



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE 2  
Fort Andres Bonifacio, Taguig City

# **BIDDING DOCUMENTS**

**for the**

## **Procurement of Audio Video System Equipment**

**SIG PABAC2-018-23**

**ABC: PhP 10,235,486.30**

**Date of Opening of Bids: December 7, 2023  
at 1:30 PM**

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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

### *Procurement of Audio Video System Equipment*

#### **BID REF SIG PABAC2-018-23**

1. The Philippine Army, through the Advice of Sub-Allotment (ASA) Number 2600-2023-0502 dated 08 September 2023 intends to apply the following sum being the Approved Budget for the Contract (ABCs) to payments under the contract for the Procurement of Audio Video System Equipment under SIG PABAC2-018-23. Bids received in excess of the ABC shall be automatically rejected during bid opening.

Description	Qty	Approved Budget of the Contract (ABC)
Web Presenter	7	<b>10,235,486.30</b>
PC monitor	4	
Uninterrupted power supply	6	
RJ 45	4	
Automatic Voltage Regulator	5	
Automatic Voltage Regulator (smaller)	3	
Male Connector	121	
Heavy Duty Speaker Stand Wall Mount	14	
Professional Audio (Loudspeaker Management System)	1	
Wireless System For Public Speakers and Presenters	28	
UHF Receiving/Transmitting Antenna	6	
Speaker wire	31	
Speaker wire	38	
PVC Pipe 90mm x 3m (10 ft)	380	
Wireless System	8	
OEM Heavy Duty Microphone Stand	23	
XS Series Dynamic Microphone	29	
Wireless Microphone	16	
3.5mm TRS Audio Jack	41	
Microphone Cable	50	
XLR Male Connector	274	
XLR Female Connector	274	
PL 55 TRS Connector	82	
USB Audio Adapter	21	
Amplifier Rack	14	
Electrical wire	8	
Electrical wire	16	
Glass Acrylic TV Cover	37	
Cat 6 UTP Unshielded Cable (300 mtrs)	27	
HDMI Extender (Rx/Tx)	97	
Ultra HD 4K 4 Port HDMI Splitter 1x4	37	
HDMI 4k 2.0V HDTV Cable (3 mtrs)	151	
Club XS 16ch Analog Audio Mixer	5	

Club XS 8ch Analog Audio Mixer	7	
15" Passive Speaker	50	
HDMI 4k 2.0V HDTV Cable (20 mtrs)	8	
Conference Microphone Central Unit	5	
Conference Microphone Chairmans Unit	5	
Conference Microphone Delegates Unit	60	
8 Pin Connector (10 meters)	8	
Soldering Led	1	
Soldering paste	10	
Ceramic Soldering Iron	16	
Electrical Tape (Big)	16	
Bolts and nuts 3/8x2	456	
Bolts and nuts 1/2x1	456	
Gray caster 3" swivel	456	
Gray caster 3" with brake	456	
TV wall bracket	66	
RG8 Coaxial Cable	100	
Regulated power supply	1	
PL259 Connector	2	
SC connector	40	
Horn Speaker	45	
Horn Speaker	10	

2. The Philippine Army now invites Bids for the above Procurement Project. Delivery of the Goods is required within **One Hundred Twenty (120) calendar days** from receipt of Notice to Proceed (NTP) by the Supplier, which date shall not be later than seven (7) days from the issuance of NTP. 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).

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 PABAC2 Secretariat and inspect the Bidding Documents at the address given below during office hours (8:00AM to 4:00PM) on weekdays only.

5. The complete set of Bidding Documents may be acquired by interested Bidders on **November 16, 2023** from the given address and websites below in the amount of **PhP25,000.00**. 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 PABAC2 will hold a Pre-Bid Conference on the time and date as specified below at the Office of the PABAC2, Fort Andres Bonifacio,

Taguig City and/or through video conferencing or webcasting via Zoom, which shall be open to prospective bidders.

7. Bids must be duly received by the PABAC2 Secretariat through manual submission at the office address indicated below on or before the date of submission of bids. 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 the date as specified below and at the given address below and/or through video conferencing or webcasting. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

The schedule of the bidding activities shall be as follows:

ACTIVITIES	TIME and DATE	VENUE
1. Sale and Issuance of Bidding Documents	8:00AM to 4:00PM Mondays to Fridays only starting <b>November 16, 2023</b>	Office of the PABAC2, Fort Andres Bonifacio, Taguig City
2. Pre-Bid Conference	<b>November 24, 2023 at 10:00 AM</b>	
3. Submission, Opening, and Bids Evaluation	<b>December 7, 2023 at 1:30 PM</b>	

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 PA Bids and Awards Committee 2**

Fort Andres Bonifacio, Taguig City

**BGEN ALVIN V FLORES PA**

**PABAC2 Chairperson**


Contact Nr. **+639393185696**

Telephone Nr. **845-9555 local 4084 / +63945-705-0675**

Email address: **pabacsec2@gmail.com**

12. You may visit the following websites for downloading of Bidding Documents:

- **philgeps.gov.ph**
- **army.mil.ph**



**ALVIN V FLORES**  
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 Audio Video System Equipment under **SIG PABAC2-018-23**.

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 **2023** in the amount of **Ten Million Two Hundred Thirty-Five Thousand Four Hundred Eighty-Six Pesos and 30/100 (PhP10,235,486.30)**.

2.2. The source of funding is **RA 11936 - MOOE**.

### 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 one (1) similar contract**, the aggregate amount of which should be equivalent to **at least fifty percent (50%)** in the case of non-expendable supplies of the ABC for this Project.

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

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

- 20.1. 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	
3	Non-compliance and/or non-conformance with the prescribed forms as provided in the Annexes of this Bidding Documents will be a ground for disqualification.
5.2	Foreign Bidders must be duly represented by an authorized local representative <b>(any corporate body or commercial company duly organized and registered under the laws of the Philippines or a citizen of the Philippines).</b>
5.3	<b>For this purpose, contracts similar to the Project</b> shall mean <b>“Procurement of Information Communication Technology (ICT) Hardware and/or Software”</b> which must be completed within five (5) years prior to the deadline of the submission and receipt of bids.
7	<b>Subcontracting is not allowed.</b>
10	<p>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.</p> <p>The local representative of Foreign Bidders shall also submit PhilGEPS Certificate of Registration (Platinum Membership), <b>or a Valid and Current Proof of Authority issued by the foreign bidder (in case the authorized local representative is an individual).</b></p> <p>In case of a Joint Venture, each JV partner shall submit the required Legal Documents.</p>
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>Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnell, Capas, Tarlac, Philippines.</b>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>The amount of not less than <b>Two Hundred Four Thousand Seven Hundred Nine Pesos and 73/100 (PhP204,709.73)</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></li> <li>The amount of not less than <b>Five Hundred Eleven Thousand</b></li> </ol>



	<p><b>Seven Hundred Seventy-Four Pesos and 32/100 (PhP511,774.32)</b> which is equivalent to five percent (5%) of ABC, if bid security is in Surety Bond.</p> <p>Note:</p> <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 Collecting Officer, Finance Center, PA.</li></ul>																																																		
15	<p>Each Bidder shall submit one (1) original and two (2) photocopies 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><tr><th>Description</th><th>Qty</th><th>Approved Budget of the Contract (ABC)</th></tr><tr><td>Web presenter</td><td>7</td><td rowspan="23"><b>10,235,486.30</b></td></tr><tr><td>PC monitor</td><td>4</td></tr><tr><td>Uninterrupted power supply</td><td>6</td></tr><tr><td>RJ 45</td><td>4</td></tr><tr><td>Automatic Voltage Regulator</td><td>5</td></tr><tr><td>Automatic Voltage Regulator (smaller)</td><td>3</td></tr><tr><td>Male Connector</td><td>121</td></tr><tr><td>Heavy Duty Speaker Stand Wall Mount</td><td>14</td></tr><tr><td>Professional Audio (Loudspeaker Management System)</td><td>1</td></tr><tr><td>Wireless System For Public Speakers and Presenters</td><td>28</td></tr><tr><td>UHF Receiving/Transmitting Antenna</td><td>6</td></tr><tr><td>Speaker wire</td><td>31</td></tr><tr><td>Speaker wire</td><td>38</td></tr><tr><td>PVC Pipe 90mm x 3m (10 ft)</td><td>380</td></tr><tr><td>Wireless System</td><td>8</td></tr><tr><td>OEM Heavy Duty Microphone Stand</td><td>23</td></tr><tr><td>XS Series Dynamic Microphone</td><td>29</td></tr><tr><td>Wireless Microphone</td><td>16</td></tr><tr><td>3.5mm TRS Audio Jack</td><td>41</td></tr><tr><td>Microphone Cable</td><td>50</td></tr><tr><td>XLR Male Connector</td><td>274</td></tr><tr><td>XLR Female Connector</td><td>274</td></tr><tr><td>PL 55 TRS Connector</td><td>82</td></tr></table>	Description	Qty	Approved Budget of the Contract (ABC)	Web presenter	7	<b>10,235,486.30</b>	PC monitor	4	Uninterrupted power supply	6	RJ 45	4	Automatic Voltage Regulator	5	Automatic Voltage Regulator (smaller)	3	Male Connector	121	Heavy Duty Speaker Stand Wall Mount	14	Professional Audio (Loudspeaker Management System)	1	Wireless System For Public Speakers and Presenters	28	UHF Receiving/Transmitting Antenna	6	Speaker wire	31	Speaker wire	38	PVC Pipe 90mm x 3m (10 ft)	380	Wireless System	8	OEM Heavy Duty Microphone Stand	23	XS Series Dynamic Microphone	29	Wireless Microphone	16	3.5mm TRS Audio Jack	41	Microphone Cable	50	XLR Male Connector	274	XLR Female Connector	274	PL 55 TRS Connector	82
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	USB Audio Adapter	21				
	Amplifier Rack	14				
	Electrical wire	8				
	Electrical wire	16				
	Glass Acrylic TV Cover	37				
	Cat 6 UTP Unshielded Cable (300 mtrs)	27				
	HDMI Extender (Rx/Tx)	97				
	Ultra HD 4K 4 Port HDMI Splitter 1x4	37				
	HDMI 4k 2.0V HDTV Cable (3 mtrs)	151				
	Club XS 16ch Analog Audio Mixer	5				
	Club XS 8ch Analog Audio Mixer	7				
	15" Passive Speaker	50				
	HDMI 4k 2.0V HDTV Cable (20 mtrs)	8				
	Conference Microphone Central Unit	5				
	Conference Microphone Chairmans Unit	5				
	Conference Microphone Delegates Unit	60				
	8 Pin Connector (10 meters)	8				
	Soldering Led	1				
	Soldering paste	10				
	Ceramic Soldering Iron	16				
	Electrical Tape (Big)	16				
	Bolts and nuts 3/8x2	456				
	Bolts and nuts 1/2x1	456				
	Gray caster 3" swivel	456				
	Gray caster 3" with brake	456				
	TV wall bracket	66				
	RG8 Coaxial Cable	100				
	Regulated power supply	1				
	PL259 Connector	2				
	SC connector	40				
	Horn Speaker	45				
	Horn Speaker	10				
20.2	<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:					
	<table><tr><th>TAB</th><th>Additional Post Qualification Requirements</th></tr><tr><td>A</td><td>Attachments of PhilGEPS (Platinum) Registration<ul 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 issued by the local government where the principal place of business of the bidder is located</li><li>Tax Clearance Certificate per Executive Order 398, Series of 2005</li></ul></td></tr></table>	TAB	Additional Post Qualification Requirements	A	Attachments of PhilGEPS (Platinum) Registration <ul 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 issued by the local government where the principal place of business of the bidder is located</li><li>Tax Clearance Certificate per Executive Order 398, Series of 2005</li></ul>	
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		<ul style="list-style-type: none"> <li>Latest Audited Financial Statement showing, among others, the prospective bidder's total and current assets and liabilities stamped <b>"received"</b> if manually filed or <b>"attachment of system generated Transaction Reference Number and email to the system user"</b> 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.</li> </ul>
	B	Latest Income and Business Tax Returns filed and paid through the BIR Electronic Filing and Payment System (eFPS). The latest income and business tax returns are those within the last six (6) months preceding the date of bid submission.
	C	Supporting documents for the Ongoing Government/Private Contracts: <ol style="list-style-type: none"> <li>Notice of Award, Notice to Proceed, Contract, Purchase Order or its equivalent issued by the end-user</li> </ol>
	D	Supporting documents for the Single Largest Completed Contract: <ol style="list-style-type: none"> <li>Notice of Award, Notice to Proceed, Contract, Purchase Order or its equivalent issued by the end-user; <b>and</b></li> <li>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>
	E	Certificate of Notarial Commission of the lawyer who notarized the documents submitted by the bidder
	F	Company Profile (Organization, Affiliated Companies, Production Capability)
	G	Vicinity map/location of the business
	H	Certificate from HAFPPS that Bidder is not Blacklisted and No Overdue Delivery.
<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><b>The equivalent to the above-enumerated Class "A" documents issued by country or place of business, in English shall be submitted.</b> If not in 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, all said documents shall be authenticated through an apostille pursuant to</li> </ol> </li> </ul>	

GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid;  
AND

- b. 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.

**Note:** *For the Local representative of the foreign bidder: It must likewise submit and present **Registration Certificate** from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives; and, its Valid and current **Mayor's/Business permit** issued by the local government where the principal place of business of the bidder is located.*

**In case of Joint Venture** (both local and foreign manufacturers), both partners must present/submit the above documents.

## 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) at <b>Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnel, Capas, 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 “<b>Delivered-Duty-Paid</b>” (DDP) at <b>Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnel, Capas, 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> <li>- Certificate of Acceptance/Inspection Report signed by the Procuring Entity’s representative at the Project Site.</li> </ul>

***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; OG10, PA.**

**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;
- 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.
- At least one (1) Certified Internetwork Expert on Enterprise Infrastructure for at least 15 years that will function as implementation engineer.
- Minimum of two (2) Certified Telco-Grade Cable installers.
- The bidder must present a certificate of site inspection certified by



- the End-User.
- Installation and Commissioning of the Audio Video System.

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 –**

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 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 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



	<p>final acceptance by the Procuring Entity.</p> <p><b>Transportation –</b></p> <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 indentify 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>
2.2	<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>

- a. Mode of Transmission: Full cable telex/S.W.I.F.T;
- 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;
- c. Payee Bank: The LC draft (if any) shall be drawn on the confirming bank;
- d. Beneficiary: [Insert name and address of Supplier with Point of Contact];
- 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(g) 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;
- f. Expiration Date: One Hundred Fifty (150) calendar days from issue date of the L/C;
- g. The terms of payment shall be as follows: **"One Time Payment"** 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:
  - i. Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
  - ii. Negotiable, clean shipped on-board Bill of Lading marked "Freight Pre-Paid" and/or "Non-Negotiable Bill of Lading" or "Airway Bill";
  - iii. Original Supplier's factory inspection report or certificate of pre-delivery test and inspection report by PA TIAC (as applicable);
  - iv. Manufacturer's and/or Supplier's warranty certificate;
  - v. Certificate of Origin (for imported GOODS);
  - vi. Delivery Receipt detailing number and description of items received signed by the Procuring Entity's representative at the Delivery Site;
  - vii. Certificate of Acceptance by the PA Technical Inspection and Acceptance Committee (PA TIAC).

Note:

- Payments shall be made only upon a certification by the **HoPE** to the effect that the Goods have been **rendered** or **delivered** in accordance with the prescribed delivery schedule of this Contract and have been duly **inspected** and **accepted**.

3	<p>If the Performance Security is in the form of a Surety Bond, it must be in the name of the Philippine Army/AFP, and its validity must be until the issuance by the Procuring Entity of the Certificate of Final Acceptance. The Surety Bond must be duly notarized and signed by the Supplier's authorized representative indicating therein his/her full name.</p>
4	<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 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>Conduct of actual Post-Qualification at the place of business of the winning bidder.</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. OG10, PA Inspection Report;</li> <li>3. SAO/APAO Acceptance Report;</li> </ol> <p><b>Correction of Defects:</b></p> <p><b>a. During TIAC Inspection:</b></p> <p><b>a.1. For items delivered within the delivery period,</b> the Supplier shall be allowed to correct defects within 30 calendar days upon receipt of written Notice from the PAPC.</p> <p><b>a.2. For items delivered after the lapse of the delivery period,</b> the Supplier shall be allowed to correct defects, subject to the imposition of liquidated damages.</p>

	<p><b>TIAC Non- Acceptance of Goods:</b></p> <p>In case items are rejected, the PA TIAC shall issue Certificate of Non Acceptance on the cause of non-compliance of the goods. A corresponding Notice of Non-Acceptance shall then be issued by Philippine Army Procurement Center (PAPC) to the supplier further advising that the period for replacement of defective item is within thirty (30) calendar days from receipt thereof. Supplier shall be allowed to replace rejected items up to two (2) times only.</p> <p>In case of rejection, the Supplier shall immediately withdraw the items from the Project/Delivery site. Any loss or damage thereto after such declaration shall be the sole responsibility of the Supplier.</p> <p>Supplier shall be subjected to blacklisting due to termination by default.</p>
5.1	<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 <b>one (1) year</b> 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>
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	Web presenter	7	One Hundred Twenty (120) Calendar Days upon receipt of NTP	Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnell, Capas, Tarlac, Philippines
	PC monitor	4		
	Uninterrupted power supply	6		
	RJ 45	4		
	Automatic Voltage Regulator	5		
	Automatic Voltage Regulator (smaller)	3		
	Male Connector	121		
	Heavy Duty Speaker Stand Wall Mount	14		
	Professional Audio (Loudspeaker Management System)	1		
	Wireless System For Public Speakers and Presenters	28		
	UHF Receiving/Transmitting Antenna	6		
	Speaker wire	31		
	Speaker wire	38		
	PVC Pipe 90mm x 3m (10 ft)	380		
	Wireless System	8		
	OEM Heavy Duty Microphone Stand	23		
	XS Series Dynamic Microphone	29		
	Wireless Microphone	16		
	3.5mm TRS Audio Jack	41		
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	XLR Male Connector	274		
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	PL 55 TRS Connector	82		
	USB Audio Adapter	21		
	Amplifier Rack	14		
	Electrical wire	8		
	Electrical wire	16		
	Glass Acrylic TV Cover	37		
	Cat 6 UTP Unshielded Cable (300 mtrs)	27		
	HDMI Extender (Rx/Tx)	97		
	Ultra HD 4K 4 Port HDMI Splitter 1x4	37		
	HDMI 4k 2.0V HDTV Cable (3 mtrs)	151		
	Club XS 16ch Analog Audio	5		

	Mixer			
	Club XS 8ch Analog Audio Mixer	7		
	15" Passive Speaker	50		
	HDMI 4k 2.0V HDTV Cable (20 mtrs)	8		
	Conference Microphone Central Unit	5		
	Conference Microphone Chairmans Unit	5		
	Conference Microphone Delegates Unit	60		
	8 Pin Connector (10 meters)	8		
	Soldering Led	1		
	Soldering paste	10		
	Ceramic Soldering Iron	16		
	Electrical Tape (Big)	16		
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	Bolts and nuts 1/2x1	456		
	Gray caster 3" swivel	456		
	Gray caster 3" with brake	456		
	TV wall bracket	66		
	RG8 Coaxial Cable	100		
	Regulated power supply	1		
	PL259 Connector	2		
	SC connector	40		
	Horn Speaker	45		
	Horn Speaker	10		
2	<ul style="list-style-type: none"> <li>- furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>- 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</li> <li>- 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.</li> <li>- At least one (1) Certified Internetwork Expert on Enterprise Infrastructure for at least 15 years that will function as implementation engineer.</li> <li>- Minimum of two (2) Certified Telco-Grade Cable installers.</li> <li>- The bidder must present a certificate of site inspection certified by the End-User.</li> <li>- Installation and Commissioning of Audio Video System</li> </ul>			



## Section VII. Technical Specifications

ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

HEADQUARTERS  
COMMAND SIGNAL BATTALION, ARMY SIGNAL REGIMENT, PA  
Fort Andres Bonifacio, Metro Manila

### TECHNICAL SPECIFICATIONS FOR AUDIO – VISUAL SYSTEMS

#### 1. LED Wall System

##### 1.1. LED Display Panel (Indoor and Outdoor) and Video Processor

TECHNICAL DATA	REQUIREMENT
Software/Image processing	Embedded Software for video scaling, color correction and image manipulation
Pixel Pitch	P1 and P2 (Indoor); P3(Outdoor)
Brightness	At least 1000-1200 Nits; CD/m
Viewing Angle	At least 140 degrees
Color Depth	16bit/68.719 Billion
Power Consumption (W)	320W/Pcs
Input Options	Supports HDMI, DVI, VGA and Display Port
Output Options	Support ethernet and fiber optic
Additional Features	Waterproof, Dustproof and UV protected/resistant (for outdoor type)
LED Wall Dimension (HxL)	At least 6meters x 9meters (h x w)

TECHNICAL DATA	REQUIREMENT
Software/Image processing	Embedded Software for video scaling, color correction and image manipulation
Pixel Pitch	P1 and P2 (Indoor); P3(Outdoor)
Display resolution	2079x1248=2594592pixels
Brightness	At least 1000-1200 Nits; CD/m
Viewing Angle	At least 140 degrees
Color Depth	16bit/68.719 Billion
Gray scale	16 bit
Power Consumption (W)	320W/Pcs
Input Options	Supports HDMI, DVI, VGA and Display Port
Output Options	Support ethernet and fiber optic
Additional Features	Waterproof, Dustproof and UV protected/resistant (for outdoor type)
LED Wall Dimension (HxL)	At least 6meters x 9meters (h x w)

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**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.****1.2. Video Switcher**

TECHNICAL DATA	REQUIREMENT
Processing Resolution	1080p
Video Inputs	2xSDI 4xHDMI
Video Output	2xHDMI program 1xSDI program 1xHDMI monitor 1xSDI monitor
Connectivity Input – Output (I/O) Options	1xRJ45 LAN Input
Power Input – Output (I/O)	1x Barrel (12 VDC at 1.2A) Input
Power	Power supply: 12 VDC at 2A
Operating Temperature	12 to 92 Degrees F
Dimension	9.81x6.78x2.2"
Weight	1kg

**1.3. Web Presenter**

TECHNICAL DATA	REQUIREMENT
Inputs	1xHDMI, 1x 12G-SDI, 1x XLR line/Mic, 2x HiFi Analog, USB 3.0
Pixel Pitch	1x SDI Program Out, 1x 12G-SDI Loop Out, 1x HDMI Loop Out, USD
Brightness	5.51"x1.5"x6.69
Viewing Angle	1.4 lbs
Color Depth	AC Powered

**1.4. Computer System for interface and control****1.4.1. – Laptop Computer**

TECHNICAL DATA	REQUIREMENT
Operating System	At least Windows 10 Professional 64-bit
Processor	At least Intel Core i7 12 <sup>th</sup> Generation
Graphics Card	At least 6Gb VRam Dedicated Graphics Processing Unit
Display/Monitor	At least 15.6-inch Full-HD In-Plane Switching
Memory	At least 16GB DDR4 RAM
Storage	At least 1TB HDD, and; 1TB SSD

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Input – Output Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) Headphone and Mic Combo Jack
Keyboard and Touchpad	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours
Camera	Built-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 and Wireless Mouse
Warranty	Two (2) years warranty

**1.4.2. – Desktop Computer**

<b>TECHNICAL DATA</b>	<b>REQUIREMENT</b>
Operating System	At least Windows 10 Professional 64-bit
Processor	At least Intel Core i7 12 <sup>th</sup> Generation
Graphics Card	At least 6Gb VRAM Separate Graphics
Display/Monitor	At least 15.6-inch Full-HD In-Plane Switching
Memory	At least 16GB DDR4 RAM
Storage	At least 1TB HDD, and; 1TB SSD
Input – Output (I/O) Parts	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) Headphone and Mic Combo Jack
Keyboard and Touchpad	With Keyboard and Mouse
Power Supply	Power supply with AVR/UPS
Camera	Separate Camera
Audio	Built-in Speakers Built-in Microphone
Network and Communication	Wi-Fi 6(802.11ax) Bluetooth 5.0

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**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

Productivity Application	Microsoft Office 2019 Home and Student
Warranty	Two (2) years warranty

**2. Broadcast Camera**

TECHNICAL DATA	REQUIREMENT
Image Sensor	1"-Type MOS
Shutter type	Electronic rolling shutter
Shutter speed	1/10000 to 1/24 second
Optical zoom	30X optical zoom
External recording modes	SDI/BNC/HDMI/RJ45/Optical fiber
Broadcast output	NTSC/PAL
Supported control	RS-232
Mounting	4xM4 female for ceiling
Built-in ND filter	Mechanical filter wheel
Image stabilization	Optical integrated lens
Focus control	Autofocus

**3. Standard Video Camera System**

TECHNICAL DATA	REQUIREMENT
Pixel Count	20 MP
Resolution	4k resolution
Zoom Ratio	12x Optical Zoom (Clear image Zoom) 48x Digital Zoom (HD)
Sensor Type	CMOS
LCD Monitor	3.5"/8.8cm
Connectivity	HDMI, SDI
Media Type	1xSD/SDHC Memory
Dimension (WxHxD)	Approx: 6.7x7.4x14.6"
Power	Battery Pack: 7.2 VDC AC Adapter: 8.4 VDC

**4. Cable****4.1 UTP Cable**

TECHNICAL DATA	REQUIREMENT
Type	4 total of number of conductor 8 FTP foiled twister pair

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 4.2 HDMI Cable

TECHNICAL DATA	REQUIREMENT
Type	20m

## 4.3 HDMI Extender

TECHNICAL DATA	REQUIREMENT
Max. resolution	1080p

## 4.4 HDMI Splitter

TECHNICAL DATA	REQUIREMENT
Max. resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)

## 4.5 RJ 45

TECHNICAL DATA	REQUIREMENT
Type	8P8C RJ-45 Connector (8-pin connector)
	Through Hole PCB mount socket
	Compatible with all CAT and UDP cable

## 4.6 RG8 Coaxial Cable

TECHNICAL DATA	REQUIREMENT
Central conductor	Stranded pure copper conductor with a final diameter of 0.0855 inches
Dielectric Insulation	Solid polyethylene with an outside diameter of 0.285 inches
Outer conductor and shield	Pure copper wire braid
Jacket	PVC jacket
Nominal impedance	50 ohms
Nominal capacitance	28.5 picofarads per foot
Inner conductor DC resistance	1.9 ohms/1,000 feet

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Outer conductor DC resistance	1.2 ohms/1,000 feet
Operating temperature range	80 degrees Celsius to -40 C
Maximum voltage	4,000 volts DC
Attenuation at 1,000 MHz	Approximately 7.4 dB/ft
Attenuation at 4,000 MHz	Approximately 23 dB/ft

**5. Monitor/TV**

TECHNICAL DATA	REQUIREMENT
Type	LED TV (Smart TV)
Screen Size	Up to 100 inches monitor size
Resolution	3,840 x 2,160 pixels

**6. Brackets/Frame for Monitor/TV**

TECHNICAL DATA	REQUIREMENT
Type	LCD Bracket Swivel TV Wall Mount
Capacity	Heavy duty unit fits for most of 32-70" TV up to 40 kgs

**7. Uninterrupted Power Supply**

TECHNICAL DATA	REQUIREMENT
Ratings	1500VA/900W
Battery Capacity	2x 12V/8Ah
Interface	6x Universal Socket
Form Factor	Tower

**8. Regulated Power Supply**

TECHNICAL DATA	REQUIREMENT
Input Voltage	230
Capacity VA	1500VA
Capacity Watts	900

**9. 4.2 HDMI Cable**

TECHNICAL DATA	REQUIREMENT
Type	20m

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 10. Automatic Voltage Regulator 10000W

TECHNICAL DATA	REQUIREMENT
AVR 10000W	Single phase 100% Pure copper Voltage: AC 160-250V Frequency: 50Hz/60Hz Voltage: AC 220V/110V +/-3% Frequency (Inverter Mode): 50Hz/60Hz Meter: Digital meter Over/Low Volt Protection: Yes Short Circuit: Yes Delay: Long 240s/Short 5s AC-AC: 0.96 Noise level: ≤50dB

## 11. Automatic Voltage Regulator (smaller)

TECHNICAL DATA	REQUIREMENT
AVR 2000VA	Output Sockets: 3 1 Socket : 110V 2 Sockets: 220V With Internal Circuit Breaker for Over-Voltage Protection

## 12. Heavy Duty Speaker Stand/Wall Mount

TECHNICAL DATA	REQUIREMENT
Speaker Stand	Special Feature: Iron Reversible Post Tube Diameter: 3.5cm or 3.8cm Load Capacity: 60 kg Maximum Height: 168 cm Minimum Height: 100 cm Standard Post for all kind of speakers

TECHNICAL DATA	REQUIREMENT
Speaker Wall Mount	TILT ANGLE ADJUSTMENT: 90°-30°  Must be secured with a solid-steel pin that serves as safety-stop and

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	<p>effectively elevates speakers for optimum sound performance.</p> <p><b>DURABLE, RUGGED AND RELIABLE:</b></p> <p>Must be heavy-duty audio holder for loud music, PA speakers, studio monitor with rugged, durable and reliable metal for long-term use.</p> <p><b>BRACKET STAND HOLDERS:</b></p> <p>Must be heavy-duty reinforced solid formed steel construction. It mounts permanently and securely in most environments.</p>
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13. Professional Audio (Loudspeaker Management System)

TECHNICAL DATA	REQUIREMENT
Input	(2) line inputs. (1) RTA Mic input
Input Connectors	(2) Female XLR line inputs. XLR RTA Mic input
Input Type	Electronically balanced/RF filtered
Input Impedance	>40k ohm
CMRR	> 45dB
Mic Preamp Phantom Power	+15VDC (RTA)
Mic Preamp Equivalent Input Noise (EIN)	< -110dB, 22Hz-22kHz, 150 ohm (RTA)
Output	6 total
Output Connectors	Male XLR
Output Type	Electronically balanced, RF filtered
Output Impedance	120ohm
A/D Converter	dbx Type IV™ Conversion System
Sample Rate	48kHz
D/A Dynamic Range	112 dB A-weighted, 109dB unweighted
THD+Noise	0.003% typical at +4dBu, 1kHz, 0dB gain
Frequency Response	20Hz – 20kHz, +/- 0.5dB

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 14. Male Connector

TECHNICAL DATA	REQUIREMENT
Male Connector Plug 3.5mm 1/8'	Wiring diagram: PIN 1 Tip- Left audio PIN 2, Ring- Right Audio PIN 3, Sleeve-Ground

## 15. Wireless System for Public Speakers and Presenters

TECHNICAL DATA	REQUIREMENT
Receivers	Power supply 12 V DC nom. / 300 mA Housing Metal AF frequency response 50 to 16,000 Hz
Transmitter	Power supply 2 AA size batteries, 1.5 V AF frequency response 50 to 16,000 Hz (-3 dB) Microphone Condenser Modulation Wideband FM Output voltage 1/4" (6.3 mm) jack socket (unbalanced): +6 dBu, XLR socket (balanced): +12 dBu Pick-up pattern Omni-directional Frequency 8 frequency banks, each with up to 12 factory-preset channels Adjustment Range Transmitter 0 to -30 dB, adjustable in 10 dB steps Audio adjustment range 40 dB, adjustable in 5-dB steps RF output power 10 mW Frequency range A: 548-572 MHz, GB: 606-630 MHz, B: 614-638 MHz, C: 766- 790 MHz, D: 794-806 MHz, E:

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	821-832 MHz, 863-865 MHz, K: 925-937.5 MHz Line / Mic level 20 dB, switchable
--	--

16. UHF Receiving/Transmitting Antenna

TECHNICAL DATA	REQUIREMENT
Passive directional antenna. Transmitting and receiving antenna	Impedance ▪ 50 Ohm Connector ▪ BNC Pick-up pattern ▪ directional Frequency range ▪ 450 - 960 MHz Antenna gain ▪ 4 dBi Opening angle ▪ +/- 50 degrees

17. PVC Pipe

TECHNICAL DATA	REQUIREMENT
PVC Pipe	90mm x 3m (10 ft)

18. Wireless System

TECHNICAL DATA	REQUIREMENT
Wireless System	<b>RELIABLE SIGNAL - Extend your range</b> With a range of up to 300 feet (100m)  <b>EASY SETUP – Own the stage</b> Must be up and running in record time with one-touch scan and selection.  <b>BATTERY LIFE – 14 hours of power</b>  <b>SYSTEMS EXPANSIONS – Run up to 12 channels per frequency band*</b>

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 19. Dynamic Microphone

TECHNICAL DATA	REQUIREMENT
Connectivity Technology	XLR
Connector Type	XLR
Special Feature	Clip
Compatible Devices	Audio Mixer, Radio, Amplifier, Karaoke Machine, Speaker
Color	Black
Included Components	Handheld microphone (cardioid, dynamic) with XLR-3 connector. Includes (1) clip and (1) carrying pouch Handheld microphone (cardioid, dynamic) with XLR-3 connector. Includes (1) clip and (1) carrying pouch
Polar Pattern	Unidirectional
Item Weight	15.68 Ounces

## 20. Wireless Microphone

TECHNICAL DATA	REQUIREMENT
Microphone	Polar Pattern: Cardioid Battery: 4 x AA Alkaline Frequency Response: 65 Hz to 15 kHz Signal to Noise Ratio: >60 dBA UHF: 470 to 960 MHz THD: <0.5%, typical Transmitter Power: <10 mW, typical
Receiver	Input: 1/4" / 6.3 mm (Unbalanced) Maximum Output Level: -13dBV, typical Battery: Lithium-ion Polymer 3.7 WH (Equivalent to 3.7 V, 1000 mAh) Charge Time: <3.5 hours @ 5 V / 1 A Charging Connector: USB Type-C Playback Time: Up to 6 Hours

## 21. 3.5mm TRS Audio Jack

TECHNICAL DATA	REQUIREMENT
3.5mm Audio Jack	Areas of Usage Mobile, Mirrorless, DSLR, Audio

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	Battery Type Device Power Connections 3.5mm TRRS Frequency Response 20Hz-18kHz Microphone Category DSLR/Video Microphone Output Connectors 3.5mm TRS, 3.5mm TRRS Polar Pattern Super-Cardioid Type of Accessory (Light/Aud/Studio) Microphone Input Audio Interface input 3.5mm TRS Interface output 3.5mm TRS, 3.5mm TRRS (mobile) Mobile audio Yes Audio Application Mobile, Camera
--	---

22. Microphone Cable

TECHNICAL DATA	REQUIREMENT
Microphone Cable	Length: 100m Cable thickness: approx. 12 cm

23. XLR Male Connector

TECHNICAL DATA	REQUIREMENT
XLR Male Plug Speaker Terminal Audio Microphone Audio Connector High Quality	Male Plug Audio Connector

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 24. XLR Female Connector

TECHNICAL DATA	REQUIREMENT
XLR Female/Male/PL55 6.35mm Heavy Duty Audio Connector	Metal Furnish Black Heavy Duty 6.35mm Plug, XLR Female, XLR Male

## 25. Speaker Wire

TECHNICAL DATA	REQUIREMENT
AWG#14	<ul style="list-style-type: none"> <li>• Durable and Reliable</li> <li>• CCA (Copper Clad Aluminum)</li> <li>• Transparent</li> <li>• Heavy Duty Wire</li> </ul>

TECHNICAL DATA	REQUIREMENT
AWG#16	<ul style="list-style-type: none"> <li>• Durable and Reliable</li> <li>• CCA (Copper Clad Aluminum)</li> <li>• Transparent</li> <li>• Heavy Duty Wire</li> </ul>

## 26. PL55 TRS Connector

TECHNICAL DATA	REQUIREMENT
PL55 Mono Plug Microphone Plug Connector	<ul style="list-style-type: none"> <li>• 1/4" mono (TS) phono plug</li> <li>• Make your own cables to the perfect length</li> <li>• Repair your own cables and save money</li> <li>• Rugged diecast construction</li> <li>• Black finish</li> </ul>

## 27. USB Audio Adapter

TECHNICAL DATA	REQUIREMENT
USB External Sound Card Metal Type	<ul style="list-style-type: none"> <li>• Interface Type: USB2.0 A Male 3.5mm Female</li> </ul>

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	<ul style="list-style-type: none"> <li>• Interface Technology: Gold Plated</li> <li>• Sampling Rate: 44.1/48K@16bit</li> <li>• Transmission Direction: USB to Headphones+Headset</li> <li>• Shell: Aluminum Alloy</li> <li>• Chip: HS-100B</li> <li>• Conductor Material: Tinned Copper</li> <li>• Wire Gauge: 28AWG</li> <li>• Wire Body Shielding: Aluminum Foil</li> <li>• Jacket Material: PVC</li> </ul>
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28. Amplifier Rack

TECHNICAL DATA	REQUIREMENT
Amplifier Rack	<ul style="list-style-type: none"> <li>• 12RU Adjustable</li> <li>• 13RU Height</li> <li>• Bearing type</li> </ul>

29. Electrical Wire

TECHNICAL DATA	REQUIREMENT
Electrical Wire	<ul style="list-style-type: none"> <li>• 14/2 white</li> <li>• Pure Copper</li> </ul>

TECHNICAL DATA	REQUIREMENT
Electrical Wire	<ul style="list-style-type: none"> <li>• 16/2 white</li> <li>• Pure Copper</li> </ul>

30. Glass Acrylic TV Cover

TECHNICAL DATA	REQUIREMENT
Screen Protector	<ul style="list-style-type: none"> <li>• 65"-70"</li> <li>• Acrylic</li> </ul>

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 31. Club XS 16ch Analog Audio Mixer

TECHNICAL DATA	REQUIREMENT
16ch Analog Audio Mixer	<ul style="list-style-type: none"> <li>• High-Performance 16-input small format analogue mixers with onboard effects</li> <li>• Effects Engine featuring Reverbs, Delays, and Choruses</li> <li>• Limiters (High-ratio Compressors) on input channels 2-in/2-out</li> <li>• USB audio playback and recording</li> <li>• Switchable Hi-Z inputs for guitars, basses and other instruments</li> <li>• Hi-Pass Filters (low-cut) and 48V Phantom Power on all mic channels</li> <li>• Smooth premium-quality faders</li> <li>• Robust metal construction for tour-grade build quality and reliability</li> <li>• Internal universal power supply.</li> </ul>

## 32. Club XS 8ch Analog Audio Mixer

TECHNICAL DATA	REQUIREMENT
8ch Analog Audio Mixer	<ul style="list-style-type: none"> <li>• 8+2, 12+2 and 20+2 channel input frame-sizes</li> <li>• Built-in 24 bit Lexicon digital effects processor</li> <li>• 32 FX settings</li> <li>• Tap Tempo and FX setting store function</li> <li>• 1 FX send on each channel</li> <li>• 2 configurable Aux busses</li> <li>• 2 Stereo Inputs</li> <li>• 2 Group busses</li> <li>• Stereo Mix Output</li> <li>• 2-track record output</li> <li>• 2-track replay input with level control</li> </ul>

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

	<ul style="list-style-type: none"> <li>• Globally switched +48V Phantom Power</li> <li>• GB30 Mic Preamps</li> <li>• Peak LED</li> <li>• 100Hz HPF</li> <li>• Insert point (mono channels)</li> <li>• 3-band EQ with swept Mid band on mono inputs</li> <li>• 3-band EQ on stereo inputs</li> <li>• PFL switch</li> <li>• Mix and group routing</li> <li>• Signal Present LED</li> <li>• 60mm fader</li> <li>• Headphone and Control Room outputs with level control</li> <li>• 8+2 and 12+2 models rack-mountable (ears sold separately)</li> <li>• Integral universal power supply</li> </ul>
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33. 15" Passive Speaker

TECHNICAL DATA	REQUIREMENT
15" Passive 2 way	<ul style="list-style-type: none"> <li>• 15" Passive speaker cabinet</li> <li>• 1600 watts peak power</li> <li>• Neodymium components</li> <li>• Industrial grade 15mm 9-ply braced cabinets</li> <li>• Multiple M10 hanging points</li> <li>• Speakon NL4 connections</li> <li>• Robust metal grill</li> </ul>

34. Conference Microphone Central Unit

TECHNICAL DATA	REQUIREMENT
	<ul style="list-style-type: none"> <li>• Wireless Conference System Main Unit</li> <li>• Built-in 16 Channel WIFI frequencies</li> <li>• Record &amp; Play thru USB and with Bluetooth Function</li> <li>• 5 Groups of channel, Each channel have 130 Frequencies</li> <li>• FIFO function, only 4 units can use at the same time</li> </ul>

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- Wireless capabilities support an infinite number of units
- Built-in advanced encryption communication algorithm, completely eliminate communication errors and false action.
- Balance XLR & Unbalance PL output
- Automatic Shutdown. Host standby for more than 30 minutes.
- Workable distance up to 50 meters, depend on environment.
- Main Unit can be Rack Mount.

**35. Conference Microphone Chairmans and Delegates**

TECHNICAL DATA	REQUIREMENT
Conference Microphone Chairmans and Delegates	<ul style="list-style-type: none"> <li>• Push button switch for MIC ON/OFF</li> <li>• Priority button to override all active delegates units</li> <li>• Unidirectional electret condenser microphone</li> <li>• Red Ring Luminare to identify live Unit</li> <li>• Frequency Response: 70Hz-15KHz</li> <li>• Sensitivity: -47+3dB</li> <li>• Microphone Stem length: 41cm</li> <li>• Dual shielded captive cable</li> </ul>

**36. 8 Pin Connector**

TECHNICAL DATA	REQUIREMENT
8-Pin Mini-DIN Double Ended Cable	<p>8-pin mini-DIN cables</p> <ul style="list-style-type: none"> <li>• Black – primary 4-20 mA current analog output</li> <li>• Brown – secondary analog output (if used, DC only)</li> <li>• Red – RS-232 digital serial input</li> <li>• Orange – setpoint input or remote tare (via grounding)</li> <li>• Yellow – RS-232 digital serial output</li> </ul>

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	<ul style="list-style-type: none"> <li>Green – primary 0-5, 1-5 or 0-10 volt DC analog output</li> <li>Blue – DC power input</li> <li>Purple/White – ground</li> </ul> <p>Double-ended 8-pin cables</p>
--	---

37. Soldering Led

TECHNICAL DATA	REQUIREMENT
Soldering Led	<ul style="list-style-type: none"> <li>Good quality and heavy duty</li> <li>200GRAMS</li> <li>1.0MM</li> </ul>

38. Soldering Paste

TECHNICAL DATA	REQUIREMENT
Soldering Paste	<ul style="list-style-type: none"> <li>Use for welding and desoldering</li> <li>Smooth welding surface</li> <li>No spot appears in non-soldered area</li> <li>Excellent capacity of solder-stickiness</li> <li>Fluxing excellent results, joint high intensity</li> <li>Use no sour refining flux, semi-solid easy dumping</li> <li>The paste has a good diffusion and non-corrosion</li> <li>No-clean and Lead free for environmental protection</li> <li>The area and thickness to be soldered can be easily controlled.</li> </ul>

39. Ceramic Soldering Iron

TECHNICAL DATA	REQUIREMENT
Electric Welding Soldering Iron	<p>Power: 60W Cable Length: 143cm Type: Soldering Pen</p>

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	<p>Heating way: Internal heating Professional Soldering Tool is great for lead-free Soldering semiconductors High quality long lasting ceramic type heater. Adjustable temperature controlled Soldering Irons: 200-450°C (there is a knob wheel on the Electronic Solder Iron for temperature adjust)</p> <p>Package Content:</p> <ul style="list-style-type: none"> <li>• 1 x Electric Iron Solder</li> <li>• 1 piece x suction device</li> <li>• 1 piece x tin line</li> <li>• 1 piece x tweezers</li> <li>• 1 piece x Stent</li> <li>• 5 pieces x Soldering Iron Head</li> </ul>
--	---

40. Electrical Tape

TECHNICAL DATA	REQUIREMENT
Electrical Tape	<ul style="list-style-type: none"> <li>• 0.16mm x 19mm x 16m - Big</li> <li>• For splicing and insulation of wires</li> <li>• Repair of above ground electrical wires</li> <li>• BPS approved, PS mark, CSA and UL listed</li> <li>• Flame retardant polyvinyl chloride (PVC) based tape</li> <li>• Extreme flexibility and conformability</li> <li>• Resist high voltages</li> <li>• Tolerate temperature environment up to 80°C</li> </ul>

41. Bolt and Nut

TECHNICAL DATA	REQUIREMENT
Bolt and Nut	<ul style="list-style-type: none"> <li>• 1/2 x 1</li> </ul>

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TECHNICAL DATA	REQUIREMENT
Bolt and Nut	<ul style="list-style-type: none"> <li>• 3/8 x 2</li> </ul>

## 42. Gray caster 3" swivel

TECHNICAL DATA	REQUIREMENT
Type	<ul style="list-style-type: none"> <li>• No Brake</li> </ul>
Wheel Diameter	<ul style="list-style-type: none"> <li>• 3"</li> </ul>
Thickness	<ul style="list-style-type: none"> <li>• 21mm</li> </ul>
Capacity per set	<ul style="list-style-type: none"> <li>• 200kg</li> </ul>
Screw Thickness	<ul style="list-style-type: none"> <li>• 12mm</li> </ul>
Screw Height	<ul style="list-style-type: none"> <li>• 26mm</li> </ul>

## 43. Gray caster 3" with brake

TECHNICAL DATA	REQUIREMENT
Type	<ul style="list-style-type: none"> <li>• Swivel with Brake</li> </ul>
Wheel Diameter	<ul style="list-style-type: none"> <li>• 3"</li> </ul>
Thickness	<ul style="list-style-type: none"> <li>• 23mm</li> </ul>
Capacity	<ul style="list-style-type: none"> <li>• 50kg</li> </ul>
Stem Diameter	<ul style="list-style-type: none"> <li>• 15mm</li> </ul>
Stem Length	<ul style="list-style-type: none"> <li>• 40mm</li> </ul>

## 44. PL-259 Connector

TECHNICAL DATA	REQUIREMENT
PL-259 Connector	<ul style="list-style-type: none"> <li>• Made with High Quality Nickel Coated Metal</li> <li>• Pure Copper Finish Connector on the Inside</li> <li>• Compatible for most Coaxial Cables</li> <li>• Guaranteed to Eliminate or Reduce Static Noise</li> <li>• MALE PL-259 Connector Plugs</li> <li>• Solder Friendly Connector</li> </ul>

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## 45. SC Connector

TECHNICAL DATA	REQUIREMENT
Cable Type:	Fiber Optic
Connector Type:	Quick Connector
Model:	SC / UPC-P
Insertion loss:	≤0.3dB (Max0.5)
Return Loss:	≥50dB
Variation:	≤0.2db
Rally:	≥35N
Torque:	≥25N
Repeat assembly:	≥15 times

## 46. Horn Speaker

TECHNICAL DATA	REQUIREMENT
Type:	Speakers
Certification:	CE
Rated Power:	15W
Input	8Ω
Waterproof Rating:	IP66
Connector:	By speaker cable tail
Material	ABS
Waterproof	Yes
Speaker	Outdoor Speaker
Sensitivity	102dB
Frequency Response	300~8kHz

TECHNICAL DATA	REQUIREMENT
System Type	Horn type speaker / 2-way design
LF/HF	5 Transducer/Piezo Tweeter
Frequency response	250Hz-15KHz
Power Taps	100V:50W
Sensitivity	≥104dB
Impedance	High Imp. 365, can tap direct to PA amp with 100V line
Materials	Aluminum

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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**

**TEST ACCEPTANCE PROCEDURE FOR THE AUDIO - VISUAL SYSTEM**

**1. REFERENCE:**

- 1.1. Approved Technical Specifications for AARM Audio-Visual System.

**2. OBJECTIVES:**

2.1. The objective of this TAP is to determine the completeness of the goods being delivered.

2.2. Compliance with the standards enumerated in the bidding documents.

2.3. To determine the 100% functionality of the required equipment and accessories for the AARM Audio-Visual System.

**3. GUIDELINES:**

3.1. The manufacturer/supplier shall ensure that the goods to be delivered as stated in the contract are packed before the inspection.

3.2. The rating system that will be involved in the Acceptance Test will be passed or failed only.

3.3. The acceptance test shall be composed of 100% Visual Inspection and 100% Functional Tests following the Approved Technical Specification for AARM Audio-Visual System.

3.4. In case of failure of any Goods during installation/assembly procedure, the supplier shall be given forty-five to sixty (45-60) calendar days for correction of defects/replacement of defective spare parts.

3.5. The warranty period shall only take effect upon final acceptance by PA TIAC.

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**3.6.** Failure to comply with this procedure shall entail the PROCURING ENTITY to reject the whole quantity during the Final Acceptance by PA TIAC.

**3.7.** In case one (1) requirement is missing during the visual inspection, the supplier shall be given fifteen (15) calendar days to complete the requirements, otherwise, the Philippine Army Technical Inspection and Acceptance Committee (PA TIAC) shall decline acceptance of the Goods and Services being delivered and thereafter shall inform the BAC in writing of the non-acceptance including the specific reasons for the same.

**4. PROCEDURES:**

The "Test Parameters and Procedures" is applicable for the Final Delivery and Acceptance of the required equipment and accessories for the AARM Audio-Visual System. It is divided into three (3) parts, Completeness Inspection, Visual Inspection, and Functional Testing Parameters and Procedures.

**4.1. COMPLETENESS INSPECTION:**

To determine the 100% completeness of the required equipment and accessories for the AARM Audio-Visual System as listed on the technical specification.

**4.1.1.** Required equipment and accessories for the AARM Audio-Visual System should coincide with the required quantity:

Item Nr	Checklist of required equipment and accessories for the AARM Audio-Visual System				
	Quantity	Unit	Description	Pass	Fail
1			LED Wall System		
2			Video Switcher		
3			Web Presenter		
4			Laptop Computer		
5			Desktop Computer		
6			Broadcast Camera		
7			Standard Video Camera System		
8			UTP Cable		
9			HDMI Cable		
10			HDMI Extender		
11			HDMI Splitter		
12			RJ 45		
13			RG8 Coaxial Cable		
14			Monitor/TV		
15			Brackets/Frame for Monitor/TV		
16			Uninterrupted Power Supply		
17			Regulated Power Supply		

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18		HDMI Cable		
19		Automatic Voltage Regulator 10000W		
20		Automatic Voltage Regulator (smaller)		
21		Speaker Stand		
22		Speaker Wall Mount		
23		Professional Audio (Loudspeaker Management System)		
24		Male Connector		
25		Wireless System for Public Speakers and Presenters		
26		UHF Receiving/Transmitting Antenna		
27		PVC Pipe		
28		Wireless System		
29		Dynamic Microphone		
30		Wireless Microphone		
31		3.5mm TRS Audio Jack		
32		Microphone Cable		
33		XLR Male Connector		
34		XLR Female Connector		
35		Speaker Wire #14		
36		Speaker Wire #16		
37		PL55 TRS Connector		
38		USB Audio Adapter		
39		Amplifier Rack		
40		Electrical Wire 14/2		
41		Electrical Wire 16/2		
42		Glass Acrylic TV Cover		
43		Club XS 16ch Analog Audio Mixer		
44		Club XS 8ch Analog Audio Mixer		
45		15" Passive Speaker		
46		Conference Microphone Central Unit		
47		Conference Microphone Chairmans and Delegates		
48		8 Pin Connector		
49		Soldering Led		
50		Soldering Paste		
51		Ceramic Soldering Iron		
52		Electrical Tape		
53		Bolt and Nut ½ x 1		
54		Bolt and Nut 3/8 x 2		
55		Gray caster 3" swivel		
56		Gray caster 3" with brake		

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57			PL-259 Connector		
58			SC Connector		
59			Horn Speaker		
60			Horn Speaker		

**4.2. VISUAL INSPECTION PARAMETERS:****4.2.1. OVERALL WORKMANSHIP:**

4.2.1.1. Equipment Needed: None.

4.2.1.2. Purpose: To determine the required labeling/markings and overall workmanship of the required equipment and accessories for the AARM Audio-Visual System and its 100% completeness.

4.2.1.3. Procedure: Inspect the equipment and accessories for the AARM Audio-Visual System and its 100% completeness.

4.2.1.4. Standard:

4.2.1.4.1. There should be no dents, scratches, cracks, signs of corrosion, or other surface defects on the said spare parts.

4.2.1.4.2. Serial numbers and labels must be visible and readable on the said spare parts.

4.2.1.4.3. Spare parts should be properly sealed with labels/markings, date of manufacture, and serial number.

**4.3. FUNCTIONAL TESTING PARAMETERS:****4.3.1. LED WALL SYSTEM**

4.3.1.1. Equipment Needed:

4.3.1.1.1. Laptop/Desktop Computer with Windows Operating System; and

4.3.1.1.2. One (1) piece crimped Fiber Optic Cable.

4.3.1.2. Purpose: To determine the 100% functionality of the LED wall system.

4.3.1.3. Procedures:

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- and the LED wall system.
- 4.3.1.3.1. Power on the Laptop/Desktop Computer
- system.
- 4.3.1.3.2. Plug the FOC on laptop to the LED wall
- LED wall system.
- 4.3.1.3.3. Using the software display image in the
- 4.3.1.4. Standards:
- 4.3.1.4.1. The LED wall should power on.
- 4.3.1.4.2. Image should not distort and enables
- people to see clear and vivid images.

**4.3.2. VIDEO SWITCHER**

- 4.3.2.1. Equipment Needed: Camera, HDMI cable, laptop.
- 4.3.2.2. Purpose: To determine the 100% functionality of
- the Video Switcher.
- 4.3.2.3. Procedures:
- 4.3.2.3.1. Power on the video switcher.
- 4.3.2.3.2. Plug the HDMI cable from the video
- switcher to the laptop and camera.
- 4.3.2.3.3. Video footage captured by the different
- cameras should be switched from one footage to the other footage found in the laptop.

**4.3.3. WEB PRESENTER**

- 4.3.3.1. Equipment Needed: Camera, HDMI cable, laptop, and
- internet.
- 4.3.3.2. Purpose: To determine the 100% functionality of
- the Video Switcher.
- 4.3.3.3. Procedures:

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4.3.3.3.1. Power on the video switcher,

4.3.3.3.2. Plug the HDMI cable from the video switcher to the laptop and camera.

4.3.3.3.3. Video footage captured by the different cameras should be switched from one footage to the other footage found in the laptop and broadcasted to the internet.

**4.3.4. LAPTOP COMPUTER**

4.3.4.1. Equipment Needed: None

4.3.4.2. Purpose: To determine the 100% functionality of the laptop computer.

4.3.4.3. Procedures:

4.3.4.3.1. Power ON the device.

4.3.4.3.2. Open the "DirectX Diagnostic Tool".

4.3.4.3.3. Compare the displayed details in the required technical specifications.

4.3.4.4. Standards:

4.3.4.4.1. The laptop should power on.

4.3.4.4.2. The displayed details in the "DirectX Diagnostic Tool" should coincide with the approved technical specifications.

**4.3.5. DESKTOP COMPUTER**

4.3.5.1. Equipment Needed: None

4.3.5.2. Purpose: To determine the 100% functionality of the desktop computer.

4.3.5.3. Procedures:

4.3.5.3.1. Plug the UTP cable on both devices.

4.3.5.3.2. Open the "DirectX Diagnostic Tool".

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4.3.5.3.3. Compare the displayed details in the required technical specifications.

4.3.5.4. Standards:

4.3.5.4.1. The laptop should power on.

4.3.5.4.2. The displayed details in the "DirectX Diagnostic Tool" should coincide with the approved technical specifications.

**4.3.6. BROADCAST CAMERA**

4.3.6.1. Equipment Needed:

4.3.6.1.1. Laptop/Desktop Computer with Windows Operating System; and

4.3.6.1.2. One (1) Crimped UTP Cable.

4.3.6.2. Purpose: To determine the 100% functionality of the broadcast camera.

4.3.6.3. Procedures:

4.3.6.3.1. Power on both devices.

4.3.6.3.2. Connect the Laptop/Desktop Computer to the broadcast camera using UTP cables.

4.3.6.3.3. Using the "Command Prompt" application, conduct a "Ping Test" with the broadcast camera.

4.3.6.4. Standards:

4.3.6.4.1. The broadcast camera should power on.

4.3.6.4.2. The broadcast camera should be connected to the laptop as input device and its captured video should be displayed in the laptop at real time.

**4.3.7. STANDARD VIDEO CAMERA SYSTEM**

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4.3.7.1.1 Equipment Needed: Laptop/Desktop Computer with Windows Operating System; and

4.3.7.1.2. One (1) HDMI Cable.

4.3.7.2. Purpose: To determine the 100% functionality of the video camera.

4.3.7.3. Procedures:

4.3.7.3.1. Power on both devices.

4.3.7.3.2. Connect the Laptop/Desktop Computer to the video camera using HDMI cable.

4.3.7.4. Standards:

4.3.7.4.1. The video camera should power on.

4.3.7.4.2. The video camera should be connected to the laptop as input device and its captured video should be displayed in the laptop at real time.

**4.3.8. UTP CABLE**

4.3.8.1. Equipment Needed:

4.3.8.1.1. RJ45; and

4.3.8.1.2. LAN Cable Tester.

4.3.8.2. Purpose: To determine the 100% functionality of the UTP cable.

4.3.8.3. Procedures:

4.3.8.3.1. Crimp the two ends of the UTP Cable.

4.3.8.3.2. Plug the RJ45 connectors at the LAN ports of the LAN Cable Tester.

4.3.8.3.3. Power on the LAN Cable Tester.

4.3.8.4. Standards: There should be no red lights shown in

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the LAN Cable Tester.

**4.3.9. HDMI CABLE****4.3.9.1. Equipment Needed:**

4.3.9.1.1. Laptop/Desktop; and

4.3.9.1.2. TV/monitor.

HDMI cable.

**4.3.9.2. Purpose: To determine the 100% functionality of the****4.3.9.2. Procedures:**

4.3.9.2.1. Power on both devices.

4.3.9.2.2. Plug the HDMI cable on both devices

**4.3.9.3. Standards:**

4.3.9.3.1. The display on laptop automatically appears on monitor screen.

**4.3.10. HDMI EXTENDER****4.3.10.1. Equipment Needed:**

4.3.10.1.1 Laptop

4.3.10.1.2. HDMI Cable; and

4.3.10.1.2. TV/monitor

HDMI extender.

**4.3.10.2. Purpose: To determine the 100% functionality of the****4.3.10.3. Procedures:**

4.3.10.3.1. Power on both devices.

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4.3.10.3.2. Plug the HDMI cable to the extender connecting on Monitor Screen and Laptop.

4.3.10.4. Standards:

4.3.10.4.1. The display on laptop automatically appears on monitor screen.

**4.3.11. HDMI SPLITTER**

4.3.11.1. Equipment Needed:

4.3.11.1.1 Laptop

4.3.11.1.2. Camera

4.3.11.1.3. HDMI Cable; and

4.3.11.1.4. TV/monitor

HDMI splitter. 4.3.11.2. Purpose: To determine the 100% functionality of the

4.3.11.3. Procedures: cable.  
4.3.11.3.1. Power on all the devices.  
4.3.11.3.2. Connect all the devices using HDMI

4.3.11.4. Standards:

4.3.11.4.1. Connection should be stable and the display on laptop input by the camera automatically appears on monitor screen.

**4.3.12. LED TV**

4.3.12.1. Equipment Needed: None.

Led TV. 4.3.12.2. Purpose: To determine the 100% functionality of the

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4.3.12.3.1. Power ON the device.

4.3.12.3.2. Open the settings.

4.3.5.3.3. Compare the displayed settings details in the required technical specifications.

**4.3.12.4. Standards:**

4.3.12.4.1. The TV should power on.

4.3.12.4.2. The displayed details in the settings should coincide with the approved technical specifications.

**4.3.12. FRAME/BRACKETS FOR TV****4.3.12.1. Equipment Needed:**

4.3.12.1.1 TV

4.3.12.2. Purpose: To determine the 100% functionality of the frame/brackets.

**4.3.12.3. Procedures:**

4.3.12.3.1. Mount the tv on the frame.

**4.3.12.4. Standards:**

4.3.12.4.1. The frame should be compatible to the mounting points and it should be able to carry weight of the tv.

**4.3.13. HDMI CABLE****4.3.13.1. Equipment Needed:**

4.3.13.1.1. Laptop/Desktop; and

4.3.13.1.2. TV/monitor.

4.3.13.2. Purpose: To determine the 100% functionality of the HDMI cable.

**4.3.13.2. Procedures:**

4.3.13.2.1. Power on both devices.

4.3.13.2.2. Plug the HDMI cable on both devices

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4.3.13.3.1. The display on laptop automatically appears on monitor screen.

**5. ACCEPTANCE OR REJECTION CHECKLIST:**

	<b>PASS</b>	<b>FAIL</b>
<b>A. VISUAL INSPECTION</b>		
No Dents		
No Scratches		
No Cracks		
No signs of corrosion		
Labels are visible and readable		
No signs of surface defects		
Spare parts are complete		
<b>B. VISUAL INSPECTION</b>		
LED Wall System		
Video Switcher		
Web Presenter		
Laptop Computer		
Desktop Computer		
Broadcast Camera		
Standard Video Camera System		
UTP Cable		
HDMI Cable		
HDMI Extender		
HDMI Splitter		
RJ 45		
RG8 Coaxial Cable		
Monitor/TV		
Brackets/Frame for Monitor/TV		
Uninterrupted Power Supply		
Regulated Power Supply		
HDMI Cable		
Automatic Voltage Regulator 10000W		
Automatic Voltage Regulator (smaller)		
Speaker Stand		
Speaker Wall Mount		
Professional Audio (Loudspeaker Management System)		
Male Connector		
Wireless System for Public Speakers and Presenters		
UHF Receiving/Transmitting Antenna		

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PVC Pipe		
Wireless System		
Dynamic Microphone		
Wireless Microphone		
3.5mm TRS Audio Jack		
Microphone Cable		
XLR Male Connector		
XLR Female Connector		
Speaker Wire #14		
Speaker Wire #16		
PL55 TRS Connector		
USB Audio Adapter		
Amplifier Rack		
Electrical Wire 14/2		
Electrical Wire 16/2		
Glass Acrylic TV Cover		
Club XS 16ch Analog Audio Mixer		
Club XS 8ch Analog Audio Mixer		
15" Passive Speaker		
Conference Microphone Central Unit		
Conference Microphone Chairmans and Delegates		
8 Pin Connector		
Soldering Led		
Soldering Paste		
Ceramic Soldering Iron		
Electrical Tape		
Bolt and Nut ½ x 1		
Bolt and Nut ¾ x 2		
Gray caster 3" swivel		
Gray caster 3" with brake		
PL-259 Connector		
SC Connector		
Horn Speaker		
Horn Speaker		

**6. ACCEPTANCE AND REJECTION:**

Acceptability of lot/s shall be determined by the acceptance or rejection checklist wherein the delivered items must pass all the completeness, visual inspection, and functional testing. Failure in any of the requirements shall be subject to non-acceptance of the items.

**7. RESULT:**

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**




ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for C4S Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the above item/s.

PREPARED BY:

  
**JEWEL RAY V MARCIA**  
Captain (SC) PA  
Technical Officer


NOTED BY:

  
**RAFAEL JASON T TALIPAN**  
Ltc Colonel GSC (SC) PA  
Chairperson, TWG for C4S AARM

RECOMMENDED BY:

  
**CONSTANCIO M ESPINA II**  
Colonel SC (GSC) PA  
AC of S for C4S, G6, PA

APPROVED BY:

  
**ROY M GALIDO**  
Lieutenant General PA  
Commanding General, PA

Page 10 of 10

Procurement of CCTV Camera and End-Devices

HONOR. PATRIOTISM. DUTY.



**NOTE: The items to be procured are enclosed in blue square.**

## 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>	Valid and updated PhilGEPS Registration Certificate (Platinum Membership) in accordance with Section 8.5.2 of the revised IRR of RA No. 9184 (updated 03 July 2023) and GPPB Resolution 15 - 2021 dated 14 October 2021.
<b>Technical Documents:</b>	
	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> ;
<b>B</b>	<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> <p>*For this project, "<b>similar contract or project</b>" shall pertain to the Procurement of "<b>Information Communication Technology (ICT) Hardware and/or Software.</b>"</p>
<b>Financial Documents:</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>
<b>D</b>	<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>	<p>1. Conformity with the <b>Schedule of Requirements. (Annex 6-A)</b></p> <p>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>.</p>
<b>H</b>	<p><b>Certificate from Armed Forces of the Philippines Procurement Service (AFPPS)</b> that the Bidder is <b>not Blacklisted and No Overdue Delivery</b>; or</p> <p>In the absence of the said Certificate, the Bidder shall submit a proof of application of the same <i>stamped received</i> by AFPPS <b>if manually filed, or <u>acknowledged received</u> by the AFPPS through its official email address: <u>afppsthree@gmail.com</u> if electronically filed.</b></p> <p>*Note: In case of Joint Venture, each JV partner shall submit the Certificate.</p>
<b>I</b>	<b>Notarized Omnibus Sworn Statement (OSS) (Annex 7)</b>
<b>J</b>	<p><b>Proof of Authority of the designated representative/s for purposes of the bidding</b></p> <p><b><u>For Local Bidder:</u></b></p>

	<p>a. Duly notarized Special Power of Attorney – For Sole Proprietorship if owner opts to designate a representative/s; OR</p> <p>b. Duly notarized Secretary's Certificate evidencing the authority of the designated representative/s, issued by the corporation, cooperative or the members of the joint venture.</p> <p><b><u>For Foreign Bidder:</u></b></p> <p>a. Valid and Current Written Appointment of the Philippine based company (as local representative of foreign manufacturer) issued by the foreign bidder. The written appointment must include detailed scope of responsibility of the local representative. A Certified True Copy of the Written Appointment may be submitted subject to the presentation of the original document during post qualification; AND</p> <p>b. Duly Notarized authorization of the duly registered Philippine-based company representative (e.g. Secretary's Certificate for Corporation, Special Power of Attorney for Sole Proprietor) with specimen signature of the authorized representative (for SPA) to transact with PA/AFP including address and contact number. OR</p> <p>c. <i>In case the authorized local representative is an individual (citizen of the Philippines), a Valid and Current Written Appointment of the said individual as the local representative issued by the foreign bidder must be submitted. The written appointment must include detailed scope of responsibility of the local representative. A Certified True Copy of the Written Appointment may be submitted subject to the presentation of the original document during post qualification.</i></p> <p><i>Note 1: Provided that in the case of unincorporated joint venture, each member shall submit a separate Special Power of Attorney and/or Secretary's Certificate evidencing the authority of the designated representatives for purposes of this bidding.</i></p> <p><i>Note 2: The Special Power of Attorney, or its equivalent document, must have a specimen signature of the bidder or its authorized representative; it must indicate in the said document the authority to transact with the Philippine Army/AFP; <u>it must indicate the authority of the bidder/authorized representative to sign the Omnibus Sworn Statement.</u></i></p>
K	Warranty Undertaking (Annex 8)
L	Certificate of Replacement for Defective Items (Annex 9).
M	<p><b><u>Current and valid ISO (9001:2015 and/or 14001:2015, and/or 27001:2013) or AQAP Certificate</u></b> in the name of the manufacturer of the goods issued by an independent certifying agency.</p> <p>The following are the items that needed ISO:</p> <ul style="list-style-type: none"> <li>• Web presenter</li> <li>• PC monitor</li> <li>• Uninterrupted power supply</li> </ul>

	<ul style="list-style-type: none"> <li>Automatic Voltage Regulator</li> </ul> <p>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.</p>
<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 certification 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 Bid Form ( <b>Annex 10-A</b> )
	Duly signed and accomplished Financial Bid Form ( <b>Annex 10-B</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>
Duly signed and accomplished Bid Form	<b>Annex 10-A</b>
Financial Bid Form	<b>Annex 10-B</b>
Bid Prices and applicable Price Schedules	<b>Annex 11</b>

## Annex 1

**Bidder's Company Letterhead****PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30****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 AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

**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 (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
<b>TOTAL</b>					

**CERTIFIED CORRECT:**

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

\_\_\_\_\_  
Position

\_\_\_\_\_  
Date



## Annex 3-A

**PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC2-018-23  
Approved Budget Contract: Php10,235,486.30**

**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 \_\_\_\_\_, 2022.

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, Taguig City**

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 on the date of the submission of bid by the (Supplier/Distributor/Manufacturer) and such line of credit shall be maintained until the project is completed by the Contractor.

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 AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC2-018-23  
Approved Budget Contract: Php10,235,486.30**

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: \_\_\_\_\_

## Annex 6-A

**SCHEDULE OF REQUIREMENTS****PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

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
Web presenter	7	<b>120 calendar days upon receipt of NTP</b>	Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnel, Capas, Tarlac, Philippines	
PC monitor	4			
Uninterrupted power supply	6			
RJ 45	4			
Automatic Voltage Regulator	5			
Automatic Voltage Regulator (smaller)	3			
Male Connector	121			
Heavy Duty Speaker Stand Wall Mount	14			
Professional Audio (Loudspeaker Management System)	1			
Wireless System For Public Speakers and Presenters	28			
UHF Receiving/Transmitting Antenna	6			
Speaker wire	31			
Speaker wire	38			
PVC Pipe 90mm x 3m (10 ft)	380			
Wireless System	8			
OEM Heavy Duty Microphone Stand	23			
XS Series Dynamic Microphone	29			
Wireless Microphone	16			
3.5mm TRS Audio Jack	41			
Microphone Cable	50			
XLR Male Connector	274			
XLR Female Connector	274			
PL 55 TRS Connector	82			
USB Audio Adapter	21			
Amplifier Rack	14			
Electrical wire	8			
Electrical wire	16			
Glass Acrylic TV Cover	37			

Cat 6 UTP Unshielded Cable (300 mtrs)	27			
HDMI Extender (Rx/Tx)	97			
Ultra HD 4K 4 Port HDMI Splitter 1x4	37			
HDMI 4k 2.0V HDTV Cable (3 mtrs)	151			
Club XS 16ch Analog Audio Mixer	5			
Club XS 8ch Analog Audio Mixer	7			
15" Passive Speaker	50			
HDMI 4k 2.0V HDTV Cable (20 mtrs)	8			
Conference Microphone Central Unit	5			
Conference Microphone Chairmans Unit	5			
Conference Microphone Delegates Unit	60			
8 Pin Connector (10 meters)	8			
Soldering Led	1			
Soldering paste	10			
Ceramic Soldering Iron	16			
Electrical Tape (Big)	16			
Bolts and nuts 3/8x2	456			
Bolts and nuts 1/2x1	456			
Gray caster 3" swivel	456			
Gray caster 3" with brake	456			
TV wall bracket	66			
RG8 Coaxial Cable	100			
Regulated power supply	1			
PL259 Connector	2			
SC connector	40			
Horn Speaker	45			
Horn Speaker	10			

<ul style="list-style-type: none"> <li>- furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; and</li> <li>- 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.</li> <li>- 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.</li> <li>- At least one (1) Certified Internetwork Expert on Enterprise Infrastructure for at least 15 years that will function as implementation engineer.</li> <li>- Minimum of two (2) Certified Telco-Grade Cable installers.</li> <li>- The bidder must present a certificate of site inspection certified by the End-User.</li> <li>- Installation and Commissioning of Audio Video System</li> </ul>			
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\_\_\_\_\_  
Name of Company (in print)

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

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

\_\_\_\_\_  
Date

**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.

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Name of Company (in print)

---

Signature of Company Authorized Representative

---

Name and Designation

---

Date



**Annex 6-B***(Page 1 of 5)***TECHNICAL BID FORM****PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

**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
	Description	Technical Specifications	Test and Acceptance Procedure	
1	Web presenter	PA Tech Specs for the Audio-Visual System	PA TAP for the Audio-Visual System	
	PC monitor			
	Uninterrupted power supply			
	RJ 45			
	Automatic Voltage Regulator			
	Automatic Voltage Regulator (smaller)			
	Male Connector			
	Heavy Duty Speaker Stand Wall Mount			
	Professional Audio (Loudspeaker Management System)			
	Wireless System For Public Speakers and Presenters			
	UHF Receiving/Transmitting Antenna			
	Speaker wire			
	Speaker wire			
	PVC Pipe 90mm x 3m (10 ft)			
	Wireless System			
	OEM Heavy Duty Microphone Stand			
	XS Series Dynamic Microphone			
	Wireless Microphone			
	3.5mm TRS Audio Jack			
	Microphone Cable			
	XLR Male Connector			
	XLR Female Connector			
	PL 55 TRS Connector			
	USB Audio Adapter			
	Amplifier Rack			
	Electrical wire			
	Electrical wire			

	Glass Acrylic TV Cover Cat 6 UTP Unshielded Cable (300 mtrs) HDMI Extender (Rx/Tx) Ultra HD 4K 4 Port HDMI Splitter 1x4 HDMI 4k 2.0V HDTV Cable (3 mtrs) Club XS 16ch Analog Audio Mixer Club XS 8ch Analog Audio Mixer 15" Passive Speaker HDMI 4k 2.0V HDTV Cable (20 mtrs) Conference Microphone Central Unit Conference Microphone Chairmans Unit Conference Microphone Delegates Unit 8 Pin Connector (10 meters) Soldering Led Soldering paste Ceramic Soldering Iron Electrical Tape (Big) Bolts and nuts 3/8x2 Bolts and nuts 1/2x1 Gray caster 3" swivel Gray caster 3" with brake TV wall bracket RG8 Coaxial Cable Regulated power supply PL259 Connector SC connector Horn Speaker Horn Speaker				
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

**Annex 6-B***(Page 2 of 5)***TECHNICAL BID FORM****PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

**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>4</b>	<b>DELIVERY:</b> <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. <b>b. Delivery Place: Marksmanship Training School, Training and Doctrine Command, Philippine Army, Camp O Donnel, Capas, Tarlac, Philippines</b> <b>c. Delivery must be done in the presence of Philippine Army authorized representatives.</b>	
<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

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 Date

**Annex 6-B**

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**TECHNICAL BID FORM****PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

**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>5</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 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.  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.  Until a formal contract is prepared and signed, this bid is binding on us.</p>		

\_\_\_\_\_  
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Date

**Annex 6-B**  
(Page 4 of 5)

**TECHNICAL BID FORM**

**PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC2-018-23**

**Approved Budget Contract: Php10,235,486.30**

**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>	<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.	
<b>7</b>	Warranty Period: One (1) year after final acceptance which includes full replacement of defective items free of charge.	
<b>8</b>	b. During TIAC Inspection: b.1. For items delivered within the delivery period, we will correct defects within 30 calendar days upon receipt of written Notice from the PAPC b.2. For items delivered after the lapse of the delivery period, we will correct defects, subject to the imposition of liquidated damages.	
<b>9</b>	In case of rejection, we shall immediately withdraw the items from the Project/Delivery site. Any loss or damage thereto after such declaration shall be our sole responsibility	
<b>10</b>	Replacement of defective Items upon delivery and Testing of Items: Any defects noted during delivery shall be corrected within Thirty (30) calendar days from receipt of Notice to Replace.	
<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 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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**Annex 6-B**  
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**PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC2-018-23  
Approved Budget Contract: Php10,235,486.30**

**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.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
<b>11</b>	<p><b><u>FOR LOCAL MANUFACTURERS:</u></b></p> <p>A. All expenses relative to inspection shall be for the account of the Procuring Entity.</p> <p>B. Acceptance Tests to be conducted as per prescribed Test and Acceptance Procedures (<b>Annex 6- C</b>).</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

ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

HEADQUARTERS  
COMMAND SIGNAL BATTALION, ARMY SIGNAL REGIMENT, PA  
Fort Andres Bonifacio, Metro Manila

**TECHNICAL SPECIFICATIONS FOR AUDIO – VISUAL SYSTEMS**

## 1. LED Wall System

## 1.1. LED Display Panel (Indoor and Outdoor) and Video Processor

TECHNICAL DATA	REQUIREMENT
Software/Image processing	Embedded Software for video scaling, color correction and image manipulation
Pixel Pitch	P1 and P2 (Indoor); P3(Outdoor)
Brightness	At least 1000-1200 Nits; CD/m
Viewing Angle	At least 140 degrees
Color Depth	16bit/68.719 Billion
Power Consumption (W)	320W/Pcs
Input Options	Supports HDMI, DVI, VGA and Display Port
Output Options	Support ethernet and fiber optic
Additional Features	Waterproof, Dustproof and UV protected/resistant (for outdoor type)
LED Wall Dimension (HxL)	At least 6meters x 9meters (h x w)

TECHNICAL DATA	REQUIREMENT
Software/Image processing	Embedded Software for video scaling, color correction and image manipulation
Pixel Pitch	P1 and P2 (Indoor); P3(Outdoor)
Display resolution	2079x1248=2594592pixels
Brightness	At least 1000-1200 Nits; CD/m
Viewing Angle	At least 140 degrees
Color Depth	16bit/68.719 Billion
Gray scale	16 bit
Power Consumption (W)	320W/Pcs
Input Options	Supports HDMI, DVI, VGA and Display Port
Output Options	Support ethernet and fiber optic
Additional Features	Waterproof, Dustproof and UV protected/resistant (for outdoor type)
LED Wall Dimension (HxL)	At least 6meters x 9meters (h x w)

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Procurement of LED Wall and End-Devices

HONOR. PATRIOTISM. DUTY.

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

**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.****1.2. Video Switcher**

TECHNICAL DATA	REQUIREMENT
Processing Resolution	1080p
Video Inputs	2xSDI 4xHDMI
Video Output	2xHDMI program 1xSDI program 1xHDMI monitor 1xSDI monitor
Connectivity Input – Output (I/O) Options	1xRJ45 LAN Input
Power Input – Output (I/O)	1x Barrel (12 VDC at 1.2A) Input
Power	Power supply: 12 VDC at 2A
Operating Temperature	12 to 92 Degrees F
Dimension	9.81x6.78x2.2"
Weight	1kg

**1.3. Web Presenter**

TECHNICAL DATA	REQUIREMENT
Inputs	1xHDMI, 1x 12G-SDI, 1x XLR line/Mic, 2x HiFi Analog, USB 3.0
Pixel Pitch	1x SDI Program Out, 1x 12G-SDI Loop Out, 1x HDMI Loop Out, USD
Brightness	5.51"x1.5"x6.69
Viewing Angle	1.4 lbs
Color Depth	AC Powered

**1.4. Computer System for interface and control****1.4.1. – Laptop Computer**

TECHNICAL DATA	REQUIREMENT
Operating System	At least Windows 10 Professional 64-bit
Processor	At least Intel Core i7 12 <sup>th</sup> Generation
Graphics Card	At least 6Gb VRam Dedicated Graphics Processing Unit
Display/Monitor	At least 15.6-inch Full-HD In-Plane Switching
Memory	At least 16GB DDR4 RAM
Storage	At least 1TB HDD, and; 1TB SSD

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Procurement of LED Wall and End-Devices

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Input – Output Ports	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) Headphone and Mic Combo Jack
Keyboard and Touchpad	Built-in Keyboard and Touchpad
Battery	Lithium Ion At least 8 hours
Camera	Built-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 and Wireless Mouse
Warranty	Two (2) years warranty

**1.4.2. – Desktop Computer**

TECHNICAL DATA	REQUIREMENT
Operating System	At least Windows 10 Professional 64-bit
Processor	At least Intel Core i7 12 <sup>th</sup> Generation
Graphics Card	At least 6Gb VRAM Separate Graphics
Display/Monitor	At least 15.6-inch Full-HD In-Plane Switching
Memory	At least 16GB DDR4 RAM
Storage	At least 1TB HDD, and; 1TB SSD
Input – Output (I/O) Parts	HDMI USB 3.0 Type A USB 3.0 Type C Network (RJ45) Headphone and Mic Combo Jack
Keyboard and Touchpad	With Keyboard and Mouse
Power Supply	Power supply with AVR/UPS
Camera	Separate Camera
Audio	Built-in Speakers Built-in Microphone
Network and Communication	Wi-Fi 6(802.11ax) Bluetooth 5.0

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.****Conforme:**\_\_\_\_\_  
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**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

Productivity Application	Microsoft Office 2019 Home and Student
Warranty	Two (2) years warranty

**2. Broadcast Camera**

TECHNICAL DATA	REQUIREMENT
Image Sensor	1"-Type MOS
Shutter type	Electronic rolling shutter
Shutter speed	1/10000 to 1/24 second
Optical zoom	30X optical zoom
External recording modes	SDI/BNC/HDMI/RJ45/Optical fiber
Broadcast output	NTSC/PAL
Supported control	RS-232
Mounting	4xM4 female for ceiling
Built-in ND filter	Mechanical filter wheel
Image stabilization	Optical integrated lens
Focus control	Autofocus

**3. Standard Video Camera System**

TECHNICAL DATA	REQUIREMENT
Pixel Count	20 MP
Resolution	4k resolution
Zoom Ratio	12x Optical Zoom (Clear image Zoom) 48x Digital Zoom (HD)
Sensor Type	CMOS
LCD Monitor	3.5"/8.8cm
Connectivity	HDMI, SDI
Media Type	1xSD/SDHC Memory
Dimension (WxHxD)	Approx: 6.7x7.4x14.6"
Power	Battery Pack: 7.2 VDC AC Adapter: 8.4 VDC

**4. Cable****4.1 UTP Cable**

TECHNICAL DATA	REQUIREMENT
Type	4 total of number of conductor 8 FTP foiled twister pair

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 4.2 HDMI Cable

TECHNICAL DATA	REQUIREMENT
Type	20m

## 4.3 HDMI Extender

TECHNICAL DATA	REQUIREMENT
Max. resolution	1080p

## 4.4 HDMI Splitter

TECHNICAL DATA	REQUIREMENT
Max. resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)

## 4.5 RJ 45

TECHNICAL DATA	REQUIREMENT
Type	8P8C RJ-45 Connector (8-pin connector)
	Through Hole PCB mount socket
	Compatible with all CAT and UDP cable

## 4.6 RG8 Coaxial Cable

TECHNICAL DATA	REQUIREMENT
Central conductor	Stranded pure copper conductor with a final diameter of 0.0855 inches
Dielectric Insulation	Solid polyethylene with an outside diameter of 0.285 inches
Outer conductor and shield	Pure copper wire braid
Jacket	PVC jacket
Nominal impedance	50 ohms
Nominal capacitance	28.5 picofarads per foot
Inner conductor DC resistance	1.9 ohms/1,000 feet

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Procurement of LED Wall and End-Devices

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Outer conductor DC resistance	1.2 ohms/1,000 feet
Operating temperature range	80 degrees Celsius to -40 C
Maximum voltage	4,000 volts DC
Attenuation at 1,000 MHz	Approximately 7.4 dB/ft
Attenuation at 4,000 MHz	Approximately 23 dB/ft

## 5. Monitor/TV

TECHNICAL DATA	REQUIREMENT
Type	LED TV (Smart TV)
Screen Size	Up to 100 inches monitor size
Resolution	3,840 x 2,160 pixels

## 6. Brackets/Frame for Monitor/TV

TECHNICAL DATA	REQUIREMENT
Type	LCD Bracket Swivel TV Wall Mount
Capacity	Heavy duty unit fits for most of 32-70" TV up to 40 kgs

## 7. Uninterrupted Power Supply

TECHNICAL DATA	REQUIREMENT
Ratings	1500VA/900W
Battery Capacity	2x 12V/8Ah
Interface	6x Universal Socket
Form Factor	Tower

## 8. Regulated Power Supply

TECHNICAL DATA	REQUIREMENT
Input Voltage	230
Capacity VA	1500VA
Capacity Watts	900

## 9. 4.2 HDMI Cable

TECHNICAL DATA	REQUIREMENT
Type	20m

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 10. Automatic Voltage Regulator 10000W

TECHNICAL DATA	REQUIREMENT
AVR 10000W	Single phase 100% Pure copper Voltage: AC 160-250V Frequency: 50Hz/60Hz Voltage: AC 220V/110V +/-3% Frequency (Inverter Mode): 50Hz/60Hz Meter: Digital meter Over/Low Volt Protection: Yes Short Circuit: Yes Delay: Long 240s/Short 5s AC-AC: 0.96 Noise level: ≤50dB

## 11. Automatic Voltage Regulator (smaller)

TECHNICAL DATA	REQUIREMENT
AVR 2000VA	Output Sockets: 3 1 Socket : 110V 2 Sockets: 220V With Internal Circuit Breaker for Over-Voltage Protection

## 12. Heavy Duty Speaker Stand/Wall Mount

TECHNICAL DATA	REQUIREMENT
Speaker Stand	Special Feature: Iron Reversible Post Tube Diameter: 3.5cm or 3.8cm Load Capacity: 60 kg Maximum Height: 168 cm Minimum Height: 100 cm Standard Post for all kind of speakers

TECHNICAL DATA	REQUIREMENT
Speaker Wall Mount	TILT ANGLE ADJUSTMENT: 90°-30°  Must be secured with a solid-steel pin that serves as safety-stop and

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Procurement of LED Wall and End-Devices

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	<p>effectively elevates speakers for optimum sound performance.</p> <p><b>DURABLE, RUGGED AND RELIABLE:</b></p> <p>Must be heavy-duty audio holder for loud music, PA speakers, studio monitor with rugged, durable and reliable metal for long-term use.</p> <p><b>BRACKET STAND HOLDERS:</b></p> <p>Must be heavy-duty reinforced solid formed steel construction. It mounts permanently and securely in most environments.</p>
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13. Professional Audio (Loudspeaker Management System)

TECHNICAL DATA	REQUIREMENT
Input	(2) line inputs. (1) RTA Mic input
Input Connectors	(2) Female XLR line inputs. XLR RTA Mic input
Input Type	Electronically balanced/RF filtered
Input Impedance	>40k ohm
CMRR	> 45dB
Mic Preamp Phantom Power	+15VDC (RTA)
Mic Preamp Equivalent Input Noise (EIN)	< -110dB, 22Hz-22kHz, 150 ohm (RTA)
Output	6 total
Output Connectors	Male XLR
Output Type	Electronically balanced, RF filtered
Output Impedance	120ohm
A/D Converter	dbx Type IV™ Conversion System
Sample Rate	48kHz
D/A Dynamic Range	112 dB A-weighted, 109dB unweighted
THD+Noise	0.003% typical at +4dBu, 1kHz, 0dB gain
Frequency Response	20Hz – 20kHz, +/- 0.5dB

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 14. Male Connector

TECHNICAL DATA	REQUIREMENT
Male Connector Plug 3.5mm 1/8'	Wiring diagram: PIN 1 Tip- Left audio PIN 2, Ring- Right Audio PIN 3, Sleeve-Ground

## 15. Wireless System for Public Speakers and Presenters

TECHNICAL DATA	REQUIREMENT
Receivers	Power supply 12 V DC nom. / 300 mA Housing Metal AF frequency response 50 to 16,000 Hz
Transmitter	Power supply 2 AA size batteries, 1.5 V AF frequency response 50 to 16,000 Hz (-3 dB) Microphone Condenser Modulation Wideband FM Output voltage 1/4" (6.3 mm) jack socket (unbalanced): +6 dBu, XLR socket (balanced): +12 dBu Pick-up pattern Omni-directional Frequency 8 frequency banks, each with up to 12 factory-preset channels Adjustment Range Transmitter 0 to -30 dB, adjustable in 10 dB steps Audio adjustment range 40 dB, adjustable in 5-dB steps RF output power 10 mW Frequency range A: 548-572 MHz, GB: 606-630 MHz, B: 614-638 MHz, C: 766- 790 MHz, D: 794-806 MHz, E:

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Procurement of LED Wall and End-Devices



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	821-832 MHz, 863-865 MHz, K: 925-937.5 MHz Line / Mic level 20 dB, switchable
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16. UHF Receiving/Transmitting Antenna

TECHNICAL DATA	REQUIREMENT
Passive directional antenna. Transmitting and receiving antenna	Impedance ▪ 50 Ohm Connector ▪ BNC Pick-up pattern ▪ directional Frequency range ▪ 450 - 960 MHz Antenna gain ▪ 4 dBi Opening angle ▪ +/- 50 degrees

17. PVC Pipe

TECHNICAL DATA	REQUIREMENT
PVC Pipe	90mm x 3m (10 ft)

18. Wireless System

TECHNICAL DATA	REQUIREMENT
Wireless System	<b>RELIABLE SIGNAL - Extend your range</b> With a range of up to 300 feet (100m)  <b>EASY SETUP – Own the stage</b> Must be up and running in record time with one-touch scan and selection.  <b>BATTERY LIFE – 14 hours of power</b>  <b>SYSTEMS EXPANSIONS – Run up to 12 channels per frequency band*</b>

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 19. Dynamic Microphone

TECHNICAL DATA	REQUIREMENT
Connectivity Technology	XLR
Connector Type	XLR
Special Feature	Clip
Compatible Devices	Audio Mixer, Radio, Amplifier, Karaoke Machine, Speaker
Color	Black
Included Components	Handheld microphone (cardioid, dynamic) with XLR-3 connector. Includes (1) clip and (1) carrying pouch Handheld microphone (cardioid, dynamic) with XLR-3 connector. Includes (1) clip and (1) carrying pouch
Polar Pattern	Unidirectional
Item Weight	15.68 Ounces

## 20. Wireless Microphone

TECHNICAL DATA	REQUIREMENT
Microphone	Polar Pattern: Cardioid Battery: 4 x AA Alkaline Frequency Response: 65 Hz to 15 kHz Signal to Noise Ratio: >60 dBA UHF: 470 to 960 MHz THD: <0.5%, typical Transmitter Power: <10 mW, typical
Receiver	Input: 1/4" / 6.3 mm (Unbalanced) Maximum Output Level: -13dBV, typical Battery: Lithium-ion Polymer 3.7 WH (Equivalent to 3.7 V, 1000 mAh) Charge Time: <3.5 hours @ 5 V / 1 A Charging Connector: USB Type-C Playback Time: Up to 6 Hours

## 21. 3.5mm TRS Audio Jack

TECHNICAL DATA	REQUIREMENT
3.5mm Audio Jack	Areas of Usage Mobile, Mirrorless, DSLR, Audio

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

	Battery Type Device Power Connections 3.5mm TRRS Frequency Response 20Hz-18kHz Microphone Category DSLR/Video Microphone Output Connectors 3.5mm TRS, 3.5mm TRRS Polar Pattern Super-Cardioid Type of Accessory (Light/Aud/Studio) Microphone Input Audio Interface input 3.5mm TRS Interface output 3.5mm TRS, 3.5mm TRRS (mobile) Mobile audio Yes Audio Application Mobile, Camera
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22. Microphone Cable

TECHNICAL DATA	REQUIREMENT
Microphone Cable	Length: 100m Cable thickness: approx. 12 cm

23. XLR Male Connector

TECHNICAL DATA	REQUIREMENT
XLR Male Plug Speaker Terminal Audio Microphone Audio Connector High Quality	Male Plug Audio Connector

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Procurement of LED Wall and End-Devices

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## ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

## 24. XLR Female Connector

TECHNICAL DATA	REQUIREMENT
XLR Female/Male/PL55 6.35mm Heavy Duty Audio Connector	Metal Furnish Black Heavy Duty 6.35mm Plug, XLR Female, XLR Male

## 25. Speaker Wire

TECHNICAL DATA	REQUIREMENT
AWG#14	<ul style="list-style-type: none"> <li>• Durable and Reliable</li> <li>• CCA (Copper Clad Aluminum)</li> <li>• Transparent</li> <li>• Heavy Duty Wire</li> </ul>

TECHNICAL DATA	REQUIREMENT
AWG#16	<ul style="list-style-type: none"> <li>• Durable and Reliable</li> <li>• CCA (Copper Clad Aluminum)</li> <li>• Transparent</li> <li>• Heavy Duty Wire</li> </ul>

## 26. PL55 TRS Connector

TECHNICAL DATA	REQUIREMENT
PL55 Mono Plug Microphone Plug Connector	<ul style="list-style-type: none"> <li>• 1/4" mono (TS) phono plug</li> <li>• Make your own cables to the perfect length</li> <li>• Repair your own cables and save money</li> <li>• Rugged diecast construction</li> <li>• Black finish</li> </ul>

## 27. USB Audio Adapter

TECHNICAL DATA	REQUIREMENT
USB External Sound Card Metal Type	<ul style="list-style-type: none"> <li>• Interface Type: USB2.0 A Male 3.5mm Female</li> </ul>

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	<ul style="list-style-type: none"> <li>Interface Technology: Gold Plated</li> <li>Sampling Rate: 44.1/48K@16bit</li> <li>Transmission Direction: USB to Headphones+Headset</li> <li>Shell: Aluminum Alloy</li> <li>Chip: HS-100B</li> <li>Conductor Material: Tinned Copper</li> <li>Wire Gauge: 28AWG</li> <li>Wire Body Shielding: Aluminum Foil</li> <li>Jacket Material: PVC</li> </ul>
--	---

28. Amplifier Rack

TECHNICAL DATA	REQUIREMENT
Amplifier Rack	<ul style="list-style-type: none"> <li>12RU Adjustable</li> <li>13RU Height</li> <li>Bearing type</li> </ul>

29. Electrical Wire

TECHNICAL DATA	REQUIREMENT
Electrical Wire	<ul style="list-style-type: none"> <li>14/2 white</li> <li>Pure Copper</li> </ul>

TECHNICAL DATA	REQUIREMENT
Electrical Wire	<ul style="list-style-type: none"> <li>16/2 white</li> <li>Pure Copper</li> </ul>

30. Glass Acrylic TV Cover

TECHNICAL DATA	REQUIREMENT
Screen Protector	<ul style="list-style-type: none"> <li>65"-70"</li> <li>Acrylic</li> </ul>

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## 31. Club XS 16ch Analog Audio Mixer

TECHNICAL DATA	REQUIREMENT
16ch Analog Audio Mixer	<ul style="list-style-type: none"> <li>• High-Performance 16-input small format analogue mixers with onboard effects</li> <li>• Effects Engine featuring Reverbs, Delays, and Choruses</li> <li>• Limiters (High-ratio Compressors) on input channels 2-in/2-out</li> <li>• USB audio playback and recording</li> <li>• Switchable Hi-Z inputs for guitars, basses and other instruments</li> <li>• Hi-Pass Filters (low-cut) and 48V Phantom Power on all mic channels</li> <li>• Smooth premium-quality faders</li> <li>• Robust metal construction for tour-grade build quality and reliability</li> <li>• Internal universal power supply.</li> </ul>

## 32. Club XS 8ch Analog Audio Mixer

TECHNICAL DATA	REQUIREMENT
8ch Analog Audio Mixer	<ul style="list-style-type: none"> <li>• 8+2, 12+2 and 20+2 channel input frame-sizes</li> <li>• Built-in 24 bit Lexicon digital effects processor</li> <li>• 32 FX settings</li> <li>• Tap Tempo and FX setting store function</li> <li>• 1 FX send on each channel</li> <li>• 2 configurable Aux busses</li> <li>• 2 Stereo Inputs</li> <li>• 2 Group busses</li> <li>• Stereo Mix Output</li> <li>• 2-track record output</li> <li>• 2-track replay input with level control</li> </ul>

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	<ul style="list-style-type: none"> <li>• Globally switched +48V Phantom Power</li> <li>• GB30 Mic Preamps</li> <li>• Peak LED</li> <li>• 100Hz HPF</li> <li>• Insert point (mono channels)</li> <li>• 3-band EQ with swept Mid band on mono inputs</li> <li>• 3-band EQ on stereo inputs</li> <li>• PFL switch</li> <li>• Mix and group routing</li> <li>• Signal Present LED</li> <li>• 60mm fader</li> <li>• Headphone and Control Room outputs with level control</li> <li>• 8+2 and 12+2 models rack-mountable (ears sold separately)</li> <li>• Integral universal power supply</li> </ul>
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33. 15" Passive Speaker

TECHNICAL DATA	REQUIREMENT
15" Passive 2 way	<ul style="list-style-type: none"> <li>• 15" Passive speaker cabinet</li> <li>• 1600 watts peak power</li> <li>• Neodymium components</li> <li>• Industrial grade 15mm 9-ply braced cabinets</li> <li>• Multiple M10 hanging points</li> <li>• Speakon NL4 connections</li> <li>• Robust metal grill</li> </ul>

34. Conference Microphone Central Unit

TECHNICAL DATA	REQUIREMENT
	<ul style="list-style-type: none"> <li>• Wireless Conference System Main Unit</li> <li>• Built-in 16 Channel WIFI frequencies</li> <li>• Record &amp; Play thru USB and with Bluetooth Function</li> <li>• 5 Groups of channel, Each channel have 130 Frequencies</li> <li>• FIFO function, only 4 units can use at the same time</li> </ul>

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- Wireless capabilities support an infinite number of units
- Built-in advanced encryption communication algorithm, completely eliminate communication errors and false action.
- Balance XLR & Unbalance PL output
- Automatic Shutdown. Host standby for more than 30 minutes.
- Workable distance up to 50 meters, depend on environment.
- Main Unit can be Rack Mount.

## 35. Conference Microphone Chairmans and Delegates

TECHNICAL DATA	REQUIREMENT
Conference Microphone Chairmans and Delegates	<ul style="list-style-type: none"> <li>• Push button switch for MIC ON/OFF</li> <li>• Priority button to override all active delegates units</li> <li>• Unidirectional electret condenser microphone</li> <li>• Red Ring Luminate to identify live Unit</li> <li>• Frequency Response: 70Hz-15KHz</li> <li>• Sensitivity: -47+3dB</li> <li>• Microphone Stem length: 41cm</li> <li>• Dual shielded captive cable</li> </ul>

## 36. 8 Pin Connector

TECHNICAL DATA	REQUIREMENT
8-Pin Mini-DIN Double Ended Cable	8-pin mini-DIN cables <ul style="list-style-type: none"> <li>• Black – primary 4-20 mA current analog output</li> <li>• Brown – secondary analog output (if used, DC only)</li> <li>• Red – RS-232 digital serial input</li> <li>• Orange – setpoint input or remote tare (via grounding)</li> <li>• Yellow – RS-232 digital serial output</li> </ul>

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	<ul style="list-style-type: none"> <li>Green – primary 0-5, 1-5 or 0-10 volt DC analog output</li> <li>Blue – DC power input</li> <li>Purple/White – ground</li> </ul> <p>Double-ended 8-pin cables</p>
--	---

37. Soldering Led

TECHNICAL DATA	REQUIREMENT
Soldering Led	<ul style="list-style-type: none"> <li>Good quality and heavy duty</li> <li>200GRAMS</li> <li>1.0MM</li> </ul>

38. Soldering Paste

TECHNICAL DATA	REQUIREMENT
Soldering Paste	<ul style="list-style-type: none"> <li>Use for welding and desoldering</li> <li>Smooth welding surface</li> <li>No spot appears in non-soldered area</li> <li>Excellent capacity of solder-stickiness</li> <li>Fluxing excellent results, joint high intensity</li> <li>Use no sour refining flux, semi-solid easy dumping</li> <li>The paste has a good diffusion and non-corrosion</li> <li>No-clean and Lead free for environmental protection</li> <li>The area and thickness to be soldered can be easily controlled.</li> </ul>

39. Ceramic Soldering Iron

TECHNICAL DATA	REQUIREMENT
Electric Welding Soldering Iron	<p>Power: 60W Cable Length: 143cm Type: Soldering Pen</p>

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	<p>Heating way: Internal heating Professional Soldering Tool is great for lead-free Soldering semiconductors High quality long lasting ceramic type heater. Adjustable temperature controlled Soldering Irons: 200-450°C (there is a knob wheel on the Electronic Solder Iron for temperature adjust)</p> <p>Package Content:</p> <ul style="list-style-type: none"> <li>• 1 x Electric Iron Solder</li> <li>• 1 piece x suction device</li> <li>• 1 piece x tin line</li> <li>• 1 piece x tweezers</li> <li>• 1 piece x Stent</li> <li>• 5 pieces x Soldering Iron Head</li> </ul>
--	---

40. Electrical Tape

TECHNICAL DATA	REQUIREMENT
Electrical Tape	<ul style="list-style-type: none"> <li>• 0.16mm x 19mm x 16m - Big</li> <li>• For splicing and insulation of wires</li> <li>• Repair of above ground electrical wires</li> <li>• BPS approved, PS mark, CSA and UL listed</li> <li>• Flame retardant polyvinyl chloride (PVC) based tape</li> <li>• Extreme flexibility and conformability</li> <li>• Resist high voltages</li> <li>• Tolerate temperature environment up to 80°C</li> </ul>

41. Bolt and Nut

TECHNICAL DATA	REQUIREMENT
Bolt and Nut	<ul style="list-style-type: none"> <li>• 1/2 x 1</li> </ul>

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TECHNICAL DATA	REQUIREMENT
Bolt and Nut	<ul style="list-style-type: none"> <li>• 3/8 x 2</li> </ul>

## 42. Gray caster 3" swivel

TECHNICAL DATA	REQUIREMENT
Type	<ul style="list-style-type: none"> <li>• No Brake</li> </ul>
Wheel Diameter	<ul style="list-style-type: none"> <li>• 3"</li> </ul>
Thickness	<ul style="list-style-type: none"> <li>• 21mm</li> </ul>
Capacity per set	<ul style="list-style-type: none"> <li>• 200kg</li> </ul>
Screw Thickness	<ul style="list-style-type: none"> <li>• 12mm</li> </ul>
Screw Height	<ul style="list-style-type: none"> <li>• 26mm</li> </ul>

## 43. Gray caster 3" with brake

TECHNICAL DATA	REQUIREMENT
Type	<ul style="list-style-type: none"> <li>• Swivel with Brake</li> </ul>
Wheel Diameter	<ul style="list-style-type: none"> <li>• 3"</li> </ul>
Thickness	<ul style="list-style-type: none"> <li>• 23mm</li> </ul>
Capacity	<ul style="list-style-type: none"> <li>• 50kg</li> </ul>
Stem Diameter	<ul style="list-style-type: none"> <li>• 15mm</li> </ul>
Stem Length	<ul style="list-style-type: none"> <li>• 40mm</li> </ul>

## 44. PL-259 Connector

TECHNICAL DATA	REQUIREMENT
PL-259 Connector	<ul style="list-style-type: none"> <li>• Made with High Quality Nickel Coated Metal</li> <li>• Pure Copper Finish Connector on the Inside</li> <li>• Compatible for most Coaxial Cables</li> <li>• Guaranteed to Eliminate or Reduce Static Noise</li> <li>• MALE PL-259 Connector Plugs</li> <li>• Solder Friendly Connector</li> </ul>

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## 45. SC Connector

TECHNICAL DATA	REQUIREMENT
Cable Type:	Fiber Optic
Connector Type:	Quick Connector
Model:	SC / UPC-P
Insertion loss:	≤0.3dB (Max0.5)
Return Loss:	≥50dB
Variation:	≤0.2db
Rally:	≥35N
Torque:	≥25N
Repeat assembly:	≥15 times

## 46. Horn Speaker

TECHNICAL DATA	REQUIREMENT
Type:	Speakers
Certification:	CE
Rated Power:	15W
Input	8Ω
Waterproof Rating:	IP66
Connector:	By speaker cable tail
Material	ABS
Waterproof	Yes
Speaker	Outdoor Speaker
Sensitivity	102dB
Frequency Response	300~8kHz

TECHNICAL DATA	REQUIREMENT
System Type	Horn type speaker / 2-way design
LF/HF	5 Transducer/Piezo Tweeter
Frequency response	250Hz-15KHz
Power Taps	100V:50W
Sensitivity	≥104dB
Impedance	High Imp. 365, can tap direct to PA amp with 100V line
Materials	Aluminum

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PREPARED BY:

  
**JEWEL RAY V MARCIA**  
Captain (SC) PA  
Technical Officer

NOTED BY:

  
**RAFAEL JASON T TALIPAN**  
Lt Colonel GSC (SC) PA  
Chairperson, TWG for C4S AARM

RECOMMENDED BY:

  
**CONSTANCIO M ESPINA II**  
Colonel GSC (SC) PA  
AC of S for C4S, G6, PA

APPROVED BY:

  
**ROY M GALIDO**  
Lieutenant General PA  
Commanding General, PA

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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

**TEST ACCEPTANCE PROCEDURE FOR THE AUDIO - VISUAL SYSTEM**

**1. REFERENCE:**

- 1.1. Approved Technical Specifications for AARM Audio-Visual System.

**2. OBJECTIVES:**

2.1. The objective of this TAP is to determine the completeness of the goods being delivered.

2.2. Compliance with the standards enumerated in the bidding documents.

2.3. To determine the 100% functionality of the required equipment and accessories for the AARM Audio-Visual System.

**3. GUIDELINES:**

3.1. The manufacturer/supplier shall ensure that the goods to be delivered as stated in the contract are packed before the inspection.

3.2. The rating system that will be involved in the Acceptance Test will be passed or failed only.

3.3. The acceptance test shall be composed of 100% Visual Inspection and 100% Functional Tests following the Approved Technical Specification for AARM Audio-Visual System.

3.4. In case of failure of any Goods during installation/assembly procedure, the supplier shall be given forty-five to sixty (45-60) calendar days for correction of defects/replacement of defective spare parts.

3.5. The warranty period shall only take effect upon final acceptance by PA TIAC.

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**3.6.** Failure to comply with this procedure shall entail the PROCURING ENTITY to reject the whole quantity during the Final Acceptance by PA TIAC.

**3.7.** In case one (1) requirement is missing during the visual inspection, the supplier shall be given fifteen (15) calendar days to complete the requirements, otherwise, the Philippine Army Technical Inspection and Acceptance Committee (PA TIAC) shall decline acceptance of the Goods and Services being delivered and thereafter shall inform the BAC in writing of the non-acceptance including the specific reasons for the same.

**4. PROCEDURES:**

The "Test Parameters and Procedures" is applicable for the Final Delivery and Acceptance of the required equipment and accessories for the AARM Audio-Visual System. It is divided into three (3) parts, Completeness Inspection, Visual Inspection, and Functional Testing Parameters and Procedures.

**4.1. COMPLETENESS INSPECTION:**

To determine the 100% completeness of the required equipment and accessories for the AARM Audio-Visual System as listed on the technical specification.

**4.1.1.** Required equipment and accessories for the AARM Audio-Visual System should coincide with the required quantity:

Item Nr	Checklist of required equipment and accessories for the AARM Audio-Visual System				
	Quantity	Unit	Description	Pass	Fail
1			LED Wall System		
2			Video Switcher		
3			Web Presenter		
4			Laptop Computer		
5			Desktop Computer		
6			Broadcast Camera		
7			Standard Video Camera System		
8			UTP Cable		
9			HDMI Cable		
10			HDMI Extender		
11			HDMI Splitter		
12			RJ 45		
13			RG8 Coaxial Cable		
14			Monitor/TV		
15			Brackets/Frame for Monitor/TV		
16			Uninterrupted Power Supply		
17			Regulated Power Supply		

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18		HDMI Cable		
19		Automatic Voltage Regulator 10000W		
20		Automatic Voltage Regulator (smaller)		
21		Speaker Stand		
22		Speaker Wall Mount		
23		Professional Audio (Loudspeaker Management System)		
24		Male Connector		
25		Wireless System for Public Speakers and Presenters		
26		UHF Receiving/Transmitting Antenna		
27		PVC Pipe		
28		Wireless System		
29		Dynamic Microphone		
30		Wireless Microphone		
31		3.5mm TRS Audio Jack		
32		Microphone Cable		
33		XLR Male Connector		
34		XLR Female Connector		
35		Speaker Wire #14		
36		Speaker Wire #16		
37		PL55 TRS Connector		
38		USB Audio Adapter		
39		Amplifier Rack		
40		Electrical Wire 14/2		
41		Electrical Wire 16/2		
42		Glass Acrylic TV Cover		
43		Club XS 16ch Analog Audio Mixer		
44		Club XS 8ch Analog Audio Mixer		
45		15" Passive Speaker		
46		Conference Microphone Central Unit		
47		Conference Microphone Chairmans and Delegates		
48		8 Pin Connector		
49		Soldering Led		
50		Soldering Paste		
51		Ceramic Soldering Iron		
52		Electrical Tape		
53		Bolt and Nut ½ x 1		
54		Bolt and Nut ¾ x 2		
55		Gray caster 3" swivel		
56		Gray caster 3" with brake		

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57			PL-259 Connector		
58			SC Connector		
59			Horn Speaker		
60			Horn Speaker		

**4.2. VISUAL INSPECTION PARAMETERS:****4.2.1. OVERALL WORKMANSHIP:**

4.2.1.1. Equipment Needed: None.

4.2.1.2. Purpose: To determine the required labeling/markings and overall workmanship of the required equipment and accessories for the AARM Audio-Visual System and its 100% completeness.

4.2.1.3. Procedure: Inspect the equipment and accessories for the AARM Audio-Visual System and its 100% completeness.

4.2.1.4. Standard:

4.2.1.4.1. There should be no dents, scratches, cracks, signs of corrosion, or other surface defects on the said spare parts.

4.2.1.4.2. Serial numbers and labels must be visible and readable on the said spare parts.

4.2.1.4.3. Spare parts should be properly sealed with labels/markings, date of manufacture, and serial number.

**4.3. FUNCTIONAL TESTING PARAMETERS:****4.3.1. LED WALL SYSTEM**

4.3.1.1. Equipment Needed:

4.3.1.1.1. Laptop/Desktop Computer with Windows Operating System; and

4.3.1.1.2. One (1) piece crimped Fiber Optic Cable.

4.3.1.2. Purpose: To determine the 100% functionality of the LED wall system.

4.3.1.3. Procedures:

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- and the LED wall system.
- 4.3.1.3.1. Power on the Laptop/Desktop Computer
- system.
- 4.3.1.3.2. Plug the FOC on laptop to the LED wall
- LED wall system.
- 4.3.1.3.3. Using the software display image in the
- 4.3.1.4. Standards:
- 4.3.1.4.1. The LED wall should power on.
- 4.3.1.4.2. Image should not distort and enables
- people to see clear and vivid images.

**4.3.2. VIDEO SWITCHER**

- 4.3.2.1. Equipment Needed: Camera, HDMI cable, laptop.
- 4.3.2.2. Purpose: To determine the 100% functionality of
- the Video Switcher.
- 4.3.2.3. Procedures:
- 4.3.2.3.1. Power on the video switcher.
- 4.3.2.3.2. Plug the HDMI cable from the video
- switcher to the laptop and camera.
- 4.3.2.3.3. Video footage captured by the different
- cameras should be switched from one footage to the other footage found in the laptop.

**4.3.3. WEB PRESENTER**

- 4.3.3.1. Equipment Needed: Camera, HDMI cable, laptop, and
- internet.
- 4.3.3.2. Purpose: To determine the 100% functionality of
- the Video Switcher.
- 4.3.3.3. Procedures:

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4.3.3.3.1. Power on the video switcher,

4.3.3.3.2. Plug the HDMI cable from the video switcher to the laptop and camera.

4.3.3.3.3. Video footage captured by the different cameras should be switched from one footage to the other footage found in the laptop and broadcasted to the internet.

**4.3.4. LAPTOP COMPUTER**

4.3.4.1. Equipment Needed: None

4.3.4.2. Purpose: To determine the 100% functionality of the laptop computer.

4.3.4.3. Procedures:

4.3.4.3.1. Power ON the device.

4.3.4.3.2. Open the "DirectX Diagnostic Tool".

4.3.4.3.3. Compare the displayed details in the required technical specifications.

4.3.4.4. Standards:

4.3.4.4.1. The laptop should power on.

4.3.4.4.2. The displayed details in the "DirectX Diagnostic Tool" should coincide with the approved technical specifications.

**4.3.5. DESKTOP COMPUTER**

4.3.5.1. Equipment Needed: None

4.3.5.2. Purpose: To determine the 100% functionality of the desktop computer.

4.3.5.3. Procedures:

4.3.5.3.1. Plug the UTP cable on both devices.

4.3.5.3.2. Open the "DirectX Diagnostic Tool".

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**

**Conforme:**

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

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

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date



**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

4.3.5.3.3. Compare the displayed details in the required technical specifications.

4.3.5.4. Standards:

4.3.5.4.1. The laptop should power on.

4.3.5.4.2. The displayed details in the "DirectX Diagnostic Tool" should coincide with the approved technical specifications.

**4.3.6. BROADCAST CAMERA**

4.3.6.1. Equipment Needed:

4.3.6.1.1. Laptop/Desktop Computer with Windows Operating System; and

4.3.6.1.2. One (1) Crimped UTP Cable.

4.3.6.2. Purpose: To determine the 100% functionality of the broadcast camera.

4.3.6.3. Procedures:

4.3.6.3.1. Power on both devices.

4.3.6.3.2. Connect the Laptop/Desktop Computer to the broadcast camera using UTP cables.

4.3.6.3.3. Using the "Command Prompt" application, conduct a "Ping Test" with the broadcast camera.

4.3.6.4. Standards:

4.3.6.4.1. The broadcast camera should power on.

4.3.6.4.2. The broadcast camera should be connected to the laptop as input device and its captured video should be displayed in the laptop at real time.

**4.3.7. STANDARD VIDEO CAMERA SYSTEM**

Page 7 of 14

Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**

**Conforme:**

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

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

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date



**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

4.3.7.1.1 Equipment Needed: Laptop/Desktop Computer with Windows Operating System; and

4.3.7.1.2. One (1) HDMI Cable.

4.3.7.2. Purpose: To determine the 100% functionality of the video camera.

4.3.7.3. Procedures:

4.3.7.3.1. Power on both devices.

4.3.7.3.2. Connect the Laptop/Desktop Computer to the video camera using HDMI cable.

4.3.7.4. Standards:

4.3.7.4.1. The video camera should power on.

4.3.7.4.2. The video camera should be connected to the laptop as input device and its captured video should be displayed in the laptop at real time.

**4.3.8. UTP CABLE**

4.3.8.1. Equipment Needed:

4.3.8.1.1. RJ45; and

4.3.8.1.2. LAN Cable Tester.

4.3.8.2. Purpose: To determine the 100% functionality of the UTP cable.

4.3.8.3. Procedures:

4.3.8.3.1. Crimp the two ends of the UTP Cable.

4.3.8.3.2. Plug the RJ45 connectors at the LAN ports of the LAN Cable Tester.

4.3.8.3.3. Power on the LAN Cable Tester.

4.3.8.4. Standards: There should be no red lights shown in

Page 8 of 14

Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**

**Conforme:**

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

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

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date

**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

the LAN Cable Tester.

**4.3.9. HDMI CABLE****4.3.9.1. Equipment Needed:**

4.3.9.1.1. Laptop/Desktop; and

4.3.9.1.2. TV/monitor.

HDMI cable.

**4.3.9.2. Purpose: To determine the 100% functionality of the****4.3.9.2. Procedures:**

4.3.9.2.1. Power on both devices.

4.3.9.2.2. Plug the HDMI cable on both devices

**4.3.9.3. Standards:**

4.3.9.3.1. The display on laptop automatically appears on monitor screen.

**4.3.10. HDMI EXTENDER****4.3.10.1. Equipment Needed:**

4.3.10.1.1 Laptop

4.3.10.1.2. HDMI Cable; and

4.3.10.1.2. TV/monitor

HDMI extender.

**4.3.10.2. Purpose: To determine the 100% functionality of the****4.3.10.3. Procedures:**

4.3.10.3.1. Power on both devices.

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**

**Conforme:**

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

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

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date



**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

4.3.10.3.2. Plug the HDMI cable to the extender connecting on Monitor Screen and Laptop.

4.3.10.4. Standards:

4.3.10.4.1. The display on laptop automatically appears on monitor screen.

**4.3.11. HDMI SPLITTER**

4.3.11.1. Equipment Needed:

4.3.11.1.1 Laptop

4.3.11.1.2. Camera

4.3.11.1.3. HDMI Cable; and

4.3.11.1.4. TV/monitor

HDMI splitter. 4.3.11.2. Purpose: To determine the 100% functionality of the

4.3.11.3. Procedures: cable.  
4.3.11.3.1. Power on all the devices.  
4.3.11.3.2. Connect all the devices using HDMI

4.3.11.4. Standards:

4.3.11.4.1. Connection should be stable and the display on laptop input by the camera automatically appears on monitor screen.

**4.3.12. LED TV**

4.3.12.1. Equipment Needed: None.

Led TV. 4.3.12.2. Purpose: To determine the 100% functionality of the

Page 10 of 14

Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.**

**Conforme:**

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

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

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date

**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.****4.3.12.3. Procedures:**

4.3.12.3.1. Power ON the device.

4.3.12.3.2. Open the settings.

4.3.5.3.3. Compare the displayed settings details in the required technical specifications.

**4.3.12.4. Standards:**

4.3.12.4.1. The TV should power on.

4.3.12.4.2. The displayed details in the settings should coincide with the approved technical specifications.

**4.3.12. FRAME/BRACKETS FOR TV****4.3.12.1. Equipment Needed:**

4.3.12.1.1 TV

4.3.12.2. Purpose: To determine the 100% functionality of the frame/brackets.

**4.3.12.3. Procedures:**

4.3.12.3.1. Mount the tv on the frame.

**4.3.12.4. Standards:**

4.3.12.4.1. The frame should be compatible to the mounting points and it should be able to carry weight of the tv.

**4.3.13. HDMI CABLE****4.3.13.1. Equipment Needed:**

4.3.13.1.1. Laptop/Desktop; and

4.3.13.1.2. TV/monitor.

4.3.13.2. Purpose: To determine the 100% functionality of the HDMI cable.

**4.3.13.2. Procedures:**

4.3.13.2.1. Power on both devices.

4.3.13.2.2. Plug the HDMI cable on both devices

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.****Conforme:**\_\_\_\_\_  
Bidder's Company Name\_\_\_\_\_  
Signature of Authorized Representative\_\_\_\_\_  
Designation\_\_\_\_\_  
Date



**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.****4.3.13.3. Standards:**

4.3.13.3.1. The display on laptop automatically appears on monitor screen.

**5. ACCEPTANCE OR REJECTION CHECKLIST:**

	PASS	FAIL
<b>A. VISUAL INSPECTION</b>		
No Dents		
No Scratches		
No Cracks		
No signs of corrosion		
Labels are visible and readable		
No signs of surface defects		
Spare parts are complete		
<b>B. VISUAL INSPECTION</b>		
LED Wall System		
Video Switcher		
Web Presenter		
Laptop Computer		
Desktop Computer		
Broadcast Camera		
Standard Video Camera System		
UTP Cable		
HDMI Cable		
HDMI Extender		
HDMI Splitter		
RJ 45		
RG8 Coaxial Cable		
Monitor/TV		
Brackets/Frame for Monitor/TV		
Uninterrupted Power Supply		
Regulated Power Supply		
HDMI Cable		
Automatic Voltage Regulator 10000W		
Automatic Voltage Regulator (smaller)		
Speaker Stand		
Speaker Wall Mount		
Professional Audio (Loudspeaker Management System)		
Male Connector		
Wireless System for Public Speakers and Presenters		
UHF Receiving/Transmitting Antenna		

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Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.****Conforme:**\_\_\_\_\_  
Bidder's Company Name\_\_\_\_\_  
Signature of Authorized Representative\_\_\_\_\_  
Designation\_\_\_\_\_  
Date



**ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

PVC Pipe		
Wireless System		
Dynamic Microphone		
Wireless Microphone		
3.5mm TRS Audio Jack		
Microphone Cable		
XLR Male Connector		
XLR Female Connector		
Speaker Wire #14		
Speaker Wire #16		
PL55 TRS Connector		
USB Audio Adapter		
Amplifier Rack		
Electrical Wire 14/2		
Electrical Wire 16/2		
Glass Acrylic TV Cover		
Club XS 16ch Analog Audio Mixer		
Club XS 8ch Analog Audio Mixer		
15" Passive Speaker		
Conference Microphone Central Unit		
Conference Microphone Chairmans and Delegates		
8 Pin Connector		
Soldering Led		
Soldering Paste		
Ceramic Soldering Iron		
Electrical Tape		
Bolt and Nut ½ x 1		
Bolt and Nut 3/8 x 2		
Gray caster 3" swivel		
Gray caster 3" with brake		
PL-259 Connector		
SC Connector		
Horn Speaker		
Horn Speaker		

**6. ACCEPTANCE AND REJECTION:**

Acceptability of lot/s shall be determined by the acceptance or rejection checklist wherein the delivered items must pass all the completeness, visual inspection, and functional testing. Failure in any of the requirements shall be subject to non-acceptance of the items.

**7. RESULT:**

Page 13 of 14

Procurement of LED Wall and End-Devices

**HONOR. PATRIOTISM. DUTY.****Conforme:**\_\_\_\_\_  
Bidder's Company Name\_\_\_\_\_  
Signature of Authorized Representative\_\_\_\_\_  
Designation\_\_\_\_\_  
Date


ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for C4S Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the above item/s.

PREPARED BY:

  
**JEWEL RAY V MARCIA**  
 Captain (SC) PA  
 Technical Officer


NOTED BY:

  
**RAFAEL JASON T TALIPAN**  
 Ltc Colonel GSC (SC) PA  
 Chairperson, TWG for C4S AARM

RECOMMENDED BY:

  
**CONSTANCIO M ESPINA II**  
 Colonel SC (GSC) PA  
 AC of S for C4S, G6, PA

APPROVED BY:

  
**ROY M GALIDO**  
 Lieutenant General PA  
 Commanding General, PA

**Conforme:**

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

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

\_\_\_\_\_  
 Designation

\_\_\_\_\_  
 Date



**NOTE: The items to be procured are enclosed in blue square.**

## Annex 7

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Omnibus Sworn Statement

---

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, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

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: \_\_\_\_\_



(Bidder's Company Letterhead)

## **WARRANTY UNDERTAKING**

### **PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC2-018-23**

**Approved Budget Contract: Php10,235,486.30**

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 one (1) 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 AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY****BID REF NO. SIG PABAC2-018-23****Approved Budget Contract: Php10,235,486.30**

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 \_\_\_\_\_ 2022 in \_\_\_\_\_, Philippines

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

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

\_\_\_\_\_  
Address

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

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

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

## Annex 10-A

## Bid Form for the Procurement of Goods

*[shall be submitted with the Bid]*

### BID FORM

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

Project Identification No.: \_\_\_\_\_

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules, If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

*[Insert this paragraph if Foreign-Assisted Project with the Development Partner:*

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount	Purpose of Commission or gratuity
_____		
_____		
_____		

\_\_\_\_\_

(if none, state "None") ] \_\_\_\_\_

\_\_\_\_\_

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

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

## Annex 10-B

## (Bidder's Company Letterhead)

**PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY**

**BID REF NO. SIG PABAC2-018-23**

**Approved Budget Contract: Php10,235,486.30**

**Financial Bid Form**

Description	Qty	ABC Price	Bidder's Proposal
		Total Price	Total Price
Web presenter	7	10,235,486.30	
PC monitor	4		
Uninterrupted power supply	6		
RJ 45	4		
Automatic Voltage Regulator	5		
Automatic Voltage Regulator (smaller)	3		
Male Connector	121		
Heavy Duty Speaker Stand Wall Mount	14		
Professional Audio (Loudspeaker Management System)	1		
Wireless System For Public Speakers and Presenters	28		
UHF Receiving/Transmitting Antenna	6		
Speaker wire	31		
Speaker wire	38		
PVC Pipe 90mm x 3m (10 ft)	380		
Wireless System	8		
OEM Heavy Duty Microphone Stand	23		
XS Series Dynamic Microphone	29		
Wireless Microphone	16		
3.5mm TRS Audio Jack	41		
Microphone Cable	50		
XLR Male Connector	274		
XLR Female Connector	274		
PL 55 TRS Connector	82		
USB Audio Adapter	21		
Amplifier Rack	14		
Electrical wire	8		
Electrical wire	16		
Glass Acrylic TV Cover	37		
Cat 6 UTP Unshielded Cable (300 mtrs)	27		
HDMI Extender (Rx/Tx)	97		
Ultra HD 4K 4 Port HDMI Splitter 1x4	37		
HDMI 4k 2.0V HDTV Cable (3 mtrs)	151		



Club XS 16ch Analog Audio Mixer	5		
Club XS 8ch Analog Audio Mixer	7		
15" Passive Speaker	50		
HDMI 4k 2.0V HDTV Cable (20 mtrs)	8		
Conference Microphone Central Unit	5		
Conference Microphone Chairmans Unit	5		
Conference Microphone Delegates Unit	60		
8 Pin Connector (10 meters)	8		
Soldering Led	1		
Soldering paste	10		
Ceramic Soldering Iron	16		
Electrical Tape (Big)	16		
Bolts and nuts 3/8x2	456		
Bolts and nuts 1/2x1	456		
Gray caster 3" swivel	456		
Gray caster 3" with brake	456		
TV wall bracket	66		
RG8 Coaxial Cable	100		
Regulated power supply	1		
PL259 Connector	2		
SC connector	40		
Horn Speaker	45		
Horn Speaker	10		
<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

**Annex 11**  
**FORM NO. 1**

**(Bidder's Company Letterhead)**

**PROCUREMENT OF AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC2-018-23**

**Approved Budget Contract: Php10,235,486.30**

**Price Schedule(s)  
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 AUDIO VIDEO SYSTEM EQUIPMENT  
FOR THE PHILIPPINE ARMY  
BID REF NO. SIG PABAC2-018-23  
Approved Budget Contract: Php10,235,486.30****Price Schedule(s)  
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.

