250,000.00</td> </tr> <tr> <td>L2 Switch (Manageable switch) 1G SFP Link</td> <td>13 pcs</td> <td>1,040,000.00</td> </tr> <tr> <td>10G Gbic SFP link (for Distribution switch)</td> <td>56 pcs</td> <td>4,480,000.00</td> </tr> <tr> <td>Fiber Optic (4core) SM</td> <td>7000 mtrs</td> <td>3,500,000.00</td> </tr> <tr> <td>Fiber Optic (12core) SM</td> <td>5000 mtrs</td> <td>2,500,000.00</td> </tr> <tr> <td>Fusion Machine for Fiber Optic</td> <td>1 pc</td> <td>250,000.00</td> </tr> <tr> <td>Fiber Optic Tester</td> <td>2 pcs</td> <td>100,000.00</td> </tr> <tr> <td>Moldings and Other Peripherals</td> <td>1 pc</td> <td>100,000.00</td> </tr> <tr> <td colspan="3"><b>TOTAL</b></td> <td><b>24,340,000.00</b></td> </tr> </tbody> </table>			Lot	Description	Qty	ABC (Pesos)	1	Laptop	4 pcs	400,000.00	Mobile Laptop	2 pcs	160,000.00	L2 Switch (Manageable switch)	22 pcs	1,760,000.00	Firewall XG	2 pcs	2,600,000.00	Core Switch	2 pcs	5,200,000.00	L2 Switch (Manageable switch) 10G SFP Link	15 pcs	2,250,000.00	L2 Switch (Manageable switch) 1G SFP Link	13 pcs	1,040,000.00	10G Gbic SFP link (for Distribution switch)	56 pcs	4,480,000.00	Fiber Optic (4core) SM	7000 mtrs	3,500,000.00	Fiber Optic (12core) SM	5000 mtrs	2,500,000.00	Fusion Machine for Fiber Optic	1 pc	250,000.00	Fiber Optic Tester	2 pcs	100,000.00	Moldings and Other Peripherals	1 pc	100,000.00	<b>TOTAL</b>			<b>24,340,000.00</b>
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20.2	<p><b>Post-Qualification Requirements:</b> In accordance with Section 34.2 the 2016 Revised IRR of RA No 9184, the Bidder shall submit the following documents within a non-extendible period of <b>five (5) calendar days</b> from receipt of the notice from the BAC that it is the LCB/SCB:</p> <table border="1"> <thead> <tr> <th>TAB</th> <th>Additional Post Qualification Requirements</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PhilGEPS Certificate of Registration (Platinum Membership), if not submitted during bid opening</td> </tr> <tr> <td>B</td> <td> <p>Attachments of PhilGEPS (Platinum) Registration:</p> <ol style="list-style-type: none"> <li>Registration Certificate from Securities and Exchange Commission (SEC) for corporations, Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document</li> <li>Current and valid Mayor’s Permit or Business Permit</li> <li>Tax Clearance Certificate per Executive Order 398, Series of 2005</li> </ol> </td> </tr> </tbody> </table>			TAB	Additional Post Qualification Requirements	A	PhilGEPS Certificate of Registration (Platinum Membership), if not submitted during bid opening	B	<p>Attachments of PhilGEPS (Platinum) Registration:</p> <ol style="list-style-type: none"> <li>Registration Certificate from Securities and Exchange Commission (SEC) for corporations, Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document</li> <li>Current and valid Mayor’s Permit or Business Permit</li> <li>Tax Clearance Certificate per Executive Order 398, Series of 2005</li> </ol>																																										
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		4. Latest Audited Financial Statement
	C	Latest Income and Business Tax Returns filed and paid through the BIR Electronic Filing and Payment System (eFPS)
	D	Supporting documents for the Ongoing Government/Private Contracts: <ul style="list-style-type: none"> <li>• Notice of Award, Notice to Proceed, Contract, Purchase Order or its equivalent issued by the end-user</li> </ul>
	E	Supporting documents for the Single Largest Completed Contract: <ol style="list-style-type: none"> <li>1. Notice of Award, Notice to Proceed, Contract, Purchase Order or its equivalent issued by the end-user; <b>and</b></li> <li>2. Certificate of Completion and/or Technical Inspection and Acceptance Committee (TIAC) Report, Sales Invoices with Official Receipts, End-User’s Acceptance or its equivalent provided that the same expressly states that the Goods were received in good condition.</li> </ol>
	F	Certificate of Notarial Commission of the lawyer who notarized the documents submitted by the bidder
	G	Company Profile
	H	Certificate from HAFPPS that Bidder is not a Blacklisted
		<p>Note:</p> <ul style="list-style-type: none"> <li>• Failure to submit the following requirements on time or a finding against the veracity of such shall be ground for the forfeiture of the bid security and disqualify the bidder for award.</li> </ul>
21.1		<p>Additional Contract Document/s:</p> <ul style="list-style-type: none"> <li>• Applicable to Foreign Bidders:                     <ol style="list-style-type: none"> <li>a. SEC Certificate of Registration of the Foreign Corporation, or the SEC Certificate of Registration of the Foreign consulting firm, and/or the authority or license from the appropriate Government Agency or Professional Regulatory Body of the Foreign Professionals engaging in the practice of regulated professionals and allied professions, where applicable, to be submitted within ten (10) calendar days from receipt of the Notice of Award, pursuant to GPPB Resolution No 25-2019 dated 30 October 2019.</li> </ol> </li> </ul>

## Section IV. General Conditions of Contract

### 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

### 2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

### 3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

### 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity

shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## Section V. Special Conditions of the Contract

GCC Clause	
	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><b><i>For Goods Supplied from Abroad:</i></b>                      The delivery terms applicable to the Contract are “<b>Delivered-Duty-Paid</b>” (DDP) <b>Signal Warehouse, Army Support Command, Philippine Army, Fort Andres Bonifacio Metro Manila, Philippines or Signal Warehouse, Army Support Command, Philippine Army, Camp Aquino, Tarlac, Philippines</b>” in accordance with INCOTERMS.</p> <p><b><i>For Goods Supplied from Within the Philippines:</i></b>                      “The delivery terms applicable to this Contract are delivered <b>Signal Warehouse, Army Support Command, Philippine Army, Fort Andres Bonifacio Metro Manila, Philippines or Signal Warehouse, Army Support Command, Philippine Army, Camp Aquino, Tarlac, Philippines</b>”. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in <b>Section VI. Schedule of Requirements</b>.</p> <p>The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p><b><i>For Goods supplied from within the Philippines:</i></b>                      Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <ul style="list-style-type: none"> <li>- Original and four copies delivery receipt/note, railway receipt, or truck receipt;</li> <li>- Original Supplier’s factory inspection report;</li> <li>- Original and four copies of the Manufacturer’s and/or Supplier’s warranty certificate;</li> <li>- Original and four copies of the certificate of origin (for imported Goods);</li> <li>- Delivery receipt detailing number and description of items received signed by the authorized receiving personnel; and</li> </ul>

- Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site.

***For Goods supplied from abroad:***

Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:

- Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- Original and four copies of the negotiable, clean shipped on-board bill of lading marked "freight pre-paid" and five copies of the non-negotiable bill of lading;
- Original Supplier's factory inspection report;
- Original and four copies of the Manufacturer's and/or Supplier's warranty certificate;
- Original and four copies of the certificate of origin (for imported Goods);
- Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site; and
- Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site.

**For purposes of this Clause the Procuring Entity's Representative at the Project Site is: PA TIAC, APAO, OAFM.**

**Incidental Services –**

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:

- furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates

charged to other parties by the Supplier for similar services.

**Packaging – (Annex 4-C)**

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the GOODS' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

- Name of the Procuring Entity
- Name of the Supplier
- Contract Description
- Final Destination
- Gross weight
- Any special lifting instructions
- Any special handling instructions
- Any relevant HAZCHEM classifications

A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.

The packaging, marking, and documentation shall be in accordance with the manufacturer's standard.

**Insurance –**

The Goods supplied under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The Goods remain at the risk and title of the Supplier until their final acceptance by the Procuring Entity.

**Transportation –**

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available, but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered <i>force majeure</i> in accordance with <b>GCC</b> Clause 22.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP Deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Intellectual Property Rights –</b></p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
<p>2.2</p>	<p>Payment shall be made by <b>Check for local Supplier, or through irrevocable Letter of Credit (LC) in case of foreign supplier/manufacturer.</b></p> <p>In case payment shall be made by LC, the Procuring Entity shall open the irrevocable LC in favor of the Supplier in accordance with the terms provided below in an Authorized Government Depository Bank after the approval of the Contract by the HOPE and cash transfer from the PA to the Authorized Government Depository Bank, to wit:</p> <p>a. Mode of Transmission: Full cable telex/S.W.I.F.T;</p>

	<p>b. Advising and/or Confirmation: LC may be advised and/or confirmed by any bank to be identified by the Supplier, at the latter's sole expense;</p> <p>c. Payee Bank: The LC draft (if any) shall be drawn on the confirming bank;</p> <p>d. Beneficiary: <i>[Insert name and address of Supplier with Point of Contact]</i>;</p> <p>e. Currency and Amount of LC: LC shall be in Philippine Peso, in an amount equivalent to the Total Contract Price. The 95% of the amount of LC shall be released upon completion of all the required documents enumerated in SCC Clause 2.2(f) of the Bidding Documents and the 5% shall be released upon expiration of the warranty period provided in SCC Clause 5.1 in the Bidding Documents;</p> <p>f. The terms of payment shall be as follows: <b>“One Time Payment”</b> to the Supplier at the time of the final acceptance of the Goods by the Procuring Entity made in accordance with Section VI. Schedule of Requirements, and the submission or presentation of the following documents:</p> <ol style="list-style-type: none"> <li>i. Supplier's invoice showing Goods' description, quantity, unit price, and total amount;</li> <li>ii. Negotiable, clean shipped on-board Bill of Lading marked "Freight Pre-Paid" and/or "Non-Negotiable Bill of Lading" or "Airway Bill";</li> <li>iii. Original Supplier's factory inspection report or certificate of pre-delivery test and inspection report by PA TIAC (as applicable);</li> <li>iv. Manufacturer's and/or Supplier's warranty certificate;</li> <li>v. Certificate of Origin (for imported GOODS);</li> <li>vi. Delivery Receipt detailing number and description of items received signed by the Procuring Entity's representative at the Delivery Site;</li> <li>vii. Certificate of Acceptance by the PA Technical Inspection and Acceptance Committee (PA TIAC).</li> </ol> <p>Note:</p> <ul style="list-style-type: none"> <li>• Payments shall be made only upon a certification by the <b>HoPE</b> to the effect that the Goods have been <b>rendered</b> or <b>delivered</b> in accordance with the prescribed delivery schedule of this Contract and have been duly <b>inspected</b> and <b>accepted</b>.</li> </ul>
<p>4</p>	<p>The inspections and tests that will be conducted are:</p> <p><b>A. POST-QUALIFICATION</b> involving documents validation, testing and/or manufacturer's plant visit and inspection shall be conducted by the Procuring Entity or its designated representatives (PQ Team) in</p>



	<p>order to determine the compliance to the requirements of the end-user as required in the bidding documents. Expenses incurred related hereto particularly travel and board and lodging expenses shall be borne by the Procuring Entity.</p> <p>Considering the travel restrictions brought by COVID-19 outbreak, the alternative PQI may be conducted through “table post qualification” and/or by VTC or other electronic means; and the adoption of previous PQ Reports with independent referencing even beyond six (6) months validity period.</p> <p>Conduct of Post Qualification abroad is subject to the issued guidelines regarding Foreign Travel of Public Official/Officers during State of Calamity or Implementation of Community Quarantine or Similar Restrictions. Considering restrictions for foreign travel during the quarantine period, the Procuring Entity or PQ Team may conduct “table post qualification” within the office, or utilize the Office of the Philippine Defense and Armed Forces Attaché (OPhilDAFA) of the country where the foreign bidder/proponent is based to conduct post qualification.</p> <p><b>B. FINAL INSPECTION AND ACCEPTANCE</b> will be at the Delivery Site. Completeness and appropriateness of the delivered goods, visual inspection and/or random sampling based on the required test criteria and list of required samples shall be conducted by the Procuring Entity’s representative (PATIAC) at the delivery site at the soonest time possible. Expenses incurred related hereto particularly travel and board and lodging expenses shall be borne by the Procuring Entity. After completion of the inspection, the inspection team shall furnish the following reports:</p> <ol style="list-style-type: none"> <li>1. Final Inspection and Acceptance Report by the TIAC;</li> <li>2. OAFM Inspection Report;</li> <li>3. SAO/APAO Acceptance Report;</li> </ol>
<p>5.1</p>	<p>The warranty shall be covered by, either retention money in an amount equivalent to <b>five percent (5%)</b> of the Contract Price, or a special bank guarantee equivalent to <b>five percent (5%)</b> of the Contract Price in favor of the Armed Forces of the Philippines.</p> <p>The warranty period shall be two (2) years after acceptance by the Procuring Entity of the Delivered Goods.</p> <p>The Obligation for the warranty shall only be released after the lapse of the warranty period.</p> <p>The goods to be delivered must have been manufactured not more than <b>one (1) year</b> from the date of delivery.</p>

5.2	<p>The period for repair or replacement for the defective goods or parts thereof shall be within <b>Thirty (30) Calendar Days</b> upon receipt of the Notice of Defects.</p> <p>The Procuring Entity through the TIAC may invoke for warranty claims for the Goods or any part thereof that fail to conform to the specifications within the warranty period. The Supplier shall either rectify or replace such defective Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall inspect the rectified/replaced goods, at no cost to the Procuring Entity, upon giving a notice pursuant to GCC Clause 5.2.</p>
6	<p>When the supplier fails to satisfactorily deliver the goods or services under the contract within the specified delivery schedule or project implementation schedule, inclusive of duly granted time extensions, if any, the supplier shall be liable for damages for the delay and shall pay the Procuring Entity liquidated damages, not by way of penalty, for every day of delay until such goods or services are finally delivered or performed and accepted by the Procuring Entity concerned.</p> <p>The amount of the liquidated damages shall be at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the Procuring Entity may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances.</p>

## Section VI. Schedule of Requirements

ITEM NR	Description	Qty	DELIVERY PERIOD	DELIVERY PLACE
1	Laptop	4 pcs	One Hundred Twenty (120) Calendar Days upon receipt of NTP	Signal Warehouse, Army Support Command, Philippine Army, Fort Andres Bonifacio, Metro Manila, Philippines or Signal Warehouse, Army Support Command, Philippine Army, Camp Aquino, Tarlac, Philippines
	Mobile Laptop	2 pcs		
	L2 Switch (Manageable switch)	22 pcs		
	Firewall XG	2 pcs		
	Core Switch	2 pcs		
	L2 Switch (Manageable switch) 10G SFP Link	15 pcs		
	L2 Switch (Manageable switch) 1G SFP Link	13 pcs		
	10G Gbic SFP link (for Distribution switch)	56 pcs		
	Fiber Optic (4core) SM	7000 mtrs		
	Fiber Optic (12core) SM	5000 mtrs		
	Fusion Machine for Fiber Optic	1 pc		
	Fiber Optic Tester	2 pcs		
	Moldings and Other Peripherals	1 pc		
2	Installation Services - Assembly of Hardware Components, Installation and Configuration of Operating System - License Certificate			
3	Project Sign-off - Project Documentation			

# Section VII. Technical Specifications

*By 2028, a world-class Army that is a source of national pride.*

SPECS for COMPUTERS  
AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR  
COMMAND AND CONTROL, COMMUNICATIONS, AND CYBER SYSTEMS, G6  
Fort Andres Bonifacio, Metro Manila**

PA SPECS NR: ICT 01-04-2021

### TECHNICAL SPECIFICATIONS FOR COMPUTERS AND END-DEVICES

- 1. Computer
  - 1.1 Desktop Computer
    - 1.1.1 Entry Level

<b>Application:</b>	Intended for use on HPAG Office Productivity and PA Information System Development Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i5 –latest generation
Graphics	Intel UHD Graphics
Display	21-inch display monitor
Memory	8GB DDR4
Storage	1TB HDD SATA 256GB SSD
Optical Drive	DVD Writer (Optional)
Input	Keyboard and Mouse
Interfaces/Ports	2x USB 2.0, 5x USB 3.0
Network and Communication	Bluetooth 5.0, Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Power Supply	Automatic Voltage Regulator 500W
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Manual USB Wired Keyboard and Mouse
Warranty	One (1) year warranty

#### 1.1.2 High End

<b>Application:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 –latest generation
Graphics	RTX3060 Graphics Card
Display	21-inch display monitor



Page 1 of 8  
Procurement of Computers and End-Devices

**Honor. Patriotism. Duty.**

*By 2028, a world-class Army that is a source of national pride.*

SPECS for COMPUTERS  
AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

Memory	64GB DDR4
Storage	4TB HDD SATA 512GB SSD
Optical Drive	DVD Writer (Optional)
Input	Keyboard and Mouse
Interfaces/Ports	2x USB 2.0, 5x USB 3.0, Bluetooth 5.0
LAN Card	4 Port Gigabit Ethernet 10/100/1000M PCI-E PCI Express To 4X Gigabit Ethernet Network Card LAN Adapter
Power Supply	Automatic Voltage Regulator 700W
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Manual USB Wired Keyboard and Mouse
Warranty	One (1) year warranty

1.2 Laptop

1.2.1 Entry Level

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i5 –latest generation
Graphics	Dedicated GPU
Display	14-inch FHD
Memory	8GB DDR4
Storage	1TB HDD 256GB SSD
I/O Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Input	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours runtime
Camera	Built-In Web Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi 802.11 a/b/g/n/ac/Yes Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

1.2.2 Mid-range



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<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 – latest generation
Graphics	Dedicated Graphics Processing Unit (GPU)
Display	15.6-inch Full-HD In-Plane Switching (IPS)
Memory	8GB DDR4
Storage	1TB HDD 512GB SSD
I/O Ports	HDMI USB 3.0 Type A USB 2.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Input	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours run time
Camera	Built-in HD Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi IEEE 802.11ax Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

1.2.3 High-end

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 – latest generation
Graphics	Dedicated Graphics Processing Unit (GPU)
Display	15.6-inch Full-HD In-Plane Switching (IPS)
Memory	16GB DDR4
Storage	1TB HDD 1TB SSD
I/O Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Keyboard and Touchpad	Built-in Keyboard and Touchpad

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Battery	Lithium Ion At least 8 hours run time
Camera	Buil-in HD Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi 6(802.11ax) Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

2. Printer

2.1 Multifunction Printer

APPLICATION:	Intended for use on HPAG Office Productivity
TECHNICAL DATA	REQUIREMENT
Functions	Print, Copy, Scan, Fax
Print Technology	Thermal Inkjet
Print Speed	Black (A4, ISO): Up to 24 ppm; Colour (A4, ISO): Up to 20 ppm; Draft black (A4): Up to 36 ppm; Draft colour (A4): Up to 36 ppm
Print Resolution	Black (best): Up to 1200 x 1200 optimised dpi on plain paper from 600 x 600 input dpi; Colour (best): Up to 2400 x 1200 optimised dpi on Photo Paper 600 x 600 dpi input;
Number of supplies	4 (1 each black, cyan, magenta, yellow)
Duplex Printing	Automatic
Copy Speed	Black (A4, ISO): Up to 22 cpm; Colour (A4, ISO): Up to 16 cpm
Scan Speed	Normal (A4): Up to 19 ipm (200 ppi, monochrome); Up to 8 ipm (200 ppi, colour); Duplex (A4): Up to 23 ipm (200 ppi, monochrome); Up to 12 ipm (200ppi, colour)
Scanner Specifications	Scanner type: Flatbed, ADF; Scan input modes: Front-panel scan, copy, fax, or from software; Twain version: Version 1.9; Scan size maximum (flatbed, ADF): 216 x 356 mm; Optical scan resolution: Up to 1200 dpi
Bit depth/ Grey scale levels	24bit/256
Fax	Yes, Color
Fax Specifications	Fax memory: Up to 100 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi, 256 levels of grey;
Processor Speed	1.2Ghz



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Connectivity	Standard: USB 2.0; Host USB; Ethernet; Wireless 802.11b/g/n; RJ-11modem ports;
Wireless	Built-in Ethernet, Wi-Fi 802.11b/g/n
Memory	512MB
Number of Paper Trays	Standard: 1; Maximum: Up to 2
Media Size	Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm Supported (metric): A4, A5, A6, B5 (JIS); Envelope (DL, C5, C6)
Input Capacity	Standard: Up to 250 sheets Maximum: Up to 500 sheets ADF: Standard, 50 sheets
Output Capacity	Standard: Up to 150 sheets Envelopes: Up to 25 envelopes Labels: Up to 60 sheets Cards: Up to 65 cards Maximum: Up to 150 sheets
Compatible Operating Systems	Windows 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CDROM/ DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Apple OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB available hard disk space; Internet required;
Power	Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz; Consumption: 35 watts maximum, 0.14 watts (manual-off), 7.20 watts (standby), 1.30 watts (sleep); Power supply type: Built-in power supply;
Inclusions	All-in-one Printer; Black Ink Cartridge Cyan Ink Cartridge Magenta Ink Cartridge Yellow Ink Cartridge Power cord; Manual
Warranty:	One (1) year warranty

**2.2 Printer with Scanner**

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Technology:	
Printing Method	Print head
Ink Technology	Inkjet



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Printing Resolution	5,760 x 1,440 dpi
Print:	
Printing Speed	10 pages/min Monochrome, 5 page/min Colour
Maximum Printing Speed	33 pages/min Monochrome (plain paper), 15 pages/min Colour (plain paper), 69 seconds per 10 x 15 cm photo
Scan:	
Scanning Resolution	1,200 dpi x 2,400 dpi (Horizontal x Vertical)
Scanner Type	Contact Image Sensor (CIS)
Paper / Media Handling:	
Number of Paper Trays	1
Paper Formats	A4, A6, B5, 10 x 15 cm, 13 x 18 cm, 16:9, DL (Envelope), C6 (Envelope), Letter, User defined, Legal
Duplex	Manual
Paper Tray Capacity	200 sheets Standard, 20 Photo sheets
General:	
Energy Use	12 W
Compatible Operating System	MAC OS 10.6.8 or later, Windows 10 / 8.1 / 8 / 7 / Vista / XP
Interface	USB 2.0, WIFI IEEE 802.11, WIFI Direct
WLAN Security	WEP 64-bit, WEP 128-bit, WPA PSK
Warranty	One (1) year warranty

2.3 Photocopier, Printer and Scanner

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Technology:	
Printing Method	Print head
Ink Technology	Pigment black and Dye colour inks
Printing Resolution	4,800 x 1,200 dpi
Print:	
Printing Speed	17 pages/min Monochrome, 9 pages/min Colour
Maximum Printing Speed	38 pages/min Monochrome (plain paper), 24 pages/min Colour (plain paper), 69 seconds per 10 x 15 cm photo
Scan:	
Scanning Resolution	1,200 dpi x 2,400 dpi (Horizontal x Vertical)
Scanner Type	Contact Image Sensor (CIS)
Fax:	
Fax Speed Dials (max)	100 names and numbers
Page Memory	Up to 100 pages
Fax Functions	PC Fax, Auto Redial, Address Book, Broadcast Fax, Fax Preview
Paper / Media Handling:	
Number of Paper Trays	1
Paper Formats	A4, A6, B5, 10 x 15 cm, 13 x 18 cm, DL (Envelope), C6 (Envelope), Letter, User defined, Legal
Duplex	Yes (A4, plain paper)
Paper Tray Capacity	250 sheets Standard
General:	

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Energy Use	12 W
Compatible Operating System	MAC OS 10.6.8 or later, Windows 10 / 8.1 / 8 / 7 / Vista / XP, Windows Server 2012 R2 / 2016 / 2003
Interface	USB 2.0, WIFI IEEE 802.11, WIFI Direct
WLAN Security	WEP 64-bit, WEP 128-bit, WPA PSK
Panel	Touchscreen

3. Server

3.1 Rock Mount Server

APPLICATION:	Intended for use on Enhancement of PA Network (PANET)
TECHNICAL DATA	REQUIREMENT
Model	PowerEdge R740
Processor	2 x Intel Xeon Silver 4210r 2.4G
Memory	64GB DDR4 RDIMM
Network Controller	Embedded 2-Port 1GbE Ethernet adapter
Storage Controller	Smart Array B440ar/2G Controller
SSD	2x 240GB SSD SATA 2.5in Hot-Plug Hard drive
Hard Drive	4 x 1.2tb SAS 2.5in Hot-Plug Hard drive
Optical Drive Bay	Optional SFF media Cage kit
Optical Drive	9.5mm SATA DVD-Rom
Power Supply	1 x 500W ATX Power Supply
Form Factor	2U Rack
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business days response
Operating System	Windows Server STD Core 2019 Single OLP NL Core License with CAL
Accessories	21-inch Monitor, USB Keyboard and Mouse

3.2 Blade Server

APPLICATION:	Intended for use on PA Payroll System
TECHNICAL DATA	REQUIREMENT
Processor	Intel Xeon E5-2620v (2.1Ghz, 8 Core, 20MB, 85)
Memory	32 GB
Network Controller	Embedded 2-Port 1GbE Ethernet adapter
Storage Controller	Smart Array B440ar/2G Controller
Hard drive	8 x HPE 1TB SAS 12G Midline 7.2K SFF (2.5in)
Internal Storage	up to (8) SFF SAS HDD Bays Hot plug, upgradable to 48
Optical Drive Bay	Optional SFF media Cage kit
Optical Drive	9.5mm SATA DVD-Rom
Power Supply	1 x 500W ATX Power Supply
Form Factor	2U Rack
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business days response
Operating System	Windows Server STD Core 2019 Single OLP NL Core License with CAL
Accessories	21-inch Monitor, USB Keyboard and Mouse

3.3 Expansion Server

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<b>APPLICATION:</b>	Intended for use Signal Equipment Management Information System
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Storage Expansion Enclosure	IBM Spectrum Virtualize Software
Software	Web-based GUI
User Interface	10Gb iSCSI, 1Gb iSCSI / 16Gb Fibre Channel / 12 Gb SAS / 10 Gb iSCSI/Fibre Channel over Ethernet (FCOE)
Connectivity	Small form-factor 2.5-inch disk drives
Drive	0, 1, 5, 6, 10, Distributed
Raid Levels	Fully redundant, hot-swappable
Fans and Power Supplies	Standard 19-inch
Rack Support	Embedded GUI
Advanced Functions	Virtualization of internal storage
Compatibility	Data reduction pools with thin provisioning, unmap and reduplication
Warranty	One-way data migration
Disk Drive	Dual-system clustering
Operating System	Easy Tier

Prepared By:


Noted By:

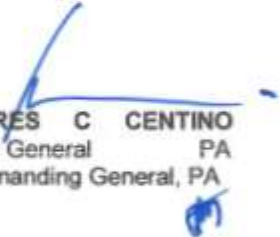
  
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**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR  
COMMAND AND CONTROL, COMMUNICATIONS, AND CYBER SYSTEMS, G6  
Fort Andres Bonifacio, Metro Manila**

PA SPECS NR: ICT-02-04-2021

**TECHNICAL SPECIFICATIONS FOR  
NETWORK MEDIA TOOLS AND DEVICES**

- 1. Network Media Devices
  - 1.1 Fiber Optic Cable
    - 1.1.1 Fiber Optic Cable

TECHNICAL DATA	REQUIREMENT
Type	Single Mode
Strand	4 Cores
Structure	Armored

- 1.1.2 Fiber Optic Cable

TECHNICAL DATA	REQUIREMENT
Strand	12 Cores
Structure	Armored

- 2. Network Media Tools
  - 2.1 Fiber Optic Fusion Machine

TECHNICAL DATA	REQUIREMENT
Applicable Fibers	Single Mode Multi-Mode Dispersion-Shifted Fiber (DSF) Cut-off Shifted Fiber Non-Zero Dispersion-Shifted Fiber (NZD) Bend Insensitive Fiber Ultra Bend Insensitive Fiber
Cladding Diameter	80 - 150 µm
Fiber Cleave Length	5 - 16 mm
Average Splice Loss	Single Mode: 0.02dB maximum Multi-Mode: 0.01dB maximum DSF: 0.04dB maximum NZD: 0.04dB maximum



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Splice Time	9 seconds maximum
Splice Programs	300 minimum
Automatic Splicing Selection	Available
Heat Programs	100 minimum
Splice Programs	300 minimum
Automatic Splicing Selection	Available
Heat Programs	100 minimum
Automatic Heating Start	Available
Applicable Sleeves	20/40/60 mm
Fiber Holder	Tight Holder (loose tube applicable) or Removable Fiber Holder System
Tension Test	1.96 N
Splice Return Loss	70 dB or more
Attenuation Splice Function	Intentional high splice loss of 0.1dB to 15dB(0.1dB step) can be made for an inline fixed attenuator
Fiber Image Magnification	104X, 278X, 556X
Splice Result Storage	20,000 minimum
Image Capture Capacity	Last 100 images to be automatically captured + up to 100 images to be stored permanently
Dimension	Width: 179 mm (±2) Depth: 246 mm (±2) Height: 131 mm (±2)
Weight	2.0 kg maximum
Monitor	4.3" wide minimum Colored LCD monitor with Touch Screen
Propulsion (motor)	8 N (designed value)
Data Output	Supports USB 2.0 or higher
Battery Capacity	Typical 220 splice/heat cycles, 90sec/cycle
Altitude	Up to 5000 m



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Wind Protection	15 m/s
Operating Temperature	-10 to + 50 °C (without excessive humidity)
Storage Temperature	-40 to +60 °C (without excessive humidity)
Humidity	0 to + 95% RH (non-condensing)
Power Source	AC Input 100 to 240V (50/60Hz), DC Input 11 to 24 V
Features	<ul style="list-style-type: none"> <li>• Illumination lamp</li> <li>• Detachable V-Groove</li> <li>• WiFi Networking: Communication between splicer and smartphone</li> <li>• Shock Resistant</li> <li>• Drop Resistant</li> <li>• Water Resistant</li> <li>• Dust Resistant</li> </ul>
Package	<ul style="list-style-type: none"> <li>• Hard Carrying Case</li> <li>• Spare Electrodes</li> <li>• AC Adapter</li> <li>• AC Power Cord</li> <li>• Electrode Sharpener</li> <li>• Cleaning Brush</li> <li>• Tool Case</li> <li>• LCD Anti-Reflective Sheet</li> <li>• User Manual</li> <li>• Quick Reference Guide</li> </ul>
Warranty	Period: One Year minimum on all parts and services
	Coverage: <ul style="list-style-type: none"> <li>• Free Quarterly Check-up</li> <li>• Free Telephone Assistance / Troubleshooting from Trained Engineers</li> </ul>
	Service Centers: <ul style="list-style-type: none"> <li>• Available within NCR</li> <li>• Free Onsite Service</li> </ul> Product Assistance (e.g. training and orientation Oncall and Onsite)

**2.2 Fiber Optic Tester**

TECHNICAL DATA	REQUIREMENT
Display	5-inch capacitive color touch screen (12.5 cm) minimum
Display resolution	800 x 480 W VGA minimum



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Interfaces	Supports USB 2.0 or higher, Bluetooth and Wi-Fi
Storage	10,000 OTDR traces minimum
Battery	20 hours of operation minimum
Power supply	AC/DC adapter, input 100-250 V AC, 50-60 Hz, 2.5 A max, output 12 V DC, 25 W
Electrical safety	EN60950 compliant
Size (HxWxD)	Height: 175 mm (±2) Width: 138 mm (±2) Depth: 57 mm (±2)
Weight (battery included)	1 kg maximum
Operating/storage temperature	Operating: -20 to +50°C; storage: -20 to +60°C
Humidity (noncondensing)	95%
Laser safety class (21 CFR)	Class 1
Number of data points	Up to 256,000 data points
Display range	0.1 km to 260 km
Sampling resolution	4 cm
Distance accuracy	(±1 m) ± (sampling resolution) ±(1.10-5 x distance), excluding group index uncertainties
Attenuation resolution	0.001 dB
Attenuation linearity	±0.04 dB/dB
Attenuation linearity	±0.04 dB/dB
Central wavelength	1310/1550/1650 nm ±20 nm
RMS dynamic range	37/35/32 dB
Pulse widths	5 ns to 20 µs
Event dead zone	1.35 m
Attenuation dead zone	4 m
Warranty	Period: One Year minimum on all parts and services



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	Coverage: • Free Quarterly Check-up Free Telephone Assistance / Troubleshooting from Trained Engineers
	Service Centers: • Available within NCR • Free Onsite Service Product Assistance (e.g. training and orientation Oncall and Onsite)

2.3 Internet Protocol (IP) Radio

TECHNICAL DATA	REQUIREMENT
Fequency	5GHz
Antenna Gain	29dBi
Output power	24dBm
Dish reflector	620mm
Power Consumption	8.5W maximum
Power method	Passive POE
Supported Voltage Range	20-26VDC
Memory	128 MB DDR2, 16 MB Flash

3. Mouldings and other Pheripherals

TECHNICAL DATA	REQUIREMENT
Fiber Optic Patch Cable 1	Connector Type: LC to LC, SM
	Fiber Count: Duplex
Fiber Optic Patch Cable 2	Connector Type: SC to SC, SM
	Fiber Count: Duplex
Fiber Optic Distribution Frame 1	Fiber Capacity: 24 Cores
	Fiber Port: LC
	Type: Rack Mounted
Fiber Optic Distribution Frame 2	Fiber Capacity: 4 Cores
	Fiber Port: SC
	Type: Rack Mounted
	Type: Clear





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Fiber Splice Fusion Protection Sleeve	Length: 60mm
Cable Tie	3mm x 250mm
Cable Tie with Tag	3mm x 100mm
Data Cabinet	Type: Wall Mounted
	Layer Capacity: 12 Units
LAN Patch Panel	24 ports With IO port
Moulding	¾ in x 8 ft
Double Sided Tape	Foam Tape ¾ in
Sticker Paper	A4
Crimping Tool	For RJ45
Impact Tool	For LAN I/O port
Type	UTP Cat6
Type	STP Cat6
Type	Cat6, Shielded
Type	Cat6

4. Network Devices  
4.1 Core Switch

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Chassis:	Up to 8 line cards, Up to 8 power supplies, Up to 6 fabric modules, Up to 2 system controllers, Up to 2 supervisors, Up to 3 fan trays
Fabric modules:	3 to 6 40-Gigabit modules or 4 100-Gigabit modules
MTBF (Hours):	Chassis: 928,910
Regulatory compliance:	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
RoHS:	RoHS-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.
N9K-PAC-3000W-B:	3000W 200V to 240V AC AC PS, Port Side Intake



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N9K-PDC-3000W-B:	3000W -48V-60V DC PS, Port Side Intake
Warranty:	One (1) year warranty

4.2 Manageable Switch  
4.2.1 L2 Manageable Switch

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Gigabit Ethernet ports	24
Uplink interfaces	4 SFP+
PoE+power budget	195W
RJ-45 Ethernet	1
USB mini-B	1
USB-A port for storage and Bluetooth console	1
Memory and processor	
CPU	ARM v7 800 MHz
DRAM	512 MB
Flash memory	256 MB
Performance	
Forwarding bandwidth	64 Gbps
Switching bandwidth	128 Gbps
Forwarding rate(64 byte L3 packets)	41.67 Mbps
Unicast MAC addresses	16000
IPv4 unicast direct routes	542
IPv4 unicast indirect routes	256
IPv6 unicast direct routes	414
IPv6 unicast indirect routes	128
Maximum active VLANs	256
Connectors and interfaces	10BASE-T ports: RJ-45 connectors, 2-pair Category 3, 4, or 5 Unshielded Twisted Pair (UTP) cabling 100BASE-TX ports: RJ-45 connectors, 2-pair Category 5 UTP cabling 1000BASE-T ports: RJ-45 connectors, 4-pair Category 5 UTP cabling 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Category 5 UTP cabling
Standards	IEEE 802.1D STP IEEE 802.1p CoS Prioritization IEEE 802.1Q VLAN



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	IEEE 802.1s IEEE 802.1w IEEE 802.1X IEEE 802.1ab LLDP Bluetooth v4.0
Network Technology	Simplicity, flexibility, and security (Campos LAN Switch)
Console cables	CAB-CONSOLE-RJ45 Console cable 6 ft. with RJ-45 CAB-CONSOLE-USB Console cable 6 ft. with USB Type A and mini-B connectors
Power	AC power cord External power supply
Warranty	One (1) year warranty

4.2.2 L2 Switch (Manageable switch) 10G SFP link

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit and Receive Wavelength (nm):	1530 to 1565
Cable Type:	10GBASE-ER 1550nm SMF
Connectors:	DuplexLC
Core Size (Microns):	G.652
Cable Distance:	40km
Transmit Power (dBm):	Maximum: 4.0 Minimum: -4.7
Receive Power (dBm):	Maximum: -1 Minimum: -15.8
Power Consumption (W):	1.5
Warranty:	One (1) year warranty

4.2.3 L2 Switch (Manageable switch) 1G SFP link

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit Wavelength and Receive Wavelength:	1490nm to 1310nm
Cable Distance:	10km
Supported Data Rate:	1.063-1.25Gbps



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Supported Application:	Gigabit Ethernet (1.25 Gbps), 1G Fiber Channel (1.0625)
Connectors:	Duplex LC
Tx Wavelength Bandwidth:	40 nm (1470-1510 nm)
Rx Wavelength Bandwidth:	40 nm (1290-1330 nm)
Receiver Overload:	-3 dBm
Chipset:	MAXIM, MINDSPEED, SEMTECH
Warranty:	One (1) year warranty

4.2.4 10G Gbic SFRP link (for Distribution switch)

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit and Receive Wavelength (nm):	1530 to 1565
Cable Type:	10GBASE-ER 1550nm SMF
Core Size (Microns):	G.652
Cable Distance:	40km
Transmit Power (dBm):	Maximum: 4.0 Minimum: -4.7
Receive Power (dBm):	Maximum: -1 Minimum: -15.8
Bail Latch Color:	Red
Power Consumption (W):	1.5
Operating Temperature Range:	COM
Warranty:	One (1) year warranty

4.3 Remote Ethernet Device

<b>APPLICATION:</b>	Intended for use on PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Maximum Throughput	250 Mbps



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SPECS for NETWORK MEDIA  
TOOLS AND DEVICES  
PA SPECS NR: ICT-02-04-2021

AC Input:	110-240VAC @50-60 Hz
DC Output:	12V +/- 10%, 3.7A, 40W"
Power port	Redundancy Support 2nd power supply Optional
Power Consumption	Idle: 6.1Watt/20.814 BTU Full Load: 22.6Watt/77.114 BTU
Physical Interfaces	Build-in Interfaces
Network Interfaces:	From 0.3mm or lower to infinity
LAN Ports	4 x 10/100/1000 Base-TX (1 GbE Copper)
WAN Ports	1 x 10/100/1000 Base-TX (shared with SFP)
SFP Port	1x SFP Fiber (shared port with WAN)
USB Port:	2 x USB 3.0 (front and rear)
COM Port:	1 x Micro-USB
Optional Features:	802.11 a/b/g/n/ac Wave 1 (Wi-Fi 5) dual-band capable 2x2 MIMO 2 antennas
Inclusions:	Manual Power adapter RJ45 Ethernet cable
Warranty	One (1) year warranty

4.4 Firewall

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Firewall throughput	65,000 Mbps
Firewall Internet MIX (IMIX)	34,000 Mbps
IPS throughput	14,700 Mbps
NGFW throughput	13,900 Mbps
Threat Protection throughput	3,400 Mbps
Concurrent connections	13,640,000
New connections/sec	187,000
IPsec VPN throughput	6,100 Mbps
Xstream SSL decryption + Threat Protection	770 Mbps
Xstream SSL Concurrent connections	102,400 Mbps



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<b>Power</b>	
Power Supply Input:	Internal auto ranging 100-240VAC, 50-60 Hz Hot Swap Redundant PSU optional (internal)
2.2 Idle:	31W, 107 BTU/hr
Full Load:	83W, 283 BTU/hr
Storage:	2 x integrated SSD
Copper RJ45 Ports	Eight (8)
10 GbE SFP+	Two (2)
Expansion Slot	Two (2) Flexi Port slots
Optional Flexi Modules	Eight (8) port GbE copper Eight (8) port GbE SFP* Two (2) port 10 GbE SFP+* Four (4) port 10 GbE SFP+* Two (2) port 40 GbE QSFP+* Four (4) port GbE PoE Eight (8) port GbE PoE Four (4) port GbE copper LAN bypass
Other Optional Features	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
I/O Ports	USB 3.0 (front) Micro USB (front) USB 3.0 (rear) COM (RJ45) (front) IPMI (front) HDMI (rear)
Inclusions	Manual
Warranty	One (1) year Warranty

5. Media Converter

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Type	Gigabit Single-Mode
Ports	1 x 1000M dual SC port 1 x 10/100/1000M RJ45 port



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SPECS for NETWORK MEDIA  
TOOLS AND DEVICES  
PA SPECS NR. ICT-02-04-2021


6. ICT SUBSCRIPTIONS

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Network Protection	IPSec/SSL Advanced Threat Protection Virtual Private Network Intrusion Protection System Denial of Service Protection
Web Server Protection	Web Application Firewall Reverse Proxy Antivirus
Duration of Subscription	1 Year

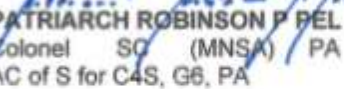
**PREPARED BY:**

  
**GEREMIO VALLECERA JR**  
Captain (SC) PA  
Chief, SEIB, OG6, PA

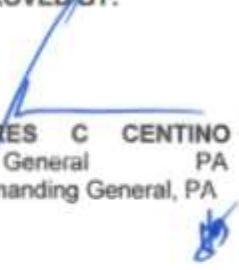
**NOTED BY:**

  
**NEIL R. ESPINA**  
Captain (SC) PA  
Chief, RSB, OG6, PA

**RECOMMENDED BY:**

  
**PATRIARCH ROBINSON P. PEL**  
Colonel SC (MNSA) PA  
AC of S for C4S, G6, PA

**APPROVED BY:**

  
**ANDRES C. CENTINO**  
Major General PA  
Commanding General, PA



## Section VIII. Checklist of Technical and Financial Documents

TAB	I. TECHNICAL COMPONENT ENVELOPE
<b>Class "A" Documents</b>	
<b>Legal Documents:</b>	
<b>A</b>	<p>Valid <b>PhilGEPS Registration Certificate (Platinum Membership)</b>;</p> <p><b>or</b> all of the following Class "A" documents:</p> <ul style="list-style-type: none"> <li>(a) <b>Registration Certificate</b> from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;</li> <li>(b) <b>Mayor's or Business Permit</b> issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;</li> <li>(c) <b>Tax Clearance</b> per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); <b>and</b></li> <li>(d) The Supplier's <b>Audited Financial Statements</b>, showing, among others, the prospective bidder's total and current assets and liabilities stamped "received" if manually filed or "attachment of system generated Transaction Reference Number and email to the system user" if electronically filed issued by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; Provided that original copies of the digitally submitted documents will be presented upon request.</li> </ul>
<b>Technical Documents:</b>	
<b>B</b>	<p>Duly signed Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (<b>Annex 1</b>);</p> <p>Note:</p> <ul style="list-style-type: none"> <li>• The bidder may make a reservation under oath in a notarized document not to disclose the name of its client on the ground of an existing confidentiality agreement but must disclose the amount, status, and name of the project for purposes of validating the NFCC, subject to the full disclosure during post-qualification. In this connection, the bidder may keep the name of the client from the statement of ongoing contracts.</li> </ul>
<b>C</b>	<p>Statement of the bidder's Single Largest Completed Contract (SLCC) of similar nature within the last five (5) years from the date of the Receipt and Opening of Bid Envelope equivalent to at least fifty percent (50%) of the ABC of the project to be bid. (<b>Annex 2</b>)</p>



	*For this project, “ <b>similar contract or project</b> ” shall pertain to the “ <b>Procurement of Information Communication Technology (ICT) Equipment</b> ”
<b>Financial Documents:</b>	
<b>D</b>	<p>The prospective bidder’s computation of <b>Net Financial Contracting Capacity (NFCC) (Annex 3-A)</b>; <u>or</u></p> <p>a <b>Committed Line of Credit</b> from a Universal or Commercial Bank in lieu of its NFCC computation (<b>Annex 3-B</b>).</p> <p>* Should the bidder opt to submit NFCC, computation must be at least equal to the ABC to be bid, calculated as follows.  NFCC = [(Current assets minus current liabilities) (15)] minus the value of all ongoing contracts, including awarded contracts yet to be started.</p> <p>* The values of the domestic bidder’s current assets and current liabilities shall be based on the latest Annual Income Tax Return and Audited Financial Statements filed thru eFPS.</p> <p>* For foreign bidders, the value of the current assets and current liabilities shall be based on their latest Audited Financial Statements (AFS) prepared in accordance with international reporting standards. The NFCC computation shall be expressed in Philippine Peso based on the prevailing exchange rate as published in the BSP reference rate bulletin on the date of preparation of the AFS.</p> <p>* If the prospective bidder opts to submit a Committed Line of Credit, it must be at least equal to ten percent (10%) of the ABC of the project issued by local universal or commercial bank. <b>The amount of Committed Line of Credit must be Machine Validated.</b> The Committed Line of Credit must be effective or available on the date of the bid submission.</p>
<b>Class “B” Documents</b>	
<b>E</b>	<p>Duly signed <b>Joint Venture Agreement (JVA)</b> in case the joint venture is already in existence; <u>or</u></p> <p>In the absence of a JVA, duly <b>Notarized Statement/s from all the potential joint venture partners</b> stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security; <u>or</u></p> <p>In case JVA is not applicable, the bidder must submit a duly signed <b>Statement stating that JVA is not applicable</b> in lieu of the foregoing (<b>Annex 4</b>).</p> <p>*Note:  The JVA should be specific to the project including the purpose and all supporting documents related thereto.</p>
<b>F</b>	<b>Bid security</b> in the prescribed form, amount and validity period; <u>or</u> a <b>Notarized Bid Securing Declaration (Annex 5)</b> .

<b>G</b>	1. Conformity with the <b>Schedule of Requirements. (Annex 6-A)</b> 2. <b>Duly signed Conformance/Statement of Compliance</b> to Technical Bid Form ( <b>Annex 6-B</b> ); Technical Specifications (TS) and other Test and Acceptance Procedure (TAP) <b>Annex 6-C</b> .
<b>H</b>	<b>Certificate from Armed Forces of the Philippines Procurement Service (AFPPS) that the Bidder is not Blacklisted; <u>or</u></b>  In the absence of the said Certificate, the Bidder shall submit a <b>proof of application</b> of the same stamped received by AFPPS.  *Note: <ul style="list-style-type: none"> <li>In case of Joint Venture, each JV partner shall submit the Certificate.</li> </ul>
<b>I</b>	Notarized Omnibus Sworn Statement (OSS) ( <b>Annex 7</b> )
<b>J</b>	Duly notarized Secretary's Certificate; <b>or</b> Board Resolution; <b>or</b> Special Power of Attorney of the authorized Representative of the Bidder.
<b>K</b>	Warranty Undertaking ( <b>Annex 8</b> )
<b>L</b>	Certificate of Replacement for Defective Items ( <b>Annex 9</b> ).
<b>M</b>	<b>Current and valid ISO (9001:2015) or AQAP Certificate</b> in the name of the manufacturer of the goods issued by an independent certifying agency.  The validity or scope of the ISO or other certificate must cover the production, design, manufacturing, and inspection of the items subject of the bidding.
<b>N</b>	Colored Manufacturer's Brochure or Literature of the product being offered. Internet downloads may be included to supplement the information contained in the original brochures
<b>O</b>	Supplier's <b>Certification</b> that the goods to be delivered have been manufactured not more than <b>one (1) year</b> from the date of delivery.

<b>II. FINANCIAL COMPONENT ENVELOPE</b>	
<b>A</b>	Duly signed and accomplished Financial Bid Form ( <b>Annex 10</b> )
<b>B</b>	Duly signed and accomplished Price Schedule(s) ( <b>Annex 11</b> ).

## ***Bidding Forms***

<b>Bidding Forms</b>	<b>Annex Nr</b>
Statement of All On-going Government and Private Contracts including Contracts Awarded but not yet started, if any.	<b>Annex 1</b>
Statement of Single Largest Similar Completed Contract within the last five (5) years from date of submission and receipt of bids equivalent to at least fifty percent (50%) of the ABC	<b>Annex 2</b>
Certificate of Net Financial Contracting Capacity (NFCC)	<b>Annex 3-A</b>
Sample Form for Committed Line of Credit	<b>Annex 3-B</b>
Statement that JVA is not applicable	<b>Annex 4</b>
Bid Securing Declaration	<b>Annex 5</b>
Conformity with the Schedule of Requirements	<b>Annex 6-A</b>
Duly signed statement of compliance to: <ul style="list-style-type: none"> <li>• Technical Bid Form;</li> <li>• Technical Specifications (TS);and Test and Acceptance Procedure (TAP)</li> </ul>	<b>Annex 6-B</b> <b>Annex 6-C</b>
Omnibus Sworn Statement	<b>Annex 7</b>
Warranty Undertaking	<b>Annex 8</b>
Certificate of Replacement for Defective Items	<b>Annex 9</b>
Financial Bid Form	<b>Annex 10</b>
Bid Prices and applicable Price Schedules	<b>Annex 11</b>

**Annex 1**

**Bidder's Company Letterhead**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**STATEMENT OF ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS (INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED)**

1. All On-going Government Contracts

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Status of Contract	Date of Delivery	Purchase Order, Notice to Proceed or Contract
<b>TOTAL</b>						

Total Value of Contract: \_\_\_\_\_

2. All On-going Private Contracts

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Status of Contract	Date of Delivery	Purchase Order, Notice to Proceed or Contract
<b>TOTAL</b>						

Total Value of Contract: \_\_\_\_\_

**CERTIFIED CORRECT:**

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Position

\_\_\_\_\_

Date

**Annex 2**

**Bidder's Company Letterhead**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**Statement of Single Largest Similar Completed Contract  
within the last five (5) years from date of submission and receipt of bids equivalent to at  
least fifty percent (50%) of the ABC**

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Date of Delivery	End-User's Acceptance or Official Receipts
TOTAL					

**CERTIFIED CORRECT:**

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Position

\_\_\_\_\_  
Date

## Annex 3-A

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC 012-21  
Approved Budget Contract: Php24,340,000.00**

**CERTIFICATE OF NET FINANCIAL CONTRACTING CAPACITY**  
*(Please show figures at how you arrived at the NFCC)*

This is to certify that our **Net Financial Contracting Capacity (NFCC)** is **Philippine Pesos** \_\_\_\_\_ ( P \_\_\_\_\_ ) which is at least equal to the total ceiling price we are bidding.

The amount is computed as follows: **NFCC = (CA-CL) (K)-C**

Where:

CA = Current Assets

CL = Current Liabilities

K = 15

C = value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract for this Project

Issued this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

CERTIFIED CORRECT:

\_\_\_\_\_  
*Name & Signature of Authorized Representative*

\_\_\_\_\_  
*Position*

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

**Annex 3-B**

(Name of Bank)  
**COMMITTED LINE OF CREDIT**

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

**ARMED FORCES OF THE PHILIPPINES  
 OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE  
 Fort Andres Bonifacio, Metro Manila**

PROJECT : \_\_\_\_\_  
 COMPANY/FIRM : \_\_\_\_\_  
 ADDRESS : \_\_\_\_\_  
 BANK/FINANCING INSTITUTION : \_\_\_\_\_  
 ADDRESS : \_\_\_\_\_  
 AMOUNT : \_\_\_\_\_

This is to certify that the above Bank/Financing Institution with business address indicated above, commits to provide the (Supplier/Distributor/Manufacturer), if awarded the above-mentioned Contract, a credit line in the amount specified above which shall be exclusively used to finance the performance of the above-mentioned contract subject to our terms, conditions and requirements.

The credit line shall be available during the opening and submission of bids by the Supplier/Distributor/Manufacturer/Contractor of the Notice of Award and such line of credit shall be maintained until issuance of the Certificate of Acceptance.

This certification is being issued in favor of said (Supplier/Distributor/Manufacturer) in connection with the bidding requirement of (Name of Procuring Entity) for the above-mentioned Contract. We are aware that any false statements issued by us make us liable for perjury.

The committed line of credit cannot be terminated or cancelled without the prior written approval of the OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE.

\_\_\_\_\_  
 Name and Signature of Authorized Financing Institution Office

\_\_\_\_\_  
 Official Designation

Concurred By:

\_\_\_\_\_  
 Name & Signature of (Supplier/Distributor/Manufacturer's) Authorized Representative

\_\_\_\_\_  
 Official Designation

SUBSCRIBED AND SWORN TO BEFORE ME this \_\_\_\_\_day of \_\_\_\_\_at \_\_\_\_\_, Philippines. Affiant exhibited to me his/her competent Evidence of identity as defined by the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC), issued on \_\_\_\_\_ at \_\_\_\_\_.

NOTARY PUBLIC

Doc No: \_\_\_\_\_  
Page No: \_\_\_\_\_  
Book No: \_\_\_\_\_  
Series of: \_\_\_\_\_



## Annex 4

(Company Letterhead)

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC 012-21  
Approved Budget Contract: Php24,340,000.00**

This is to certify that \_\_\_\_\_ (name of bidder) \_\_\_\_\_ will be participating **without a joint venture partner** in the procurement of \_\_\_\_\_ (name of project) \_\_\_\_\_.

Further, the undersigned acknowledges that **Joint Venture Agreement is Not Applicable** for the above mentioned project.

CERTIFIED CORRECT:

\_\_\_\_\_  
*Name & Signature of Authorized Representative*

\_\_\_\_\_  
*Position*

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

**Annex 5**

Name of Project: \_\_\_\_\_  
Public Bidding Nr: \_\_\_\_\_  
ABC: \_\_\_\_\_

**BID-SECURING DECLARATION**

REPUBLIC OF THE PHILIPPINES)  
CITY OF .....

**BID-SECURING DECLARATION**

Invitation to Bid/Request for Expression of Interest No. 1: (Insert reference number)

To: (Insert name and address of the Procuring Entity)

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.

2. I/We accept that: (a) I/We will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and (b) I/We will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declarations, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1 (b), 34.2, 40.1 and 69.1, except 69.1 (f) of the IRR of RA 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:

a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;

b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/We failed to timely file a request for consideration or (ii) I/We filed a waiver to avail of said right;

c) I am/were declared as the bidder with the Lowest Calculated and Responsive Bid/Highest Rated and Responsive Bids, and I/We have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We hereunto set my/our hand/s this \_\_\_\_\_ day of (Month) (Year) at (Place of Execution).

**NAME OF BIDDERS AUTHORIZED REPRESENTATIVE**  
(Insert signatory's legal capacity)  
**AFFIANT**

SUBSCRIBED AND SWORN TO BEFORE ME this \_\_\_\_\_day of \_\_\_\_\_at \_\_\_\_\_, Philippines. Affiant exhibited to me his/her competent Evidence of identity as defined by the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC), issued on \_\_\_\_\_ at \_\_\_\_\_.

NOTARY PUBLIC

Doc No: \_\_\_\_\_  
Page No: \_\_\_\_\_  
Book No: \_\_\_\_\_  
Series of: \_\_\_\_\_

## SCHEDULE OF REQUIREMENTS

### PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

TO THE BIDDER: Indicate “COMPLY” if proposal meets the technical specifications and project requirements. **DO NOT LEAVE ANY BLANK. A “YES OR NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.**

Description	Qty/ Unit	Full Delivery within;	Delivery Place	Bidders Proposal
Procurement of Laptop, Mobile Laptop, L2 Switch (Manageable Switch), Firewall XG, Core Switch, L2 Switch (Manageable Switch) 10G SFP Link, L2 Switch (Manageable Switch) 1G SFP Link, 10G Gbic SFP Link (for distribution switch), Fiber Optic (4 Core) SM, Fiber Optic (12 Core) SM, Fusion Machine for Fiber Optic, Fiber Optic Tester, Moldings and Other Peripherals	1 lot	120 days from the date of NTP	Signal Warehouse, ASCOM, PA, FBMM or Signal Warehouse, ASCOM, PA, Camp Aquino, Tarlac	

**Annex 6-B****STATEMENT OF COMPLIANCE  
TO TECHNICAL BID FORM, TECHNICAL SPECIFICATIONS, and TEST AND  
ACCEPTANCE PROCEDURE**

The bidder must state in the last column opposite each parameter and required specifications either "Comply" or "Not Comply". All pages shall be properly signed. Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-reference to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause above goods manufactured by us.

**CLARIFICATION AND SETTLEMENT OF CONFLICTING  
INTERPRETATION OF THE TECHNICAL SPECIFICATIONS**

All clarifications regarding the technical specifications stipulated in this section will be clarified by the members of the Technical Working Group. In cases of conflicting interpretations, the nature and purpose of the equipment will be the basis of interpretation. The main basis for technical specifications and requirements is the nature and purpose of the equipment and its intended use as determined by the doctrinal application of the end-users represented herein by the Technical Working Group.

---

Name of Company (in print)

---

Signature of Company Authorized Representative

---

Name and Designation

---

Date

**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.	Technical Specifications			Bidder’s Statement of Compliance
	Lot	Description	Technical Specifications	
1	1	Laptop Mobile Laptop L2 Switch (Manageable Switch) Firewall XG Core Switch L2 Switch (Manageable Switch) 10G SFP Link L2 Switch (Manageable Switch) 1G SFP Link 10G Gbic SFP Link (for distribution switch) Fiber Optic (4 Core) SM Fiber Optic (12 Core) SM Fusion Machine for Fiber Optic Fiber Optic Tester Moldings and Other Peripherals	PA SPECS NR ICT 01-04-2021 ICT 02-04-2021	PA TAP NR ICT 01-04-2021 ICT 02-04-2021
2	Manufacturing Date: Manufacturing date should be not more than one (1) year from the date of delivery			
3	We have no overdue deliveries or unperformed services intended for Philippine Army (PA).			

**BIDDER’S UNDERTAKING**

I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.

I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award. Until a formal contract is prepared and signed, thus bid is binding on us.

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date

**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

<b>Line No.</b>	<b>Additional Requirements to be provided by the Bidder, If awarded the contract</b>	<b>Bidder’s Statement of Compliance</b>
5	<p><b>DELIVERY:</b></p> <p><b>a. Delivery Period: 120 calendar days</b> after Receipt of Notice to Proceed by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP: should the supplier fail to comply, the delivery period shall commence.</p> <p><b>b. Delivery Place: Signal Warehouse, Army Support Command, Philippine Army, Fort Andres Bonifacio Metro Manila, Philippines or Signal Warehouse, Army Support Command, Philippine Army, Camp Aquino, Tarlac, Philippines</b></p> <p><b>c. Delivery must be done in the presence of Philippine Army authorized representatives.</b></p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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Name of Company (in print)

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Signature of Company Authorized Representative

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Name and Designation

\_\_\_\_\_

Date

**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

<b>Line No.</b>	<b>Additional Requirements to be provided by the Bidder, If awarded the contract</b>	<b>Bidder’s Statement of Compliance</b>
<b>6</b>	<p><i>Continuation:</i>  <b>DELIVERY:</b>  <b>a.</b> The supplier must inform the PAPC at least seven (7) calendar days prior to delivery in delivery place/site. Failure to give due notice shall be a ground for non-acceptance of delivery.  <b>b.</b> Deliveries made for “safekeeping” purposes ARE NOT ALLOWED  <b>c.</b> Other than the delivery schedule stated above, NO PARTIAL DELIVERIES are allowed.  <b>d.</b> During delivery, the Supplier shall be responsible in unloading the items from the container to the designated warehouse of the PA. All costs related to porter services, handling and other related expenses shall be borne by the Supplier. In the absence of material handling equipment at the site, the Supplier shall provide the necessary equipment such as but not limited to: forklifts, hand pallet truck, etc. At the expense of the Supplier.</p>	
<p><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.                      I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.                      Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

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<b>Line No.</b>	<b>Additional Requirements to be provided by the Bidder, If awarded the contract</b>	<b>Bidder’s Statement of Compliance</b>
7	<b>Issuance of End-User Certificate:</b> Pursuant to D4 CMILD-001-2017 dated Jan 26, 2017 issued by the Office of the Deputy Chief of Staff for Logistics, J4, the deadline for submission of End-user Certificate (EUC) requirements shall be within seven (7) Calendar Days upon receipt of Contract/Notice to Proceed (NTP). The letter request shall include as an attachment important documents necessary for the issuance thereof, such as specific template/format required by the foreign government and not by the foreign supplier. Failure on the part of the supplier to submit said requirements within the specified period shall not be used and acknowledge as a valid excuse or justification to warrant the extension of the contract.	
8	Warranty Period: Two (2) years after final acceptance which includes full replacement of defective items free of charge.	
9	Replacement of defective Items Noted during Pre-Delivery Inspection: Any defects noted during Pre-Delivery Inspection shall be corrected prior to shipment of the goods.	
10	Replacement of defective Items upon delivery and Testing of Items: Any defects noted during delivery shall be corrected within Ninety (90) calendar days from receipt of Notice to Replace. In case of rejection, the ammunition shall be secured and shall remain under the custody of the PA until re-exported (if imported) at the expense of the supplier, subject to the applicable laws in the Philippines.	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, this bid is binding on us.</p>		

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**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC 012-21  
Approved Budget Contract: Php24,340,000.00**

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Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
11	<p><b>PRE-SHIPMENT/PRE-DELIVERY INSPECTION TEST:</b> All items shall be subjected to Pre-Delivery Inspection (PDI) by the Philippine Army.</p> <p><b>FOR FOREIGN MANUFACTURERS:</b></p> <p>A. All Items shall be subjected to Pre-shipment/ Pre-delivery inspection and the test (PDI) by the Philippine Army representatives. The PDI shall be conducted no later than sixty (60) calendar days prior to the expiry of the required delivery period <b>at the foreign manufacturer’s facilities</b>. No extension of delivery period shall be allowed in case of failure or refusal of supplier to comply with said PDI period.</p> <p>B. In no case shall the Supplier be relieved from responsibility relative to the delivery of the goods in the event that the PDI is delayed for any reason including issues related to travel documents (i.e. Visa, Travel authority). Appropriate penalties for the delay shall be imposed as applicable.</p> <p>C. The Inspection Team that will attend the Pre-shipment/ Pre-delivery Inspection and Tests at the country of origin at supplier’s expenses shall be composed of atleast five (5) members of the PA Inspection team.</p> <p>D. The manufacturer shall ensure that the inspection Team will be allowed to jointly participate in the conduct of the testing procedures at the option of the inspection team.</p>	
<p align="center"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

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Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
12	<p><i>Continuation:</i> <b>PRE-SHIPMENT/PRE-DELIVERY INSPECTION TEST:</b></p> <p>E. Supplier shall shoulder all the costs and expense of travel (via/IATA member airlines in case of international travel) and accommodation including Daily Subsistence Allowance (pursuant to Section 8, EO 298) and securing visas as necessary and travel insurance of all the Inspection Team Members. In this regard, supplier is required to ISSUE the required written invitations to the Inspection team through Philippine Army relative to the PDI at least seven (7) calendar days from receipt of NTP.</p> <p>F. Supplier shall conduct product/inspection and pre-departure briefing to orient the members of the Inspection team at least one (1) week prior to departure date. Supplier shall ensure that a full time/on-board interpreter is available for non-English speaking country of manufacturer/plant site. Travel documents including insurance must be submitted to the inspection team during the pre-departure briefing.</p> <p>G. Failure to provide such invitation per C above will result in delays in release of required travel orders for the inspection team which shall be the sole responsibility of the supplier and will subject the supplier to applicable sanctions including liquidated damages due to late delivery.</p> <p>Results of the Pre -Shipment Testing Procedures duly signed by Inspection Team in attendance to be submitted for payment purposes.</p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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**TECHNICAL BID FORM**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

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Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
13	<p><i>Continuation:</i> <b>PRE-SHIPMENT/PRE-DELIVERY INSPECTION TEST:</b></p> <p>However, final acceptance as to Physical count will be conducted in the Philippines. The PDI shall be conducted in accordance with the prescribed Test and Acceptance Procedures (<b>Annex 7- C</b>). Cost of testing including the cost of sample rounds shall be for the account of supplier. The samples rounds shall be over and above the quantity to be delivered.</p> <p><b><u>FOR LOCAL MANUFACTURERS:</u></b></p> <p>H. Pre-delivery inspection of the items to be conducted at the manufacturer’s facilities, Government Arsenal, or at an authorized third-party testing center by Philippine Army Inspection Team.</p> <p>I. All expenses relative to inspection shall be for the account of the manufacturer.</p> <p>J. Acceptance Tests to be conducted as per prescribed Test and Acceptance Procedures (<b>Annex 7- C</b>). Cost of samples rounds to be used for testing shall be for the account of the manufacturer. The samples rounds shall be over and above the quantity to be delivered.</p>	
<p align="center"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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Date

Annex 6-C

By 2028, a world-class Army that is a source of national pride.

SPECS for COMPUTERS AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR  
COMMAND AND CONTROL, COMMUNICATIONS, AND CYBER SYSTEMS, G6  
Fort Andres Bonifacio, Metro Manila

PA SPECS NR: ICT 01-04-2021

**TECHNICAL SPECIFICATIONS FOR  
COMPUTERS AND END-DEVICES**

- 1. Computer
  - 1.1 Desktop Computer
    - 1.1.1 Entry Level

<b>Application:</b>	Intended for use on HPAG Office Productivity and PA Information System Development Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i5 –latest generation
Graphics	Intel UHD Graphics
Display	21-inch display monitor
Memory	8GB DDR4
Storage	1TB HDD SATA 256GB SSD
Optical Drive	DVD Writer (Optional)
Input	Keyboard and Mouse
Interfaces/Ports	2x USB 2.0, 5x USB 3.0
Network and Communication	Bluetooth 5.0, Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Power Supply	Automatic Voltage Regulator 500W
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Manual USB Wired Keyboard and Mouse
Warranty	One (1) year warranty

1.1.2 High End

<b>Application:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 –latest generation
Graphics	RTX3060 Graphics Card
Display	21-inch display monitor

Page 1 of 8



**Conforme:**

\_\_\_\_\_

Bidder's Company Name

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Signature of Authorized Representative

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Date

**Annex 6-C**

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SPECS for COMPUTERS AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

Memory	64GB DDR4
Storage	4TB HDD SATA 512GB SSD
Optical Drive	DVD Writer (Optional)
Input	Keyboard and Mouse
Interfaces/Ports	2x USB 2.0, 5x USB 3.0, Bluetooth 5.0
LAN Card	4 Port Gigabit Ethernet 10/100/1000M PCI-E PCI Express To 4X Gigabit Ethernet Network Card LAN Adapter
Power Supply	Automatic Voltage Regulator 700W
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Manual USB Wired Keyboard and Mouse
Warranty	One (1) year warranty

1.2 Laptop

1.2.1 Entry Level

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i5 –latest generation
Graphics	Dedicated GPU
Display	14-inch FHD
Memory	8GB DDR4
Storage	1TB HDD 256GB SSD
I/O Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Input	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours runtime
Camera	Built-In Web Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi 802.11 a/b/g/n/ac/Yes Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

1.2.2 Mid-range



**Conforme:**

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Bidder's Company Name

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**Annex 6-C**

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SPECS for COMPUTERS AND END-DEVICES  
PA SPECS NR. ICT 01-04-2021

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 – latest generation
Graphics	Dedicated Graphics Processing Unit (GPU)
Display	15.6-inch Full-HD In-Plane Switching (IPS)
Memory	8GB DDR4
Storage	1TB HDD 512GB SSD
I/O Ports	HDMI USB 3.0 Type A USB 2.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Input	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours run time
Camera	Built-in HD Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi IEEE 802.11ax Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

**1.2.3 High-end**

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity, PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	Windows 10 Professional 64-Bit
Processor	Minimum Intel Core i7 – latest generation
Graphics	Dedicated Graphics Processing Unit (GPU)
Display	15.6-inch Full-HD In-Plane Switching (IPS)
Memory	16GB DDR4
Storage	1TB HDD 1TB SSD
I/O Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) (Optional) Headphone and Mic Combo Jack
Keyboard and Touchpad	Built-in Keyboard and Touchpad

Page 2 of 8

Procurement of Computers and End-Devices



**Conforme:**

\_\_\_\_\_  
Bidder's Company Name

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Signature of Authorized Representative

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Annex 6-C

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SPECS for COMPUTERS  
AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

Battery	Lithium Ion At least 8 hours run time
Camera	Buil-in HD Camera
Audio	Built-in Speakers Built-in microphone
Network and Communication	Wi-Fi 6(802.11ax) Bluetooth 5.0
Productivity Application	Microsoft Office 2019 Home and Student
Accessories	Laptop Bag AC Power Adapter Manual Wireless Mouse
Warranty	Two (2) years warranty

2. Printer

2.1 Multifunction Printer

APPLICATION:	Intended for use on HPAG Office Productivity
TECHNICAL DATA	REQUIREMENT
Functions	Print, Copy, Scan, Fax
Print Technology	Thermal Inkjet
Print Speed	Black (A4, ISO): Up to 24 ppm; Colour (A4, ISO): Up to 20 ppm; Draft black (A4): Up to 36 ppm; Draft colour (A4): Up to 36 ppm
Print Resolution	Black (best): Up to 1200 x 1200 optimised dpi on plain paper from 600 x 600 input dpi; Colour (best): Up to 2400 x 1200 optimised dpi on Photo Paper 600 x 600 dpi input;
Number of supplies	4 (1 each black, cyan, magenta, yellow)
Duplex Printing	Automatic
Copy Speed	Black (A4, ISO): Up to 22 cpm; Colour (A4, ISO): Up to 16 cpm
Scan Speed	Normal (A4): Up to 19 ipm (200 ppi, monochrome); Up to 8 ipm (200 ppi, colour); Duplex (A4): Up to 23 ipm (200 ppi, monochrome); Up to 12 ipm (200ppi, colour)
Scanner Specifications	Scanner type: Flatbed, ADF; Scan input modes: Front-panel scan, copy, fax, or from software; Twain version: Version 1.9; Scan size maximum (flatbed, ADF): 216 x 356 mm; Optical scan resolution: Up to 1200 dpi
Bit depth/ Grey scale levels	24bit/256
Fax	Yes, Color
Fax Specifications	Fax memory: Up to 100 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi, 256 levels of grey;
Processor Speed	1.2Ghz



**Conforme:**

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SPECS for COMPUTERS  
AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

Connectivity	Standard: USB 2.0; Host USB; Ethernet; Wireless 802.11b/g/n; RJ-11modem ports;
Wireless	Built-in Ethernet, Wi-Fi 802.11b/g/n
Memory	512MB
Number of Paper Trays	Standard: 1; Maximum: Up to 2
Media Size	Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm Supported (metric): A4, A5, A6, B5 (JIS); Envelope (DL, C5, C6)
Input Capacity	Standard: Up to 250 sheets Maximum: Up to 500 sheets ADF: Standard, 50 sheets
Output Capacity	Standard: Up to 150 sheets Envelopes: Up to 25 envelopes Labels: Up to 60 sheets Cards: Up to 65 cards Maximum: Up to 150 sheets
Compatible Operating Systems	Windows 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CDROM/ DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Apple OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB available hard disk space; Internet required;
Power	Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz; Consumption: 35 watts maximum, 0.14 watts (manual-off), 7.20 watts (standby), 1.30 watts (sleep); Power supply type: Built-in power supply;
Inclusions	All-in-one Printer; Black Ink Cartridge Cyan Ink Cartridge Magenta Ink Cartridge Yellow Ink Cartridge Power cord; Manual
Warranty:	One (1) year warranty

**2.2 Printer with Scanner**

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Technology:	
Printing Method	Print head
Ink Technology	Inkjet



**Conforme:**

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Bidder's Company Name

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SPECS for COMPUTERS  
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PA SPECS NR: ICT 01-04-2021

Printing Resolution	5,760 x 1,440 dpi
Print:	
Printing Speed	10 pages/min Monochrome, 5 page/min Colour
Maximum Printing Speed	33 pages/min Monochrome (plain paper), 15 pages/min Colour (plain paper), 69 seconds per 10 x 15 cm photo
Scan:	
Scanning Resolution	1,200 dpi x 2,400 dpi (Horizontal x Vertical)
Scanner Type	Contact Image Sensor (CIS)
Paper / Media Handling:	
Number of Paper Trays	1
Paper Formats	A4, A6, B5, 10 x 15 cm, 13 x 18 cm, 16:9, DL (Envelope), C6 (Envelope), Letter, User defined, Legal
Duplex	Manual
Paper Tray Capacity	200 sheets Standard, 20 Photo sheets
General:	
Energy Use	12 W
Compatible Operating System	MAC OS 10.6.8 or later, Windows 10 / 8.1 / 8 / 7 / Vista / XP
Interface	USB 2.0, WIFI IEEE 802.11, WIFI Direct
WLAN Security	WEP 64-bit, WEP 128-bit, WPA PSK
Warranty	One (1) year warranty

**2.3 Photocopier, Printer and Scanner**

<b>APPLICATION:</b>	Intended for use on HPAG Office Productivity
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Technology:	
Printing Method	Print head
Ink Technology	Pigment black and Dye colour inks
Printing Resolution	4,800 x 1,200 dpi
Print:	
Printing Speed	17 pages/min Monochrome, 9 pages/min Colour
Maximum Printing Speed	38 pages/min Monochrome (plain paper), 24 pages/min Colour (plain paper), 69 seconds per 10 x 15 cm photo
Scan:	
Scanning Resolution	1,200 dpi x 2,400 dpi (Horizontal x Vertical)
Scanner Type	Contact Image Sensor (CIS)
Fax	
Fax Speed Dials (max)	100 names and numbers
Page Memory	Up to 100 pages
Fax Functions	PC Fax, Auto Redial, Address Book, Broadcast Fax, Fax Preview
Paper / Media Handling:	
Number of Paper Trays	1
Paper Formats	A4, A6, B5, 10 x 15 cm, 13 x 18 cm, DL (Envelope), C6 (Envelope), Letter, User defined, Legal
Duplex	Yes (A4, plain paper)
Paper Tray Capacity	250 sheets Standard
General:	

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Procurement of Computers and End-Devices



**Conforme:**

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PA SPECS NR: ICT 01-04-2021

Energy Use	12 W
Compatible Operating System	MAC OS 10.6.8 or later, Windows 10 / 8.1 / 8 / 7 / Vista / XP, Windows Server 2012 R2 / 2016 / 2003
Interface	USB 2.0, WIFI IEEE 802.11, WIFI Direct
WLAN Security	WEP 64-bit, WEP 128-bit, WPA PSK
Panel	Touchscreen

3. Server


3.1 Rock Mount Server

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Model	PowerEdge R740
Processor	2 x Intel Xeon Silver 4210r 2.4G
Memory	64GB DDR4 RDIMM
Network Controller	Embedded 2-Port 1GbE Ethernet adapter
Storage Controller	Smart Array B440ar/2G Controller
SSD	2x 240GB SSD SATA 2.5in Hot-Plug Hard drive
Hard Drive	4 x 1.2tb SAS 2.5in Hot-Plug Hard drive
Optical Drive Bay	Optional SFF media Cage kit
Optical Drive	9.5mm SATA DVD-Rom
Power Supply	1 x 500W ATX Power Supply
Form Factor	2U Rack
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business days response
Operating System	Windows Server STD Core 2019 Single OLP NL Core License with CAL
Accessories	21-inch Monitor, USB Keyboard and Mouse

3.2 Blade Server

<b>APPLICATION:</b>	Intended for use on PA Payroll System
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Processor	Intel Xeon E5-2620v (2.1Ghz, 8 Core, 20MB, 85)
Memory	32 GB
Network Controller	Embedded 2-Port 1GbE Ethernet adapter
Storage Controller	Smart Array B440ar/2G Controller
Hard drive	8 x HPE 1TB SAS 12G Midline 7.2K SFF (2.5in)
Internal Storage	up to (8) SFF SAS HDD Bays Hot plug, upgradable to 48
Optical Drive Bay	Optional SFF media Cage kit
Optical Drive	9.5mm SATA DVD-Rom
Power Supply	1 x 500W ATX Power Supply
Form Factor	2U Rack
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business days response
Operating System	Windows Server STD Core 2019 Single OLP NL Core License with CAL
Accessories	21-inch Monitor, USB Keyboard and Mouse

3.3 Expansion Server



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SPECS for COMPUTERS AND END-DEVICES  
PA SPECS NR: ICT 01-04-2021

<b>APPLICATION:</b>	Intended for use Signal Equipment Management Information System
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Storage Expansion Enclosure	IBM Spectrum Virtualize Software
Software	Web-based GUI
User Interface	10Gb iSCSI, 1Gb iSCSI / 16Gb Fibre Channel / 12 Gb SAS / 10 Gb iSCSI/Fibre Channel over Ethernet (FCOE)
Connectivity	Small form-factor 2.5-inch disk drives
Drive	0, 1, 5, 6, 10, Distributed
Raid Levels	Fully redundant, hot-swappable
Fans and Power Supplies	Standard 19-inch
Rack Support	Embedded GUI
Advanced Functions	Virtualization of internal storage
Compatibility	Data reduction pools with thin provisioning, unmap and reduplication
Warranty	One-way data migration
Disk Drive	Dual-system clustering
Operating System	Easy Tier

Prepared By:


Noted By:


  
**GEREMIO C. VALLECERA JR.**  
 Captain (SC) PA  
 Chief, SEIB, OG6, PA

  
**NEIL R. ESPINA**  
 Captain (SC) PA  
 Chief, RSB, OG6, PA

Recommended By:

Approved By:

  
**PATRIARCH ROBINSON P. PEL**  
 Colonel SC (MNSA) PA  
 AC of S for C4S, G6, PA

  
**ANDRES C. CENTINO**  
 Major General PA  
 Commanding General, PA



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SPECS for NETWORK MEDIA TOOLS AND DEVICES  
PA SPECS NR: ICT-02-04-2021

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR  
COMMAND AND CONTROL, COMMUNICATIONS, AND CYBER SYSTEMS, G6  
Fort Andres Bonifacio, Metro Manila

PA SPECS NR: ICT-02-04-2021

**TECHNICAL SPECIFICATIONS FOR  
NETWORK MEDIA TOOLS AND DEVICES**

- 1. Network Media Devices
  - 1.1 Fiber Optic Cable
    - 1.1.1 Fiber Optic Cable

TECHNICAL DATA	REQUIREMENT
Type	Single Mode
Strand	4 Cores
Structure	Armored

- 1.1.2 Fiber Optic Cable

TECHNICAL DATA	REQUIREMENT
Strand	12 Cores
Structure	Armored

- 2. Network Media Tools
  - 2.1 Fiber Optic Fusion Machine

TECHNICAL DATA	REQUIREMENT
Applicable Fibers	Single Mode Multi-Mode Dispersion-Shifted Fiber (DSF) Cut-off Shifted Fiber Non-Zero Dispersion-Shifted Fiber (NZD) Bend Insensitive Fiber Ultra Bend Insensitive Fiber
Cladding Diameter	80 - 150 µm
Fiber Cleave Length	5 - 16 mm
Average Splice Loss	Single Mode: 0.02dB maximum Multi-Mode: 0.01dB maximum DSF: 0.04dB maximum NZD: 0.04dB maximum

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Splice Time	9 seconds maximum
Splice Programs	300 minimum
Automatic Splicing Selection	Available
Heat Programs	100 minimum
Splice Programs	300 minimum
Automatic Splicing Selection	Available
Heat Programs	100 minimum
Automatic Heating Start	Available
Applicable Sleeves	20/40/60 mm
Fiber Holder	Tight Holder (loose tube applicable) or Removable Fiber Holder System
Tension Test	1.96 N
Splice Return Loss	70 dB or more
Attenuation Splice Function	Intentional high splice loss of 0.1dB to 15dB(0.1dB step) can be made for an inline fixed attenuator
Fiber Image Magnification	104X, 278X, 556X
Splice Result Storage	20,000 minimum
Image Capture Capacity	Last 100 images to be automatically captured + up to 100 images to be stored permanently
Dimension	Width: 179 mm (±2) Depth: 246 mm (±2) Height: 131 mm (±2)
Weight	2.0 kg maximum
Monitor	4.3" wide minimum Colored LCD monitor with Touch Screen
Propulsion (motor)	8 N (designed value)
Data Output	Supports USB 2.0 or higher
Battery Capacity	Typical 220 splice/heat cycles, 90sec/cycle
Altitude	Up to 5000 m



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Wind Protection	15 m/s
Operating Temperature	-10 to + 50 °C (without excessive humidity)
Storage Temperature	-40 to +60 °C (without excessive humidity)
Humidity	0 to + 95% RH (non-condensing)
Power Source	AC Input 100 to 240V (50/60Hz), DC Input 11 to 24 V
Features	<ul style="list-style-type: none"> <li>• Illumination lamp</li> <li>• Detachable V-Groove</li> <li>• WiFi Networking: Communication between splicer and smartphone</li> <li>• Shock Resistant</li> <li>• Drop Resistant</li> <li>• Water Resistant</li> <li>• Dust Resistant</li> </ul>
Package	<ul style="list-style-type: none"> <li>• Hard Carrying Case</li> <li>• Spare Electrodes</li> <li>• AC Adapter</li> <li>• AC Power Cord</li> <li>• Electrode Sharpener</li> <li>• Cleaning Brush</li> <li>• Tool Case</li> <li>• LCD Anti-Reflective Sheet</li> <li>• User Manual</li> <li>• Quick Reference Guide</li> </ul>
Warranty	Period: One Year minimum on all parts and services
	Coverage: <ul style="list-style-type: none"> <li>• Free Quarterly Check-up</li> <li>• Free Telephone Assistance / Troubleshooting from Trained Engineers</li> </ul>
	Service Centers: <ul style="list-style-type: none"> <li>• Available within NCR</li> <li>• Free Onsite Service</li> </ul> Product Assistance (e.g. training and orientation Oncall and Onsite)

2.2 Fiber Optic Tester

TECHNICAL DATA	REQUIREMENT
Display	5-inch capacitive color touch screen (12.5 cm) minimum
Display resolution	800 x 480 W VGA minimum



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Interfaces	Supports USB 2.0 or higher, Bluetooth and Wi-Fi
Storage	10,000 OTDR traces minimum
Battery	20 hours of operation minimum
Power supply	AC/DC adapter, input 100-250 V AC, 50-60 Hz, 2.5 A max, output 12 V DC, 25 W
Electrical safety	EN60950 compliant
Size (HxWxD)	Height: 175 mm (±2) Width: 138 mm (±2) Depth: 57 mm (±2)
Weight (battery included)	1 kg maximum
Operating/storage temperature	Operating: -20 to +50°C; storage: -20 to +60°C
Humidity (noncondensing)	95%
Laser safety class (21 CFR)	Class 1
Number of data points	Up to 256,000 data points
Display range	0.1 km to 260 km
Sampling resolution	4 cm
Distance accuracy	(±1 m) ± (sampling resolution) ±(1.10-5 x distance), excluding group index uncertainties
Attenuation resolution	0.001 dB
Attenuation linearity	±0.04 dB/dB
Attenuation linearity	±0.04 dB/dB
Central wavelength	1310/1550/1650 nm ±20 nm
RMS dynamic range	37/35/32 dB
Pulse widths	5 ns to 20 µs
Event dead zone	1.35 m
Attenuation dead zone	4 m
Warranty	Period: One Year minimum on all parts and services

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SPECS for NETWORK MEDIA  
TOOLS AND DEVICES  
PA SPECS NR: ICT-02-04-2021

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	Coverage: • Free Quarterly Check-up Free Telephone Assistance / Troubleshooting from Trained Engineers
	Service Centers: • Available within NCR • Free Onsite Service Product Assistance (e.g. training and orientation Oncall and Onsite)

2.3 Internet Protocol (IP) Radio

TECHNICAL DATA	REQUIREMENT
Frequency	5GHz
Antenna Gain	29dBi
Output power	24dBm
Dish reflector	620mm
Power Consumption	8.5W maximum
Power method	Passive POE
Supported Voltage Range	20-26VDC
Memory	128 MB DDR2, 16 MB Flash

3. Mouldings and other Pheripherals

TECHNICAL DATA	REQUIREMENT
Fiber Optic Patch Cable 1	Connector Type: LC to LC, SM
	Fiber Count: Duplex
Fiber Optic Patch Cable 2	Connector Type: SC to SC, SM
	Fiber Count: Duplex
Fiber Optic Distribution Frame 1	Fiber Capacity: 24 Cores
	Fiber Port: LC
	Type: Rack Mounted
Fiber Optic Distribution Frame 2	Fiber Capacity: 4 Cores
	Fiber Port: SC
	Type: Rack Mounted
	Type: Clear



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Fiber Splice Fusion Protection Sleeve	Length: 60mm
Cable Tie	3mm x 250mm
Cable Tie with Tag	3mm x 100mm
Data Cabinet	Type: Wall Mounted
	Layer Capacity: 12 Units
LAN Patch Panel	24 ports With IO port
Moulding	¾ in x 8 ft
Double Sided Tape	Foam Tape ¾ in
Sticker Paper	A4
Crimping Tool	For RJ45
Impact Tool	For LAN I/O port
Type	UTP Cat6
Type	STP Cat6
Type	Cat6, Shielded
Type	Cat6

4. Network Devices  
4.1 Core Switch

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Chassis:	Up to 8 line cards, Up to 8 power supplies, Up to 6 fabric modules, Up to 2 system controllers, Up to 2 supervisors, Up to 3 fan trays
Fabric modules:	3 to 6 40-Gigabit modules or 4 100-Gigabit modules
MTBF (Hours):	Chassis: 928,910
Regulatory compliance:	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
RoHS:	RoHS-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.
N9K-PAC-3000W-B:	3000W 200V to 240V AC AC PS, Port Side Intake



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PA SPECS NR: ICT-02-04-2021

N9K-PDC-3000W-B:	3000W -48V-60V DC PS, Port Side Intake
Warranty:	One (1) year warranty

4.2 Manageable Switch  
4.2.1 L2 Manageable Switch

APPLICATION:	Intended for use on Enhancement of PA Network (PANET)
TECHNICAL DATA	REQUIREMENT
Gigabit Ethernet ports	24
Uplink interfaces	4 SFP+
PoE+power budget	195W
RJ-45 Ethernet	1
USB mini-B	1
USB-A port for storage and Bluetooth console	1
Memory and processor	
CPU	ARM v7 800 MHz
DRAM	512 MB
Flash memory	256 MB
Performance	
Forwarding bandwidth	64 Gbps
Switching bandwidth	128 Gbps
Forwarding rate(64 byte L3 packets)	41.67 Mbps
Unicast MAC addresses	16000
IPv4 unicast direct routes	542
IPv4 unicast indirect routes	256
IPv6 unicast direct routes	414
IPv6 unicast indirect routes	128
Maximum active VLANs	256
Connectors and interfaces	10BASE-T ports: RJ-45 connectors, 2-pair Category 3, 4, or 5 Unshielded Twisted Pair (UTP) cabling 100BASE-TX ports: RJ-45 connectors, 2-pair Category 5 UTP cabling 1000BASE-T ports: RJ-45 connectors, 4-pair Category 5 UTP cabling 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Category 5 UTP cabling
Standards	IEEE 802.1D STP IEEE 802.1p CoS Prioritization IEEE 802.1Q VLAN



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	IEEE 802.1s IEEE 802.1w IEEE 802.1X IEEE 802.1ab LLDP Bluetooth v4.0
Network Technology	Simplicity, flexibility, and security (Campos LAN Switch)
Console cables	CAB-CONSOLE-RJ45 Console cable 6 ft. with RJ-45 CAB-CONSOLE-USB Console cable 6 ft. with USB Type A and mini-B connectors
Power	AC power cord External power supply
Warranty	One (1) year warranty

4.2.2 L2 Switch (Manageable switch) 10G SFP link

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit and Receive Wavelength (nm):	1530 to 1565
Cable Type:	10GBASE-ER 1550nm SMF
Connectors:	DuplexLC
Core Size (Microns):	G.652
Cable Distance:	40km
Transmit Power (dBm):	Maximum: 4.0 Minimum: -4.7
Receive Power (dBm):	Maximum: -1 Minimum: -15.8
Power Consumption (W):	1.5
Warranty:	One (1) year warranty

4.2.3 L2 Switch (Manageable switch) 1G SFP link

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit Wavelength and Receive Wavelength:	1490nm to 1310nm
Cable Distance:	10km
Supported Data Rate:	1.063-1.25Gbps



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TOOLS AND DEVICES  
PA SPECS NR: ICT-02-04-2021

Supported Application:	Gigabit Ethernet (1.25 Gbps), 1G Fiber Channel (1.0625)
Connectors:	DuplexLC
Tx Wavelength Bandwidth:	40 nm (1470-1510 nm)
Rx Wavelength Bandwidth:	40 nm (1290-1330 nm)
Receiver Overload:	-3 dBm
Chipset:	MAXIM, MINDSPEED, SEMTECH
Warranty:	One (1) year warranty

**4.2.4 10G Gbic SFRP link (for Distribution switch)**

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Transmit and Receive Wavelength (nm):	1530 to 1565
Cable Type:	10GBASE-ER 1550nm SMF
Core Size (Microns):	G.652
Cable Distance:	40km
Transmit Power (dBm):	Maximum: 4.0 Minimum: -4.7
Receive Power (dBm):	Maximum: -1 Minimum: -15.8
Bail Latch Color:	Red
Power Consumption (W):	1.5
Operating Temperature Range:	COM
Warranty:	One (1) year warranty

**4.3 Remote Ethernet Device**

<b>APPLICATION:</b>	Intended for use on PA Information System Development and Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Maximum Throughput	250 Mbps



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Procurement of Network Media Tools and Devices

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AC Input:	110-240VAC @50-60 Hz
DC Output:	12V +/- 10%, 3.7A, 40W"
Power port	Redundancy Support 2nd power supply Optional
Power Consumption	Idle: 6.1Watt/20.814 BTU Full Load: 22.6Watt/77.114 BTU
Physical Interfaces	Build-in Interfaces
Network Interfaces:	From 0.3mm or lower to infinity
LAN Ports	4 x 10/100/1000 Base-TX (1 GbE Copper)
WAN Ports	1 x 10/100/1000 Base-TX (shared with SFP)
SFP Port	1x SFP Fiber (shared port with WAN)
USB Port:	2 x USB 3.0 (front and rear)
COM Port:	1 x Micro-USB
Optional Features:	802.11 a/b/g/n/ac Wave 1 (Wi-Fi 5) dual-band capable 2x2 MIMO 2 antennas
Inclusions:	Manual Power adapter RJ45 Ethernet cable
Warranty	One (1) year warranty

**4.4 Firewall**

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Firewall throughput	65,000 Mbps
Firewall Internet MIX (IMIX)	34,000 Mbps
IPS throughput	14,700 Mbps
NGFW throughput	13,900 Mbps
Threat Protection throughput	3,400 Mbps
Concurrent connections	13,640,000
New connections/sec	187,000
IPsec VPN throughput	6,100 Mbps
Xstream SSL decryption + Threat Protection	770 Mbps
Xstream SSL Concurrent connections	102,400 Mbps



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SPECS for NETWORK MEDIA TOOLS AND DEVICES PA SPECS NR: ICT-02-04-2021

<b>Power</b>	
Power Supply Input:	Internal auto ranging 100-240VAC, 50-60 Hz Hot Swap Redundant PSU optional (internal)
2.2 Idle:	31W, 107 BTU/hr
Full Load:	83W, 283 BTU/hr
Storage:	2 x integrated SSD
Copper RJ45 Ports	Eight (8)
10 GbE SFP+	Two (2)
Expansion Slot	Two (2) Flexi Port slots
Optional Flexi Modules	Eight (8) port GbE copper Eight (8) port GbE SFP* Two (2) port 10 GbE SFP+* Four (4) port 10 GbE SFP+* Two (2) port 40 GbE QSFP+* Four (4) port GbE PoE Eight (8) port GbE PoE Four (4) port GbE copper LAN bypass
Other Optional Features	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
I/O Ports	USB 3.0 (front) Micro USB (front) USB 3.0 (rear) COM (RJ45) (front) IPMI (front) HDMI (rear)
Inclusions	Manual
Warranty	One (1) year Warranty

5. Media Converter

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Type	Gigabit Single-Mode
Ports	1 x 1000M dual SC port 1 x 10/100/1000M RJ45 port



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Procurement of Network Media Tools and Devices

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TOOLS AND DEVICES  
PA SPECS NR: ICT-04-2021


6. ICT SUBSCRIPTIONS

<b>APPLICATION:</b>	Intended for use on Enhancement of PA Network (PANET)
<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Network Protection	IPSec/SSL Advanced Threat Protection Virtual Private Network Intrusion Protection System Denial of Service Protection
Web Server Protection	Web Application Firewall Reverse Proxy Antivirus
Duration of Subscription	1 Year

PREPARED BY:


NOTED BY:

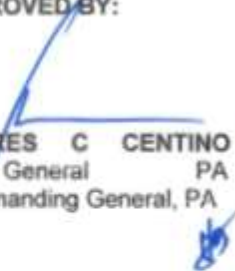
  
GEREMIO VALLECERA JR  
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NEIL R. ESPINA  
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Chief, RSB, OG6, PA

RECOMMENDED BY:

APPROVED BY:

  
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ANDRES C. CENTINO  
Major General PA  
Commanding General, PA



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Bidder's Company Name

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## Annex 7

### Omnibus Sworn Statement

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

#### AFFIDAVIT

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

**1. Select one, delete the other:**

*If a sole proprietorship:* I am the sole proprietor or authorized representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

*If a partnership, corporation, cooperative, or joint venture:* I am the duly authorized and designated representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

**2. Select one, delete the other:**

*If a sole proprietorship:* As the owner and sole proprietor, or authorized representative of *[Name of Bidder]*, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity]*, as shown in the attached duly notarized *Special Power of Attorney*;

*If a partnership, corporation, cooperative, or joint venture:* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity]*, as shown in the attached *[state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)]*;

3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. **Select one, delete the rest:**

*If a sole proprietorship:* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a partnership or cooperative:* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:

a) Carefully examine all of the Bidding Documents;

b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;

c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and

d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation

involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_\_ at \_\_\_\_\_, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]  
[Insert signatory’s legal capacity]  
Affiant

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_, Philippines, by the affiant/s himself/herself/themselves whom I was able to personally identify through his/her/their [insert type of valid government identification card used], which he/she/they has/have presented to me.

Witness my hand and seal this \_\_\_ day of [month] [year].

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_  
Notary Public for \_\_\_\_\_ until \_\_\_\_\_  
Roll of Attorneys No. \_\_\_\_\_  
PTR No. \_\_\_\_\_ [date issued], [place issued]  
IBP No. \_\_\_\_\_ [date issued], [place issued]

Doc No: \_\_\_\_\_  
Page No: \_\_\_\_\_  
Book No: \_\_\_\_\_  
Series of: \_\_\_\_\_

## Annex 8

(Bidder's Company Letterhead)

## **WARRANTY UNDERTAKING**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

I/We, (Name), (Title/Capacity), the duly authorized representative of (Company/Bidder), hereby commits that should we be awarded the contract, we will issue a Warranty Certificate in favor of the Philippine Army (PA) **valid for at least two (2) years from date of final acceptance.**

This Undertaking shall form part of the Technical Requirements for the aforesaid procurement project

\_\_\_\_\_  
Signature of Company Representative

\_\_\_\_\_  
Name & Designation

\_\_\_\_\_  
Date

## Annex 9

**Bidder's Company Letterhead****CERTIFICATE OF REPLACEMENT FOR DEFECTIVE ITEMS****PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC 012-21****Approved Budget Contract: Php24,340,000.00**

I/We, \_\_\_\_\_ (Name) \_\_\_\_\_, \_\_\_\_\_ (Title/Capacity) \_\_\_\_\_, the duly authorized representative of (Company/Bidder) \_\_\_\_\_, hereby commits that should we be awarded the contract, we will replace all defective items within thirty (30) calendar days upon receipt of Notice of Defects from the Philippine Army.

This Certification shall form part of the Technical Requirements for the aforesaid procurement project.

Issued this \_\_\_\_\_ day of \_\_\_\_\_ 2021 in \_\_\_\_\_, Philippines

\_\_\_\_\_  
Name of Company (Bidder)

\_\_\_\_\_  
Full Name of Authorized Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Tel. No./Fax

\_\_\_\_\_  
E-mail Address

## Annex 10

## (Bidder's Company Letterhead)

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC 012-21  
Approved Budget Contract: Php24,340,000.00**

## Financial Bid Form

Description	Qty	ABC Price		Bidder's Proposal	
		U/P	Total Price	U/P	Total Price
Laptop	4 pcs	100,000.00	400,000.00		
Mobile Laptop	2 pcs	80,000.00	160,000.00		
L2 Switch (Manageable switch)	22 pcs	80,000.00	1,760,000.00		
Firewall XG	2 pcs	1,300,000.00	2,600,000.00		
Core Switch	2 pcs	2,600,000.00	5,200,000.00		
L2 Switch (Manageable switch) 10G SFP Link	15 pcs	150,000.00	2,250,000.00		
L2 Switch (Manageable switch) 1G SFP Link	13 pcs	80,000.00	1,040,000.00		
10G Gbic SFP link (for Distribution switch)	56 pcs	80,000.00	4,480,000.00		
Fiber Optic (4core) SM	7000 mtrs	500.00	3,500,000.00		
Fiber Optic (12core) SM	5000 mtrs	500.00	2,500,000.00		
Fusion Machine for Fiber Optic	1 pc	250,000.00	250,000.00		
Fiber Optic Tester	2 pcs	50,000.00	100,000.00		
Moldings and Other Peripherals	1 pc	100,000.00	100,000.00		
<b>TOTAL BID PRICE</b>					

**Total Bid Price (Amount in Words):**

## BIDDER'S UNDERTAKING

I/We, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.  
I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance

security within ten (10) calendar days from receipt of Notice of Award.  
Until a formal contract/order confirmation is prepared and signed, this Bid is binding on us.

Note: If the particular column is not applicable indicate **N/A**.

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Representative

\_\_\_\_\_  
Name & Designation (in print)

\_\_\_\_\_  
Date

**(Bidder’s Company Letterhead)**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC 012-21**

**Approved Budget Contract: Php24,340,000.00**

**For Goods Offered from Abroad**

Name of Bidder \_\_\_\_\_, Invitation to Bid<sup>1</sup> Number \_\_\_\_\_, Page  
\_\_\_\_\_ of \_\_\_\_.

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Qty	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered at Place (DAP)	Unit price Delivered Duty Paid (DDP)	Total Price -(if DAP col 4X7) -(If DDP col 4X8)

Note: If the particular column is not applicable indicate **dash (-)** or **zero (0)**, as applicable.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

\_\_\_\_\_  
<sup>1</sup> If ADB, JICA and WB funded projects, use IFB.



**Annex 11**  
**FORM NO. 2**

**(Bidder’s Company Letterhead)**

**PROCUREMENT OF 1 LOT FOR SUPPORT FOR THE ICT REQUIREMENTS OF  
PA NETWORK INFRASTRUCTURE FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC 012-21  
Approved Budget Contract: Php24,340,000.00**

**For Goods Offered From Within the Philippines**

Name of Bidder \_\_\_\_\_ . Invitation to Bid<sup>2</sup> Number \_\_\_\_ . Page  
\_\_\_\_\_ of \_\_\_\_ .

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	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)

Note: If the particular column is not applicable indicate **dash (-)** or **zero (0)**, as applicable.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

<sup>2</sup> If ADB, JICA and WB funded projects, use IFB.

