



**PAMBANSANG MUSEO NG PILIPINAS**  
**NATIONAL MUSEUM OF THE PHILIPPINES**

**BIDS AND AWARDS COMMITTEE**

## **BIDDING DOCUMENTS**

for the

# **PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023**

***(Philgephs Reference No. 9730647)***

## **TABLE OF CONTENTS**

|                      |   |
|----------------------|---|
| <b>Section I.</b>    | <b>Invitation to Bid</b>                              |
| <b>Section II.</b>   | <b>Instructions to Bidders</b>                        |
| <b>Section III.</b>  | <b>Bid Data Sheet</b>                                 |
| <b>Section IV.</b>   | <b>General Conditions of Contract</b>                 |
| <b>Section V.</b>    | <b>Special Conditions of Contract</b>                 |
| <b>Section VI.</b>   | <b>Schedule of Requirements</b>                       |
| <b>Section VII.</b>  | <b>Technical Specifications</b>                       |
| <b>Section VIII.</b> | <b>Checklist of Technical and Financial Documents</b> |
| <b>Annex A</b>       | <b>Packaging and Labeling Instructions</b>            |
| <b>Annex B</b>       | <b>Bidding Forms</b>                                  |
| <b>Annex C</b>       | <b>Terms of Reference</b>                             |

## **Section I. Invitation to Bid**



**PAMBANSANG MUSEO NG PILIPINAS**  
**NATIONAL MUSEUM OF THE PHILIPPINES**

**INVITATION TO BID FOR**  
**PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY**  
**2023**

1. The **NATIONAL MUSEUM OF THE PHILIPPINES**, through the *GAA FY 2023 intends* to apply the sum of **Twelve Million Five Hundred Pesos (Php 12,500,000.00)** being the ABC to payments under the project mentioned above. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **NATIONAL MUSEUM OF THE PHILIPPINES** now invites bids for the above Procurement Project. Delivery of the Goods and Services is required within **One Hundred Twenty (120) Calendar Days**. 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 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from the **NATIONAL MUSEUM OF THE PHILIPPINES BIDS AND AWARDS COMMITTEE** and inspect the Bidding Documents at the address given below from **Mondays – Fridays from 9:00 A.M.- 3:30 P.M.**
5. A complete set of Bidding Documents may be acquired by interested Bidders on **9 May 2023** from the given address below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty-Five Thousand Pesos (Php 25,000.00)* The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person, or through electronic means.*

6. The **NATIONAL MUSEUM OF THE PHILIPPINES** will hold a Pre-Bid Conference on **17 May 2023, 9:30 A.M.** at the address given below which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below. **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 **31 May 2023, 9:30 A.M.** at the address given below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **NATIONAL MUSEUM OF THE PHILIPPINES** 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:

*Mr. Edwin J. dela Rosa  
Head-BAC Secretariat  
2<sup>nd</sup> Floor, BAC Room, North Annex of the  
National Museum of Fine Arts Building (Motorpool)  
Padre Burgos Street, Manila 1000  
Website: [www.nationalmuseum.gov.ph](http://www.nationalmuseum.gov.ph)  
Tel. No. 8298-1100 Local 1014  
Email: [nationalmuseumbac@yahoo.com](mailto:nationalmuseumbac@yahoo.com)  
[bac@nationalmuseum.gov.ph](mailto:bac@nationalmuseum.gov.ph)*

(SGD)

**ATTY. MA. ROSENNE M. FLORES-AVILA**  
Chairperson  
Bids and Awards Committee

## **Section II. Instructions to Bidders**

## 1. Scope of Bid

The Procuring Entity, the ***National Museum of the Philippines*** wishes to receive Bids for the **PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023**, with identification number ***NMPBAC-PB-2023-05-01***.

The Procurement Project (referred to herein as "Project") is composed of one (1) 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 **GAA FY 2023** in the amount of **Twelve Million Five Hundred Thousand Pesos (Php 12,500,000.00)**.

2.2. The source of funding is: ***NGA, the General Appropriations Act or Special Appropriations***

## 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:

***For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.***
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## 6. Origin of Goods

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

## 7. Subcontracts

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



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

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address 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 period as provided in paragraph 2 of the IB*** 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.

## 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.

## 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<sup>1</sup> 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**.

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<sup>1</sup>

- 14.2. The Bid and bid security shall be valid until ***One Hundred Twenty (120) calendar days***. 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.

## **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 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 follows: ***One Project having several items that shall be awarded as one contract.***
- 19.5 Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## 20. Post-Qualification

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, or in the case of multi-year Framework Agreement, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant,}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**. For every mini-competition in Framework Agreement, the LCB shall likewise submit the required documents for final Post Qualification.}

## 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**

# Bid Data Sheet

| ITB Clause |   |                                  |  |         |                     |                                  |   |  |                          |
|------------|---|----------------------------------|--|---------|---------------------|----------------------------------|---|--|--------------------------|
| 5.3        | For this purpose, contracts similar to the Project shall be:<br><br>a. Procurement of ICT and Audio-Visual Equipment for FY 2023<br><br>b. Completed within within <b><i>the period as provided in paragraph 2 of the IB</i></b> prior to the deadline for the submission and receipt of bids.  |                                  |  |         |                     |                                  |   |  |                          |
| 7.1        | <b><i>Subcontracting is not allowed.</i></b>  |                                  |  |         |                     |                                  |   |  |                          |
| 14.1       | The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:<br><br>a. The amount of not less than <i>two percent (2%) of ABC</i> , if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee, or irrevocable letter of credit; or<br><br>b. The amount of not less than <i>five percent (5%) of ABC</i> if bid security is in Surety Bond. |                                  |  |         |                     |                                  |   |  |                          |
| 19.3       | The description of the lot(s) or items indicated below. <table><tr><td>Lot No.</td><td>Procurement Project</td><td>Approved Budget for the Contract</td></tr><tr><td>1</td><td><b>PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023</b></td><td><b>Php 12,500,000.00</b></td></tr></table>  |                                  |  | Lot No. | Procurement Project | Approved Budget for the Contract | 1 | <b>PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023</b> | <b>Php 12,500,000.00</b> |
| Lot No.    | Procurement Project   | Approved Budget for the Contract |  |         |                     |                                  |   |  |                          |
| 1          | <b>PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023</b>  | <b>Php 12,500,000.00</b>         |  |         |                     |                                  |   |  |                          |

## **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**

- 6.1. 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.
- 6.2. 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 Contract**

# Special Conditions of Contract

| GCC Clause |   |
|------------|---|
| 1          | <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>"The delivery terms applicable to this Contract are delivered to the place of destination indicated in the Annex "C" Terms of Reference. 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 Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity's Representative at the Project Site is <b>Resty D. Morancil, Information Technology Officer I.</b></p> <p><b>.Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>Performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>Furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <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;</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>For additional incidental service requirements indicated in the Annex "C" Terms of Reference</li> </ol> |

|  |  |
|--|--|
|  | <p>The Contract price for the Goods shall include the price charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p><b>Packaging –</b></p> <p>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.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity</p> <p>Name of the Supplier</p> <p>Contract Description</p> <p>Final Destination</p> <p>Gross Weight</p> <p>Any special lifting instructions</p> <p>Any special handling instructions</p> <p>Any relevant HAZCHEM classifications</p> <p>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.</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</p> |
|--|--|

|     |   |
|-----|---|
|     | <p>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 force majeure.</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> |
| 2.2 | <p>The terms of payment.</p> <p><b>**Note:</b><br/> <b><i>Kindly refer to the Terms of Reference ("Annex C") of the project for the Terms of Payment</i></b></p>  |
| 4   | <p>The inspections,</p> <p><b>**Note: Kindly refer to the Terms of Reference ("Annex C") of the project for the Inspections of Goods</b></p>  |

## **Section VI. Schedule of Requirements**

## Section VI. Schedule of Requirements

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

| <b>Lot No.</b> | <b>Procurement Project</b>                                       | <b>Delivered, Weeks/Months</b>                |
|----------------|--|---|
| 1              | <b>PROCUREMENT OF ICT AND AUDIO-VISUAL EQUIPMENT FOR FY 2023</b> | <b>One Hundred Twenty (120) Calendar Days</b> |

\*Note: For full details of the above-mentioned project, kindly refer to the Terms of Reference (Annex C of the Bidding Documents)

## **Section VII. Technical Specifications**



# Technical Specifications

| Procurement Project   | Statement of Compliance |     |  |    |  |
|---|-------------------------|-----|--|----|--|
| <p><b>SCOPE OF WORK</b></p> <p>To ensure equipment stability, the winning bidder/s must provide or deliver ICT equipment and software that meets the minimum technical criteria and comes with a three-year warranty, maintenance, and support on parts and labor.</p> <p><b>SUPPLIER SCOPE OF WORK</b></p> <p>The supply and delivery of ICT equipment includes software and accessories but not limited to the following:</p> <p><b>INSTALLATION</b></p> <p>All deliverables must be installed, established, and configured by the supplier, which includes the installation of anti-virus software and office applications on all desktop computers and laptops.</p>   |                         |     |  |    |  |
| <p><b>DETAILED TECHNICAL REQUIREMENTS</b></p> <p>Below are the minimum specifications of the required items to be procured:</p> <table><tr><th>ITEM W/ SPECIFICATION</th><th>QTY</th></tr><tr><td><p><b><u>DESKTOP FOR REGULAR USER (ALL-IN-ONE) WITH WEB CAMERA</u></b></p><p>Specifications:</p><p><b>Operating System:</b> Windows 11</p><p><b>Included Software:</b></p><p>At least MS Office Standard 2019 and Anti-virus</p><p><b>Panel Size:</b> at least 23.8-inch</p><p><b>Resolution:</b> at least FHD (1920 x 1080) 16:9</p><p><b>Panel Tech:</b> LCD</p><p><b>Brightness:</b> at least 250nits</p><p><b>IPS-level:</b> Wide View</p><p><b>On board processor:</b> at least 12M Cache, up to 4.4 GHz, 4 cores</p><p><b>DIMM Memory:</b> at least 8GB DDR4 SO-DIMM</p><p><b>Storage:</b> at least 1TB SATA 5400RPM 2.5" HDD + At least 256GB M.2 NVMe™ PCIe® 3.0 SSD</p><p><b>Expansion Slot(includes used):</b> At least 2 x M.2 2280 SSD slot and at least 2x DDR4 SO-DIMM slot</p><p><b>LAN:</b> At least 10/100/1000 GbE</p></td><td>55</td></tr></table> | ITEM W/ SPECIFICATION   | QTY | <p><b><u>DESKTOP FOR REGULAR USER (ALL-IN-ONE) WITH WEB CAMERA</u></b></p> <p>Specifications:</p> <p><b>Operating System:</b> Windows 11</p> <p><b>Included Software:</b></p> <p>At least MS Office Standard 2019 and Anti-virus</p> <p><b>Panel Size:</b> at least 23.8-inch</p> <p><b>Resolution:</b> at least FHD (1920 x 1080) 16:9</p> <p><b>Panel Tech:</b> LCD</p> <p><b>Brightness:</b> at least 250nits</p> <p><b>IPS-level:</b> Wide View</p> <p><b>On board processor:</b> at least 12M Cache, up to 4.4 GHz, 4 cores</p> <p><b>DIMM Memory:</b> at least 8GB DDR4 SO-DIMM</p> <p><b>Storage:</b> at least 1TB SATA 5400RPM 2.5" HDD + At least 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p><b>Expansion Slot(includes used):</b> At least 2 x M.2 2280 SSD slot and at least 2x DDR4 SO-DIMM slot</p> <p><b>LAN:</b> At least 10/100/1000 GbE</p> | 55 |  |
| ITEM W/ SPECIFICATION   | QTY                     |     |  |    |  |
| <p><b><u>DESKTOP FOR REGULAR USER (ALL-IN-ONE) WITH WEB CAMERA</u></b></p> <p>Specifications:</p> <p><b>Operating System:</b> Windows 11</p> <p><b>Included Software:</b></p> <p>At least MS Office Standard 2019 and Anti-virus</p> <p><b>Panel Size:</b> at least 23.8-inch</p> <p><b>Resolution:</b> at least FHD (1920 x 1080) 16:9</p> <p><b>Panel Tech:</b> LCD</p> <p><b>Brightness:</b> at least 250nits</p> <p><b>IPS-level:</b> Wide View</p> <p><b>On board processor:</b> at least 12M Cache, up to 4.4 GHz, 4 cores</p> <p><b>DIMM Memory:</b> at least 8GB DDR4 SO-DIMM</p> <p><b>Storage:</b> at least 1TB SATA 5400RPM 2.5" HDD + At least 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p><b>Expansion Slot(includes used):</b> At least 2 x M.2 2280 SSD slot and at least 2x DDR4 SO-DIMM slot</p> <p><b>LAN:</b> At least 10/100/1000 GbE</p>  | 55                      |     |  |    |  |

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| <p><b>Front-facing camera:</b> At least 720p HD camera</p> <p><b>Audio:</b> AI-powered two-way noise-canceling technology</p> <p>Built-in array microphone</p> <p>Built-in speakers</p> <p><b>Side I/O Port:</b></p> <p>At least 1x Headphone out</p> <p>At least 1x 3-in-1 card reader SD / MMC / MS</p> <p>At least 1x USB 3.2 Gen 1 Type-A</p> <p>At least 1x USB 3.2 Gen 2 Type-C</p> <p>At least</p> <p>1x Thunderbolt™ 4 supports display / power delivery</p> <p><b>Back I/O Port:</b></p> <p>At least 1x DC-in</p> <p>At least 1x Anti-theft lock</p> <p>At least 1x RJ45 Gigabit Ethernet</p> <p>At least 1x HDMI out 2.0a</p> <p>At least 1x Display port 1.4</p> <p>At least 2x USB 2.0 Type-A</p> <p>At least 2x USB 3.2 Gen 1 Type-A</p> <p><b>Accessories:</b></p> <p>Wireless keyboard</p> <p>Wireless optical mouse</p> <p><b>Ecolabels &amp; Compliances:</b></p> <p>Certified by TÜV Rheinland for eye comfort and low blue-light emissions</p> <p>Warranty: At least 3 Years</p> |   |  |  |
| <p><b><u>SPECIALIZED DESKTOP COMPUTER FOR TECHNICAL USERS</u></b></p> <p>Specifications:</p> <p><b>Form Factor :</b> Tower</p> <p><b>Size:</b> at least 9L</p> <p><b>Operating System:</b> Windows 11</p> <p><b>Software Included:</b></p> <p>At least Microsoft Office Standard 2019, Sketchup, Autocad and Anti-Virus</p> <p><b>Storage:</b> At least 1Tb SSD PCIE 3.0 + at least 2Tb HDD Sata 3.5"</p>   | 3 |  |  |

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| <p><b>WiFi:</b> Wi-Fi 6(802.11ax)+Bluetooth 5.2 (Dual band)<br/>2*2</p> <p><b>Processor:</b> at least 25M Cache, up to 5.0 GHz, 12 cores</p> <p><b>Graphics:</b> at least 8GB DDR6 : 3x DP, 2 x HDMI</p> <p><b>DIMM Memory:</b> at least 8GB DDR4 U-DIMM *2</p> <p><b>Front I/O Port:</b></p> <p>At least 1x Headphone</p> <p>At least 1x Mic in</p> <p>At least 1x USB 3.2 Gen 1 Type-A</p> <p>At least 1x USB 3.2 Gen 1 Type-C</p> <p><b>Rear I/O Port:</b></p> <p>At least 1x RJ45 Gigabit Ethernet</p> <p>At least 1x HDMI 2.0a</p> <p>At least 1x Display port 1.4</p> <p>At least 5 x Audio jacks</p> <p>At least 4x USB 2.0 Type-A</p> <p>At least 1x USB 3.2 Gen 2 Type-C</p> <p>At least 2x USB 3.2 Gen 2 Type-A</p> <p><b>Bundled Peripherals:</b></p> <p>Wired keyboard//Wired optical mouse</p> <p><b><u>Atleast 32"inch monitor</u></b></p> <p><b>Display:</b></p> <p>Curvature : at least 1800R</p> <p>Aspect Ratio : at least 16:9</p> <p>Panel Type : VA</p> <p>Panel Backlight : LED</p> <p>True Resolution : at least 2560x1440</p> <p>Display Viewing Area (HxV) : at least 697.344 x 392.256 mm</p> <p>Contrast Ratio (Typ.) : at least 3000:1</p> <p>Response Time : at least 1ms MPRT</p> <p>Display Colors : at least 1073.7M (10 bit)</p> <p>Refresh Rate (max) : at least 170Hz</p> <p><b>I/O Ports:</b></p> <p>DisplayPort 1.2 x 1</p> <p>HDMI (v2.0)x 1</p> <p>USB-Cx 1 (DP Alt Mode)</p> <p>Earphone jack : Yes</p> <p>USB Hub : At least 2x USB 3.2 Gen 1 Type-A</p> <p>USB 3.0 (Signal)x 1</p> <p>USB-C Power Delivery : 15W</p> <p><b>Accessories:</b></p> <p>DisplayPort cable</p> |  |  |  |
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| HDMI cable<br>Power adapter<br>Power cord<br>USB 3.0 cable<br><b>Warranty:</b> At least 3 years  |   |  |  |
| <b><u>HIGH END LAPTOP FOR MEDIA PRODUCTIONS</u></b><br>Specifications:<br><b>Operating System:</b> At least Windows 10<br><b>Software included:</b><br>At least MS Office Standard 2019, Autocad, Adobe Photoshop, Adobe InDesign<br><b>Military grade:</b> At least US military-grade standard<br><b>Panel Size:</b> at least 15.6-inch<br><b>Backlit:</b> LED Backlit<br><b>OLED:</b> LCD<br><b>Brightness:</b> at least 250nits<br><b>Resolution:</b> at least FHD (1920 x 1080) 16:9<br><b>IPS-level:</b> Wide view<br><b>Processor:</b> at least 12M Cache, up to 4.7 GHz, 4 cores<br><b>Expansion Slot(includes used):</b><br>At least 1x M.2 2280 PCIe 3.0x2<br>At least 1x STD 2.5" SATA HDD<br><b>On board memory:</b> At least 16G DDR4 on board<br><b>Storage:</b> At least 512GB M.2 NVMe™ PCIe® 3.0 SSD<br>HDD<br><b>Front-facing camera:</b><br>At least 720p HD camera//With privacy shutter<br><b>Wireless:</b> WiFi 6(802.11ax)+BT5.2 (Dual band) 2*2<br><b>I/O ports:</b><br>At least 1 x HDMI 1.4<br>At least 1x VGA Port (D-Sub)<br>At least 1x 3.5mm Combo Audio Jack<br>At least 1x RJ45 Gigabit Ethernet<br>At least 1x DC-in//1x USB 2.0 Type-A<br>At least 1x USB 3.2 Gen 1 Type-C support display / power delivery<br>At least 2x USB 3.2 Gen 2 Type-A//Micro SD card reader<br><b>Battery:</b> at least 42WHrs, 3S1P, 3-cell Li-ion<br><b>Security:</b><br>BIOS Booting User Password Protection<br>Computrace ready from BIOS<br>HDD User Password Protection and Security<br>Trusted Platform Module (TPM) 2.0<br>Fingerprint sensor integrated with Power Key<br>Anti-Theft Lock | 6 |  |  |

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| <b>Warranty</b> :At least 3 years  |   |  |  |
| <b><u>SPECIALIZED HIGH-END LAPTOP FOR HIGH RENDERING SOFTWARE'S</u></b><br>Specifications:<br><b>Operating System:</b> At least Windows 11<br><b>Software Included:</b><br>At least MS Office Standard 2019, Autocad and Sketchup,<br><b>Military grade:</b> At least US military-grade standard<br><b>Panel Size:</b> at least 16.0-inch (360°-flippable design)<br><b>Backlit:</b> LED Backlit<br><b>Brightness:</b> at least 500nits<br><b>Resolution:</b> at least WQXGA (2560 x 1600) 16:10<br><b>Touch Panel:</b> Touch screen<br><b>IPS-level:</b> Wide view<br><b>Processor:</b> at least 25M Cache, up to 4.8 GHz, 16 cores<br><b>Graphics:</b> At least 8GB GDDR6 with error-correction code (ECC)<br><b>VRAM:</b> At least 8GB GDDR6<br><b>Memory:</b> At least 8GB DDR5 SO-DIMM *2<br><b>Storage:</b> At least 1TB M.2 NVMe™ PCIe® 4.0 Performance SSD<br><b>Front-facing camera:</b><br>At least 720p HD camera with IR function<br>With privacy shutter<br>Wireless: Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth 5.2 (Vpro)<br><b>Keyboard type:</b><br>Backlit Chiclet Keyboard with Num-key<br><b>I/O Ports:</b><br>At least 2x USB 3.1 Gen 2 Type-A<br>At least<br>2x Thunderbolt™ 4 supports display / power delivery<br>At least At least 1x HDMI 2.0b<br>At least 1x 3.5mm Combo Audio Jack<br>At least 1x RJ45 Gigabit Ethernet<br>At least 1x DC-in<br>Smart card reader<br><b>Battery:</b> at least 90WHrs, 4S1P, 4-cell Li-ion<br><b>Security:</b><br>BIOS Booting User Password Protection<br>BIOS setup user password<br>Computrace ready from BIOS<br>HDD User Password Protection and Security<br>Trusted Platform Module (TPM) 2.0Fingerprint sensor integrated with Power Key | 1 |  |  |

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| <p><b>Included</b> :Carry bag and MPP 2.0 Pen</p> <p><b>Ecolabels &amp; Compliances:</b></p> <p>ISV certificated for professionals across industries</p> <p>EPEAT Silver, Energy star 8.0, RoHS, REACH</p> <p>Warranty: At least 3 Years</p>  |    |  |  |
| <p><b><u>VIDEOCONFERENCING SYSTEM FOR MID AND LARGE-SIZE ROOM</u></b></p> <p>Specifications:</p> <p>At least 10x Zoom PTZ Camera</p> <p>Sensor: At least 1/2.8 inch high quality HD CMOS sensor</p> <p>Effective Pixels: At least 2.1 Mega pixel, 16:9</p> <p>Optical zoom lens: At least 10xoptical zoom, f=3.1~15.5mm</p> <p>View angle: At least 88 degree</p> <p>Aperture value: F1.8 – F2.8</p> <p>Focus: Auto/Manual/One Push</p> <p>Rotation angle: Pan: -125°~+125°, Tilt:-30°~+30°</p> | 2  |  |  |
| <p><b><u>UNINTERRUPTIBLE POWER SUPPLY (UPS)</u></b></p> <p><b><u>1500VA/900WATTS</u></b></p> <p>Specifications:</p> <p>Output Capacity: 1500 VA/900 Watts</p> <p>Topology: Line Interactive</p> <p>Input Frequency: at least 50 ± 10, 60 ± 10</p> <p>Nominal Input Voltage: 230 ± 10%</p> <p>Waveform: Simulated Sinewave</p> <p>Runtime at 60W: at least 90 mins</p> <p>Battery Type: Sealed Lead-acid</p>   | 15 |  |  |
| <p><b><u>LED SMART TV WITH WALL BRACKET</u></b></p> <p>Specifications:</p> <p>Screen Size: At least 55 inches</p> <p>TV Resolution: At least Ultra HD 3840 x 2160</p> <p>Dimension (WxDxH): Package: at least 1226 x 81 x 711 mm</p> <p><b>Wall Mount</b></p> <p>Main Material: Steel</p> <p>Supports Flat-Panel TV Sizes: 37" to 90"</p> <p>Max Load: at least 75 kg / 165 lbs</p>   | 15 |  |  |
| <p><b><u>WIRELESS ACCESS POINTS</u></b></p> <p>Specifications:</p> <p>Components: 1 Box with 10 Access Points</p> <p>WiFi Standards: 802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 6</p> <p>Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)</p>  | 1  |  |  |

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| <p>Processor Specs: At least 1.35 GHz</p> <p>Network Interface: (1) 1 Gbps Ethernet RJ45</p> <p>Throughput: 3.0 Gbps aggregate throughput rate</p> <p>Power Method: 802.3at PoE, Passive PoE (48V)</p>   |   |  |  |
| <p><b><u>NETWORK SECURITY FIREWALL APPLIANCE</u></b></p> <p>Specifications:</p> <p>Interfaces: At least 24x1GbE, At least 6x10G SFP+, At least 4x5G SFP+, At least 2 USB 3.0, At least 1 Console, At least 1 Mgmt. port</p> <p>Storage: At least 128GB M.2</p> <p>Access Points Supported: Maximum of 512</p> <p>Connections per second: At least 22,000</p> <p>IPSec VPN throughput: At least 2.2 Gbps</p> <p>Logical VLAN and tunnel interfaces (maximum): At least 256</p> <p>Site-to-site VPN tunnels: At least 3,000</p> <p>Software License: At least 1 year</p> | 1 |  |  |
| <p><b><u>NETWORK SENSOR DEVICE W/MANAGED SECURITY OPERATIONS CENTER (MSOC)</u></b></p> <p>Ingested data: At least 1 GB</p> <p>Virtual Cores: At least 12</p> <p>Memory (GB): At least 32 GB</p> <p>Storage: At least 128gb</p> <p>Setup (up to 5 connectors) – Remote</p> <p><i>***Note: See additional features at 6.3***</i></p>   | 1 |  |  |
| <p><b><u>PROJECTOR WITH SCREEN</u></b></p> <p>Specifications:</p> <p>Type: At least Long Row</p> <p>Graphics Display: WXGA</p> <p>Panel Type: at least 0.59" LCD x 3</p> <p>Contrast Ratio: at least 20,000:1</p> <p>Brightness: at least 3,600 lumens</p> <p>Built in speaker: 10W monaural</p> <p>Power Supply: AC 100-240V, 50/60Hz</p> <p>Power Consumption: at least 300W</p> <p>Screen Size: At least 60" x 60"</p>  | 9 |  |  |
| <p><b><u>DSLR CAMERA</u></b></p> <p>Specifications:</p>  | 2 |  |  |

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| At least 24.1 megapixel APS-C sized sensor<br>At least 4K video With 120fps HD<br>Bluetooth* and Wi-Fi For image sharing and remote control<br>At least 180-degree Tilt-out touchscreen<br>Body Materials : Polycarbonate<br>Accessories Includes: Bag and SD Card at least 32 GB  |    |  |  |
| <b><u>CONFERENCE MICROPHONES (1 CHAIRMAN, 15 DELEGATES)</u></b><br>Specifications:<br>Main Unit Control Specification: <ul style="list-style-type: none"><li>• with record and play function thru USB or SD Card</li><li>• Equipment w/ 3 groups Extension Group for system connecting workable</li><li>• For at least 16 Mic Units each group</li><li>• output level LED Indicator</li><li>• Single, Multiple and many groups can be use simultaneously.</li><li>• with line volume for the unit source and mic volume for the external mic connection</li><li>• master volume control the mic line level</li><li>• with balance XLR Output</li><li>• with Extension to Other Main Unit in case will use more than 60pcs.</li></ul> Chairman and Delegate's Microphone Specification: <ul style="list-style-type: none"><li>• Microphone type: Condensor</li><li>• Polar Pattern: Cardioid</li><li>• Frequency Response: 40Hz - 18 kHz</li><li>• Max SPL: at least 120dB SPL</li><li>• Output Impedance: 150 ohms</li><li>• gooseneck Length: at least 22"</li></ul> ON/OFF Buttons<br>Vol. Control<br>Unidirectional Condenser Mic<br>Red Light indicate mic is ON | 4  |  |  |
| <b><u>POWERED SPEAKERS W/ SPEAKER STAND</u></b><br>Specifications:<br>Power: at least 1400W PEAK, 700W CONTINUOUS<br>Frequency Response: 41-20KHZ<br>Input Connector: At least 2X BALANCED COMBI XLR/1/4" JACK CONNECTORS<br>Output Connector: At least 1X BALANCED XLR MIX OUTPUT<br>Dimensions (Hwd): at least 15.2"   | 10 |  |  |



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| <p>Controls: VOLUME, LOGO ON/OFF, GROUND LIFT, EQ MODE</p> <p>Grille: STEEL, BLACK WITH ACOUSTIC FOAM BACKING</p>   |    |  |  |
| <p><b><u>POWERED SUBWOOFERS</u></b></p> <p>Specifications:</p> <p>Power: at least 1400W Peak</p> <p>Frequency Response: at least (-10) 35Hz -250Hz (Variable 60Hz - 200Hz)</p> <p>Max SPL (1M) (Peak): At least 130 dB</p> <p>Inputs: At least 2 x Balanced Left/Right XLR</p> <p>Outputs: At least 2 x Balanced Left/Right XLR link outputs, 2 x Balanced Left/Right XLR High-pass outputs</p> <p>Controls: Volume, variable frequency crossover</p> <p>Unit Dimensions (Hwd): at least 540 x 580 x 592mm, 21.3" x 22.8" x 23.3"</p> | 10 |  |  |
| <p><b><u>PORTABLE PA SYSTEM W/ SPEAKER STAND</u></b></p> <p>Specifications:</p> <p>Power: At least 1000 Watts</p> <p>Speaker Size: at least 10"</p> <p>Mixer Channels: at least 10</p> <p>Bluetooth: Yes</p> <p>Battery: At least 3200 MAh Hrs/ Lithium Ion</p> <p>Charging time: At least 2hrs</p> <p>Stage XPD1 Wireless Input: Yes</p> <p>FX Options: At least 16-Selectable</p> <p>XLR Channels: At least 4</p> <p>Stereo Channels: At least 3</p> <p>Input: 3.5mm, RCA Cables Included: Yes</p>                                  | 13 |  |  |
| <p><b><u>DIGITAL AUDIO MIXER</u></b></p> <p>Specifications:</p> <p>Microphone preamplifier:</p> <p>Channel: At least 24 Channels</p> <p>Input Type: XLR Female, balanced</p> <p>Frequency Response to Main Output (at unity gain): at least 20-20 kHz, ±0.5 dBu</p> <p>Input Impedance: at least 1 kΩ</p> <p>THD to Main Output: at least &lt;0.005%, +4 dBu, 20-20 kHz, unity gain, unwtd</p> <p>S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd): 94 dB</p>   | 1  |  |  |

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| <p>Common Mode Rejection Ratio (1 kHz at unity gain): at least 65 dB</p> <p>Gain Control Range (<math>\pm 1</math> dB): at least 0 dB to +60 dB</p> <p>Maximum Input Level (unity gain): at least +12 dBu</p> <p>Phantom Power (<math>\pm 2</math> VDC): at least 48 VDC, switchable per channel</p> <p>Line Inputs:</p> <p>grade: <math>\frac{1}{4}</math>" TRS Female, balanced</p> <p>Frequency Response to Main Output (at unity gain): at least 20-20 kHz, <math>\pm 0.5</math> dBu</p> <p>Input Impedance: atleast 10 k<math>\Omega</math></p> <p>THD to Main Output: atleast &lt;0.005%, +4 dBu, 20-20 kHz, unity gain, unwtd</p> <p>S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd): at least 94 dB</p> <p>Maximum Input Level: at least +18 dBu</p> <p>Line Outputs:</p> <p>grade: at least <math>\frac{1}{4}</math> "TRS Female, balanced</p> |   |  |  |
| <p><b><u>WIRELESS LAPEL MIC FOR MUSEUM GUIDES (COMPLEX &amp; REGIONAL MUSEUMS)</u></b></p> <p>Specifications:</p> <p>Components: 1 Box with 40 Lapel Mic Units</p> <p>Output power: At least 16W</p> <p>Battery Capacity: At least 2500mA</p> <p>Charging Voltage: DC 5V, 1A</p> <p>Charging time: at least 3 hours</p> <p>Working time: at least 8 ~15 hours</p> <p>Product size: at least 4.9"x3.3"x1.3</p> <p>Frequency response: at least 20Hz~20KHz</p>   | 2 |  |  |
| <p><b><u>DIGITAL RECORDER</u></b></p> <p>Specifications:</p> <p>Components: 1 Box with 5 units</p> <p>Built in Memory: At least 4GB</p> <p>Supports built-in Stereo Microphone</p> <p>Maximum Files (Total): at least 5000</p> <p>Maximum Files per folder: at least 199</p> <p>Playback Format: MP3/WMA/AAC-LC/L-PCM</p> <p>Supports Calendar Search</p> <p>Recording Format: MP3/L-PCM</p> <p>Battery Life for recording LPCM 44.1 KHZ, 16 BIT: at least 40 Hrs</p>  | 1 |  |  |

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| INPUT AND OUTPUT TERMINALS: [PC I/F] Hi-Speed USB [Input] Stereo Mic-in jack [Output] Stereo Earphone jack<br>Inclusions: with at least 32 GB SD card  |   |  |  |
| <b><u>QR CODE SCANNER</u></b><br>Specifications:<br>Components: 1 Box with 10 units<br>Scanning Technology: Array Imager<br>Decode Capability: 1D, 2D, PDF417<br>Supported Host Interfaces: USB, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485<br>Graphics Format Supported: BMP, JPEG, TIFF<br>Drop Specification: At least designed to withstand multiple drops at 5.0 ft. / 1.5 m to concrete<br>Environmental Sealing: IP52<br>Imager Field of View: at least 52° H x 33° V nominal  | 2 |  |  |
| <b><u>AUDIO PERIPHERALS</u></b><br>Specifications:<br>Micro HDMI to HDMI<br>At least 10 x XLR Audio Cable(20meters)<br>At least 10 x XLR Audio Cable(3meters)<br>At least 4 x USB Cable Active Extender (20m)  | 1 |  |  |
| <b><u>ANALOG AUDIO MIXER</u></b><br>Specifications:<br>Channel: At least 24 Channels<br>Microphone Preamp:<br>Type: XLR Female, Class A XMAX<br>Maximum Input level (unity gain): at least +9 dBu ±1.0 dB<br>Gain Control Range: at least 43 dB (+12 to +55 dB)<br>Line Inputs:<br>Type: at least ¼" TRS Female, Balanced<br>Gain Control Range: Mono Channels: at least 40 dB, ±1 dB (-5 to +35 dB)<br>Input Impedance (Balanced): at least 10 kΩ<br>Headphone Output:<br>Type: at least ¼" TRS Female, Stereo, Unbalanced<br>Maximum Output Level: at least 150 mW/channel @ 60 Ω<br>Frequency Response: at least 20 Hz to 20 kHz, +0.5/- 1.5 dB<br>Dynamic Range (A-wtd): > 103 dB<br>Low Cut: at least 100 Hz, -18 dB/Octave<br>High Shelving: at least ±15 dB @ 10 kHz<br>Mid Peaking (Mono Channels): at least ±15 dB @ 140 Hz to 3.5 kHz (variable) | 1 |  |  |

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| <p>Mid Peaking (Stereo Channels): at least <math>\pm 15</math> dB @ 2.5 kHz</p> <p>Mid-Band Q: Boost: 1.0, Cut: 2.5</p> <p>Low Shelving: <math>\pm 15</math> dB @ 100 Hz</p> <p>Physical:</p> <p>Height: at least 3.5" (89 mm)</p> <p>Width: (Chassis only) at least 18.9" (480 mm)</p> <p>Depth: at least 15.6" (397 mm)</p>  |   |  |  |
| <p><b><u>WIRELESS MIC WITH RECEIVER</u></b></p> <p>Specifications:</p> <p>Components: 1 box with 10 Wireless units</p> <p>Wireless Technology: Analog UHF</p> <p>Number of RF Channel Frequencies: At least 123</p> <p>Included Transmitters At least One(1) Handheld</p> <p>RF Frequency Band: H10: 542 to 572 MHz</p> <p>RF Bandwidth: At least 24 MHz</p> <p>RF Channel Scanning: Auto-Scan</p> <p>Max Operating Range: At least 300' / 91.4 m (Line of Sight)</p> <p>Max Transmitters per Band: At least 12</p> <p>Dynamic Range: At least 100 dBA</p> <p>Antenna: At least two(2) Internal</p> <p>Number of Audio Channels: At least one(1)</p> <p>Audio I/O: At least One (1) XLR 3-Pin Male Balanced Output</p> <p>At least one(1) 1/4" TS Female Unbalanced Output</p> <p>Audio Output Level</p> <p>XLR Output: At least -27 dBV (Mic Level)</p> <p>1/4" Output: At least -13 dBV (Instrument Level)</p> <p>Frequency Response: At least 50 Hz to 15 kHz (Dependent on Mic)</p> <p>Impedance</p> <p>XLR Output: At least 200 Ohms</p> <p>1/4" Output: At least 50 Ohms</p> <p>Power Requirements AC/DC Power Adapter</p> <p>AC/DC Power Adapter 12 to 15 VDC at 160 mA, Center-Positive (Included)</p> <p>AC Input Power: At least 100 to 240 VAC, 50 / 60 Hz</p> <p>Display &amp; Indicators: At least one(1) Multi-Segment LED (Channel, Group)</p> <p>At least Two(2) LED (AF Level, Sync)</p> <p>Transmitter Type Handheld</p> <p>RF Output Power 10 mW</p> <p>Muting Off/On Switch</p> <p>Auto-Level Control No</p> <p>Gain Range -20 to -10 dB</p> | 1 |  |  |

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| <p>Sync Method    Manual</p> <p>Antenna            1 x Internal (Handheld)</p> <p>Power Requirements    Battery</p> <p>Battery Type    2 x AA (Included)</p> <p>Approx. Battery Life    At least 14 Hours (Alkaline)</p> <p>Display &amp; Indicators    1 x Multi-Segment LED<br/>(Channel, Group)</p> <p>1 x LED (Battery Status, Power)</p> <p>Microphone Type        Handheld Capsule</p> <p>Sound Field        Mono</p> <p>Capsule            Dynamic</p> <p>Polar Pattern    Cardioid</p> <p>Frequency Range        50 Hz to 16 kHz</p> <p>Sensitivity        -55 dBV/Pa at 1 kHz</p> <p>Inclusion: with Rechargeable Battery and Charger</p>   |   |  |  |
| <p><b><u>PTZ CAMERA WITH JOYSTICK</u></b></p> <p>Specifications:</p> <p>Image Sensor: At least 1 / 2.8 inch CMOS 2.13MP</p> <p>Lens: at least 4.3-129mm</p> <p>Optical Zoom: at least 30x</p> <p>Mechanical:</p> <p>Shutter Speed: at least 1/1 – 1/10000s</p> <p>PAN: at least [Horizontal] 350° (±175°) continuous pan (Zoom Adaptive Speed Range: 0.05°~100°/s)</p> <p>TILT: [Vertical] +90° to -30° (Zoom Adaptive Speed Range: 0.05°~50°/s)</p> <p>Video Interface:</p> <p>Video Output: NDI /HDMI /SDI</p> <p>Audio I/O: 3.5mm Audio In (Stereo), 3.5mm Audio Out (Stereo)</p> <p>Video Formats: 1080p 60/59.94/50/29.97/25, 1080i 60/59.94/50, 720p 60/59.94/50</p> <p>Control Interface:</p> <p>IP PTZ Control: NDI Control (auto configuring), VISCA IP</p> <p>Serial PTZ Control: At least 2x RJ45:<br/>RS232/RS422/RS485</p> <p>Power: [INPUT] 12v DC, PoE+ (IEEE 802.3at),<br/>[CONSUMPTION] Min: 15.2W; Max: 19.7W</p> <p>Dimensions: at least 160x178x220mm</p> <p>Inclusion: wires included</p> | 1 |  |  |

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| <p><b>QUALIFICATIONS</b></p> <p>The Supplier should have the necessary eligibility, experience, and expertise in providing the equipment and service for the procurement of ICT Equipment:</p> <p>The Supplier service provider must have been in the market for providing either ICT security products or ICT services for at least 20 years</p> <p>The Supplier service provider must have at least 2 engineers certified by their respective principals to provide first level technical assistance aside from the presence of a local support team directly from the principal.</p> <p>The Technical engineers of the supplier / service provider must have a Professional certifications for Storage, Network and End point Security.</p> <p>The bidder or supplier must be an NTC Certified.</p>  |  |
| <p><b>WARRANTIES AND GUARANTIES</b></p> <p>The anti-virus software must have at least 1 year’ license coverage starting from delivery and installation.</p> <p>The winning Bidder must have Certified Engineer for Anti- Virus and provide initial training if possible.</p> <p>The winning bidder must conduct basic anti-virus training for NMP ICT Staff.</p> <p>The winning bidder must conduct basic Network Security Firewall Training for ICT Staff</p> <p>The winning bidder must provide a Valid and Current Manufacturer and reseller Certification for Network Sensor Device w/Managed Security Operations Center (MSOC) must included.</p> <p>Additional features:</p> <p>Requirements in the SIEM solution as part of NG SOC</p> <ul style="list-style-type: none"><li>• Assign alarm severities (example: Critical, Major, Minor, Informational)</li><li>• Acknowledge events as part of a workflow</li><li>• Customizable dashboard builder</li><li>• Pre-packaged Intelligence Module for database: Informix, MYSQL, MySQL, DB2, Oracle</li></ul> |  |

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| <ul style="list-style-type: none"><li>• Pre-packaged Intelligence Module, Dashboard and Report for Windows</li><li>• Pre-packaged the Intelligence Module, Dashboard and Report for Linux Servers</li><li>• Integration with (at least five) open source threat intelligence</li><li>• Generating report when DATA THEFT occurs</li><li>• The Solution must be able to apply both Supervised and Unsupervised Machine Learning and Adaptive Machine Learning on logs or traffic it receives from the following:</li><li>• Support Intelligent Platform Management Interface (IPMI)</li><li>• Encryption for authentication and transmission (AES-256 algorithm)</li><li>• Remote upgrades/updates</li><li>• Create and customize the role-based user access controls</li><li>• Back-up solution which includes backup storage and recovery process procedures</li><li>• Custom log parser (without additional cost)</li></ul> <p><b>Requirements in Detection</b></p> <ul style="list-style-type: none"><li>• Align all alerts to the Cyber Security Killchain</li><li>• Description of malware detected</li><li>• Supervised and unsupervised machine learning functionality</li><li>• Artificial Intelligence and Machine Learning functionality</li><li>• Integrated IDS</li><li>• Monitor Unknown Threats</li><li>• Discover capacity-constrained or idle systems</li><li>• On-premise Signatureless Detection Capability</li><li>• The Solution must have the User behavior Analytics capabilities</li><li>• Pe-built detections rules based on the Cyber Security Kill Chain Framework and Mitre Attack Framework compatibility</li></ul> <p><b>Requirements in Threat Hunting and Investigate</b></p> <ul style="list-style-type: none"><li>• Mask (e.g. password, credit card number) the data before storing it</li><li>• Monitor for known bad events; Use sophisticated correlation via search to find known risk patterns such as: brute force attacks, data leakage and application-level fraud</li><li>• Help security analysts conduct compromise and breach assessments</li></ul> |  |
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| <ul style="list-style-type: none"><li>• Allow analyst to build queries using combined search method; A single query may contain keywords, field based conditions and regular expressions</li><li>• Correlate and identify application performance issues due to security incident (e.g. DDOS attacks and unauthorized access)</li><li>• Link to Threat Intelligence in Alert</li><li>• Integrate with the SIEM security solution via security intelligence adapter and application</li><li>• Reveal evasion techniques used by malware such as stalling loops and environmental checks</li><li>• Fully commercial Kibana license (built in)</li><li>• Correlation of machine learning alerts presented as an incident</li><li>• Dashboard to analyze assets with the given risk score</li><li>• Wizard to build custom queries</li><li>• Query Management to manage saved queries</li><li>• Network threat hunting should use AI on network sources and enable hunting for attacks including but not limited to: Lateral Movement, Malware Beaconing, Data Exfiltration, Watering Hole, Targeted Network Attacks, Dynamic DNS attacks</li><li>• Identify suspicious or hitherto undiscovered communication patterns; Detection of newly discovered pattern</li><li>• SOAR (Security Orchestration Automation Response) capabilities to email, case management, Firewall, and Active Directory</li><li>• SIEM and SOAR automatically trigger playbooks that reside in orchestration products to perform instructions that include executing scripts or integrating with other tools</li><li>• Threathunt and automate the threathunt and apply to SOAR</li></ul> <p><b>Managed Security Service Provider</b></p> <ul style="list-style-type: none"><li>• Multi-Tenant solution</li><li>• Role Based Administration per tenant</li><li>• Auto Threathunting Playbooks per Tenant</li><li>• Reporting per Tenant</li><li>• Customizable dashboard per tenant</li></ul> |  |
| <p>The winning bidder must provide a valid and Current Manufacturer and reseller Certification for Antivirus must included</p> <p>Anti-Malware: Pattern-based</p> <p>Features and capabilities:</p>   |  |



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| <ul style="list-style-type: none"><li>• Machine learning and Behavioral Analytics against scripts, injection, ransomware, memory and browser attacks</li><li>• File Reputation, Variant Protection, Census Check, Web Reputation</li><li>• Exploit Prevention, Command and Control (C&amp;C) protection, Ransomware protection and ransomware encryption rollback</li><li>• Detection, Response and Isolation</li><li>• MAC Security and Device Control</li><li>• Threat Intelligence Sharing</li><li>• Visibility and control on on-premises, cloud and hybrid environment</li><li>• Integration to a cloud-based XDR Solution</li><li>• Security agent deployment: through network and remote</li><li>• Insightful investigative capabilities; Rapid response for suspicious objects/activities; Centralized visibility across network</li><li>• Off-premises protection</li></ul> <p><b>Management:</b></p> <ul style="list-style-type: none"><li>• Customizable dashboard</li></ul> <p><b>Application Control:</b></p> <ul style="list-style-type: none"><li>• Allow or deny functionality for known and unknown applications, file types and executables</li><li>• File reputation source for cross checking of known good files</li><li>• File reputation source is constantly up-to-date with the latest known good file listing</li><li>• Automated inventory scan categorizes installed applications</li><li>• Application control solution accepts whitelisting and blacklisting entries</li></ul> <p><b>Vulnerability Protection:</b></p> <ul style="list-style-type: none"><li>• Stop new or emerging threats</li><li>• Virtual patching for vulnerable Operating Systems</li><li>• Vulnerability protection is integrated on single security agent</li></ul> <p><b>Extended Detection and Response (XDR) Integration:</b></p> <ul style="list-style-type: none"><li>• Consolidated detection, investigation and response across email and endpoints</li><li>• Correlates email and endpoint detection using security analytics</li><li>• Mapping to the MITRE ATT&amp;CK TTPs for faster detection and higher fidelity alerts</li></ul> |  |
|--|--|

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| <ul style="list-style-type: none"><li>• Unified platform for easier investigation with graphical view and timeline of the attack</li><li>• Allow sweeps to identify indicators of compromise (IoC) and indicators of attack (IoA)Chain of events across email and endpoints; Run a root cause analysis; Investigate execution profile of attack; Identify scope of impact across assets</li><li>• Latest view of the security breaches and information</li><li>• Risk index: risk indicators , risky users, devices, and apps accessed over time</li><li>• Automatically asses and correlates risk based on: User identity, devices, network, data, apps, and infrastructure</li></ul> <p><b>Integrates up-to-the-minute intelligence reports not limited to the following:</b></p> <ul style="list-style-type: none"><li>a. Internal Threat Intel</li><li>b. Corporate security teams</li><li>c. Government agencies from Europe and North America</li><li>d. Information sharing organization</li><li>e. Security researchers</li><li>f. Security vendors</li></ul> <p><b>Inventory Management:</b> Maps and Correlates assets</p> <p><b>Incident Response Automation:</b> Form of Playbooks and Customized Response</p> <p>Playbooks</p> <p><b>Targeted Attack Detection:</b> Attack exposure to mitigate or prevent attacks</p> <p>Manufacturer’s authorization or its equivalent document, confirming that the bidder is authorized to provide the equipment and consumables supplied by the manufacturer, including any warranty obligations and after sales support as may be required.</p> <p>List of at least one (1) service center each in Metro Manila, Visayas &amp; Mindanao preferably in key major cities with complete addresses, contact persons and contact details or provide onsite service</p> <p>Valid certification from the manufacturer that the bidder is an authorized/exclusive Distributor or dealer of the products/items. If the bidder is the manufacturer, certificate that the bidder manufactures the products/items</p> |  |
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| <p>Proof that the manufacturer has presence in any of the following: a) any country in Western Europe, b) United States of America, c) Canada and/or d) Japan</p> <p>Certification that the items to be delivered are brand new.</p> <p>The Bidder must provide an ISO Certification for Laptops/Desktop</p> <p>Certificate that all of the equipment and components should be branded (not cloned or assembled).</p> <p>Manufacturer's Certificate indicating that the parts shall be available at the authorized Philippine Service Center/s for a period of three (3) years after the warranty period</p> <p>Certify that the Motherboard offered has a Brand etched or printed or embedded on it and with local depot for spare parts.</p> <p>Must be in TOP 5 international brand of any US Research company</p> <p>The Winning Bidder is expected to provide quality assurance, ensuring that any error or fault in any hardware, peripherals, pre-installed mandatory software, or installation tools given throughout the implementation is addressed, corrected, mitigated, and/or replaced at no cost to the company. Similarly, the <b>SUPPLIER</b> is obligated to provide "after sales service" and assurance that all equipment and installation are accurate, complete, operational, uncompromised, and error-free within the warranty term after final project acceptance.</p> <p>List with addresses and contact information of their service centers or accredited service centers, which will provide technical after sales support.</p> <p>Valid and Current Manufacturer and reseller Certification complies with the Managed Security Operation Centre Software</p> <p>A prospective Bidder must have completed contracts of similar nature within the last five (5) years from the date of submission and receipt of bids as follows:</p> <p>Single completed contract of similar nature amounting to at least fifty percent (50%) of the ABC; OR</p> |  |
|--|--|

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| At least two (2) completed contracts of similar nature and aggregate contract amounts must at least be equivalent to fifty percent (50%) of the ABC. The Largest of these similar contracts must be at least equivalent to twenty-five percent (25%) of the ABC.  |  |
| <b>DELIVERY OF PURCHASE ORDER/CONTRACT</b><br><br>The delivery of the units and licenses shall be within 120 calendar days from receipt of Purchase Order or Notice to Proceed.   |  |
| <b>LIQUIDATED DAMAGES:</b><br><br>Failure to comply with the terms and conditions of the contract will result in the payment of corresponding penalties/liquidated damages in the amount to 1/10 of 1% of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches 10% of the amount of the contract, NMP shall rescind the contract, without prejudice to other courses of action and remedies open to it. |  |

\*Note: For full details of the above mentioned project, kindly refer to the Terms of Reference (Annex C of the Bidding Documents)

## **Section VIII. Checklist of Technical and Financial Documents**

# Checklist of Technical and Financial Documents

## TECHNICAL COMPONENT ENVELOPE (FIRST ENVELOPE)

### *Class "A" Documents*

#### Legal Documents

- ☐ 1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- ☐ 2. 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; **and**
- ☐ 3. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- ☐ 4. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ 5. Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ 6. Original duly signed Omnibus Sworn Statement (OSS);  
**and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

- ☐ 7. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC); **or**  
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

### ***Class "B" Documents***

- ☐ 8. If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence; **or**  
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

### **FINANCIAL COMPONENT ENVELOPE (SECOND ENVELOPE)**

- ☐ 1. Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ 2. Original of duly signed and accomplished Price Schedule(s).

**Note: Please submit the following requirements in separate envelopes:**

- **E-copy of all the Eligibility, Technical and Financial components save in any storage device;**
- **Bid Bulletin, if any; and**
- **Photocopy of the Official Receipt of the Bidding Documents**

# ***Annex A Packaging and Labelling Instructions***



# PACKAGING AND LABELLING INTRUCTIONS

## 1. Two Envelope System

The ORIGINAL - TECHNICAL COMPONENTS requirements stated below shall be enclosed into a folder, same as with the ORIGINAL - FINANCIAL COMPONENTS requirements which will also be done in a separate folder. These two (2) folders shall be placed into separate envelope forming the **Two-Envelope System**.

Envelope 1: Technical Components (see attached listing)

Envelope 2: Financial Components (see attached listing)

2. The First Envelope, ORIGINAL - TECHNICAL COMPONENTS and the Second Envelope, ORIGINAL - FINANCIAL COMPONENTS should be sealed in an outer envelope marked as ORIGINAL BID. Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as "COPY NO. \_\_\_\_ - TECHNICAL COMPONENT" and "COPY NO. \_\_\_\_ – FINANCIAL COMPONENT" and the outer envelope as "COPY NO. \_\_\_\_", respectively. The First and Second envelope should be produced into three (3) copies marked as Copy No. 1 , Copy No. 2 and Copy No. 3.
3. All four (4) envelopes, Original, Copy No. 1, Copy No. 2 and Copy No. 3, shall be enclosed in a single envelope referred to as the **Mother Envelope**.
4. All documents must be marked with **Ear tabs**. There must be a Table of Contents indicating all the documents to be submitted per folder.
5. All envelopes should properly be **sealed, signed and labelled**. The folders should be labelled properly.
6. All copies must be **Certified True Copy** and signed.

TO:                   ATTY. MA. ROSENNE M. FLORES-AVILA

                          Chairperson

                          Bids and Awards Committee

                          National Museum of the Philippines

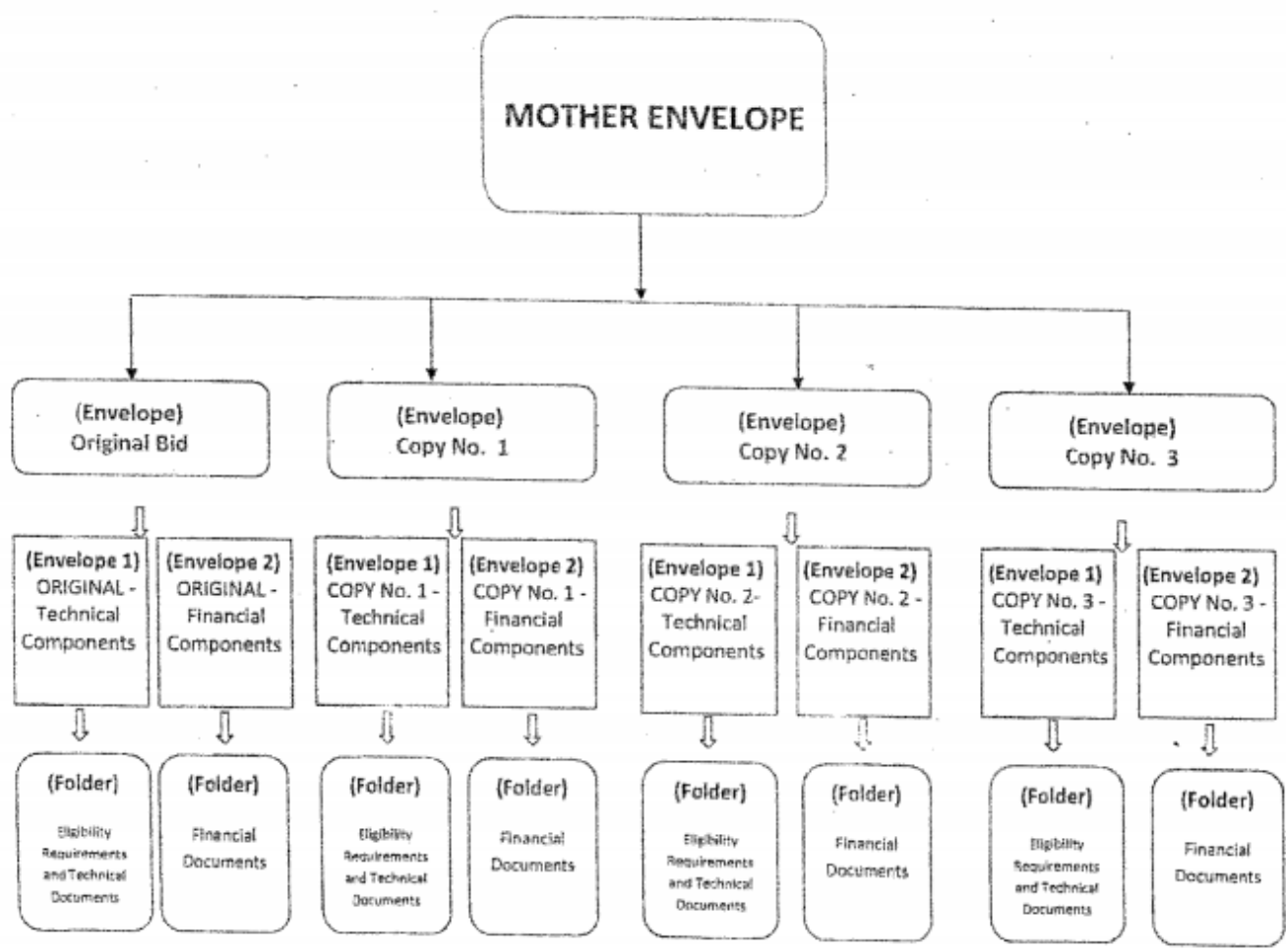
                          Padre Burgos Avenue, ermita Manila

FROM: Name of Company

                          Address & Telephone Number

Reference No.

PACKAGING AND LABELING INSTRUCTIONS (DIAGRAM)



# ***Annex B Bidding Form***

*Bid Form for the Procurement of Goods*  
***[shall be submitted with the Bid]***

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**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 and 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: \_\_\_\_\_

**Price Schedule for Goods Offered from Within the Philippines**

*[shall be submitted with the Bid if bidder is offering goods from within the Philippines]*

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**For Goods Offered from Within the Philippines**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ 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 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) |
|      |             |                   |          |                         |   |  |  |                                     |   |

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

Legal Capacity: \_\_\_\_\_

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

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

**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

\_\_\_\_\_

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 responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
- a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing 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

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Bid Securing Declaration Form**

*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

REPUBLIC OF THE PHILIPPINES)

CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**

**Project Identification No.: *[Insert 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 procurement 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 Declaration, 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 No. 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 reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

***[Jurat]***

*[Format shall be based on the latest Rules on Notarial Practice]*

**Performance Securing Declaration (Revised)**

*[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]*

REPUBLIC OF THE PHILIPPINES)

CITY OF \_\_\_\_\_ ) S.S.

**PERFORMANCE SECURING DECLARATION**

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture r/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
- 2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
- 3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

**IN WITNESS WHEREOF**, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory’s legal capacity]*

Affiant

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Contract Agreement Form for the Procurement of Goods (Revised)**

***[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]***

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**CONTRACT AGREEMENT**

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [name of PROCURING ENTITY] of the Philippines (hereinafter called "the Entity") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures in specified currency]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
  - i. Philippine Bidding Documents (PBDs);
    - i. Schedule of Requirements;
    - ii. Technical Specifications;
    - iii. General and Special Conditions of Contract; and
    - iv. Supplemental or Bid Bulletins, if any
  - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
  - iii. Performance Security;
  - iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
  - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently**

**required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

- 3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
- 4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

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

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*for:*

*[Insert Procuring Entity]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*for:*

*[Insert Name of Supplier]*

**Acknowledgment**

*[Format shall be based on the latest Rules on Notarial Practice]*

## ***Annex C Terms of Reference***

TERMS OF REFERENCE

*“Procurement of ICT and Audio-Visual Equipment for FY 2023*

1. INTRODUCTION

The National Museum, a Trust of the Government, is an educational, scientific and cultural institution that acquires, documents, preserves, exhibits, and fosters scholarly study and public appreciation of works of art, specimens and cultural and historical artifacts representative of or unique to the cultural heritage of the Filipino people and the natural history of the Philippines.

The NMP recognizes the rapid environmental changes brought about by technological advancements and seizes the opportunity to use modern technology by establishing an organizational framework for the harmonization of all ICT efforts, paving the way for the procurement of necessary hardware equipment for technological capability upgrades.

With the fast-growing IT industry and quick development of new IT solutions, the NMP organization ensures that it is up to date with the digital era and is moving toward Digital Transformation.

2. PROJECT OBJECTIVES

The main objective of the procurement of ICT Equipment and software is to:

- 2.1. To replace the defective, obsolete and unserviceable ICT equipment of the agency;
- 2.2. To acquire up-to-date, reliable, dependable, and efficient ICT equipment and productivity software;
- 2.3. To provide support during the conduct of videoconference meetings and information systems development; and
- 2.4. To improve office productivity and through the upgrading of ICT equipment and software and provision of training programs for employees and staff.

3. SCOPE OF WORK

To ensure equipment stability, the winning bidder/s must provide or deliver ICT equipment and software that meets the minimum technical criteria and comes with a three-year warranty, maintenance, and support on parts and labor.

3.1. SUPPLIER SCOPE OF WORK

The supply and delivery of ICT equipment includes software and accessories but not limited to the following:

3.1.1. HARDWARE

| Lot No. | Item No. | ITEM  | QTY |
|---------|----------|---|-----|
| 01      | 01       | Desktop for Regular User (All-in-one) with Web Camera | 55  |
|         | 02       | Specialized Desktop Computer for Technical Users      | 3   |
|         | 03       | High End Laptop for Media Productions                 | 6   |



|  |    |   |    |
|--|----|---|----|
|  | 04 | Specialized High-End Laptop for High Rendering software's         | 1  |
|  | 05 | Videoconferencing system for mid and large-size room              | 5  |
|  | 06 | Uninterruptible Power Supply (UPS) 1500VA/900Watts                | 2  |
|  | 07 | LED Smart TV with Wall  | 15 |
|  | 08 | Wireless Access Points  | 1  |
|  | 09 | Network Security Firewall Appliance                               | 1  |
|  | 10 | Network Sensor Device w/Managed Security Operations Center (MSOC) | 1  |
|  | 11 | DSLR Camera   | 2  |
|  | 12 | Conference Microphones (1 Chairman, 15 Delegates)                 | 4  |
|  | 13 | Powered Speakers  | 10 |
|  | 14 | Powered Subwoofers  | 10 |
|  | 15 | Portable PA System  | 13 |
|  | 16 | Digital Audio Mixer   | 1  |
|  | 17 | Wireless Lapel Mic for Museum Guides (Complex & Regional Museums) | 2  |
|  | 18 | Digital Recorder  | 1  |
|  | 19 | QR Code Scanner   | 2  |
|  | 20 | Audio Peripherals   | 1  |
|  | 21 | Analog Audio Mixer  | 1  |
|  | 22 | Wireless Mic with Receiver  | 1  |
|  | 23 | NDI PTZ Camera with Joystick Controller                           | 1  |

### 3.1.2. INSTALLATION

All deliverables must be installed, established, and configured by the supplier, which includes the installation of anti-virus software and office applications on all desktop computers and laptops.

### 4. DETAILED TECHNICAL REQUIREMENTS

Below are the minimum specifications of the required items to be procured:

| ITEM W/ SPECIFICATION   | QTY | Unit Cost | Total Cost   |
|---|-----|-----------|--------------|
| <b><u>DESKTOP FOR REGULAR USER (ALL-IN-ONE) WITH WEB CAMERA</u></b><br>Specifications:<br><b>Operating System:</b> Windows 11<br><b>Included Software:</b><br>At least MS Office Standard 2019 and Anti-virus<br><b>Panel Size:</b> at least 23.8-inch<br><b>Resolution:</b> at least FHD (1920 x 1080) 16:9<br><b>Panel Tech:</b> LCD<br><b>Brightness:</b> at least 250nits<br><b>IPS-level:</b> Wide View<br><b>On board processor:</b> at least 12M Cache, up to 4.4 GHz, 4 cores | 55  | 60,000.00 | 3,300,000.00 |

|  |   |            |            |
|--|---|------------|------------|
| <p><b>DIMM Memory:</b> at least 8GB DDR4 SO-DIMM</p> <p><b>Storage:</b> at least 1TB SATA 5400RPM 2.5" HDD +<br/>At least 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p><b>Expansion Slot(includes used):</b> At least 2 x M.2 2280 SSD slot and at least 2x DDR4 SO-DIMM slot</p> <p><b>LAN:</b> At least 10/100/1000 GbE</p> <p><b>Front-facing camera:</b> At least 720p HD camera</p> <p><b>Audio:</b> AI-powered two-way noise-canceling technology<br/>Built-in array microphone<br/>Built-in speakers</p> <p><b>Side I/O Port:</b><br/>At least 1x Headphone out<br/>At least 1x 3-in-1 card reader SD / MMC / MS<br/>At least 1x USB 3.2 Gen 1 Type-A<br/>At least 1x USB 3.2 Gen 2 Type-C<br/>At least<br/>1x Thunderbolt™ 4 supports display / power delivery</p> <p><b>Back I/O Port:</b><br/>At least 1x DC-in<br/>At least 1x Anti-theft lock<br/>At least 1x RJ45 Gigabit Ethernet<br/>At least 1x HDMI out 2.0a<br/>At least 1x Display port 1.4<br/>At least 2x USB 2.0 Type-A<br/>At least 2x USB 3.2 Gen 1 Type-A</p> <p><b>Accessories:</b><br/>Wireless keyboard<br/>Wireless optical mouse</p> <p><b>Ecolabels &amp; Compliances:</b><br/>Certified by TÜV Rheinland for eye comfort and low blue-light emissions<br/>Warranty: At least 3 Years</p> |   |            |            |
| <p><b><u>SPECIALIZED DESKTOP COMPUTER FOR TECHNICAL USERS</u></b></p> <p>Specifications:</p> <p><b>Form Factor :</b> Tower</p> <p><b>Size:</b> at least 9L</p> <p><b>Operating System:</b> Windows 11</p> <p><b>Software Included:</b><br/>At least Microsoft Office Standard 2019, Sketchup, Autocad and Anti-Virus</p> <p><b>Storage:</b> At least 1Tb SSD PCIE 3.0 + at least 2Tb HDD Sata 3.5"</p> <p><b>WiFi:</b> Wi-Fi 6(802.11ax)+Bluetooth 5.2 (Dual band) 2*2</p> <p><b>Processor:</b> at least 25M Cache, up to 5.0 GHz, 12 cores</p>  | 3 | 250,000.00 | 750,000.00 |

|  |   |           |            |
|--|---|-----------|------------|
| <p><b>Graphics:</b> at least 8GB DDR6 : 3x DP, 2 x HDMI</p> <p><b>DIMM Memory:</b> at least 8GB DDR4 U-DIMM *2</p> <p><b>Front I/O Port:</b></p> <p>At least 1x Headphone</p> <p>At least 1x Mic in</p> <p>At least 1x USB 3.2 Gen 1 Type-A</p> <p>At least 1x USB 3.2 Gen 1 Type-C</p> <p><b>Rear I/O Port:</b></p> <p>At least 1x RJ45 Gigabit Ethernet</p> <p>At least 1x HDMI 2.0a</p> <p>At least 1x Display port 1.4</p> <p>At least 5 x Audio jacks</p> <p>At least 4x USB 2.0 Type-A</p> <p>At least 1x USB 3.2 Gen 2 Type-C</p> <p>At least 2x USB 3.2 Gen 2 Type-A</p> <p><b>Bundled Peripherals:</b></p> <p>Wired keyboard//Wired optical mouse</p> <p><b><u>Atleast 32"inch monitor</u></b></p> <p><b>Display:</b></p> <p>Curvature : at least 1800R</p> <p>Aspect Ratio : at least 16:9</p> <p>Panel Type : VA</p> <p>Panel Backlight : LED</p> <p>True Resolution : at least 2560x1440</p> <p>Display Viewing Area (HxV) : at least 697.344 x 392.256 mm</p> <p>Contrast Ratio (Typ.) : at least 3000:1</p> <p>Response Time : at least 1ms MPRT</p> <p>Display Colors : at least 1073.7M (10 bit)</p> <p>Refresh Rate (max) : at least 170Hz</p> <p><b>I/O Ports:</b></p> <p>DisplayPort 1.2 x 1</p> <p>HDMI (v2.0)x 1</p> <p>USB-Cx 1 (DP Alt Mode)</p> <p>Earphone jack : Yes</p> <p>USB Hub : At least 2x USB 3.2 Gen 1 Type-A</p> <p>USB 3.0 (Signal)x 1</p> <p>USB-C Power Delivery : 15W</p> <p><b>Accessories:</b></p> <p>DisplayPort cable</p> <p>HDMI cable</p> <p>Power adapter</p> <p>Power cord</p> <p>USB 3.0 cable</p> <p><b>Warranty:</b> At least 3 years</p> |   |           |            |
| <p><b><u>HIGH END LAPTOP FOR MEDIA PRODUCTIONS</u></b></p> <p>Specifications:</p>  | 6 | 90,000.00 | 540,000.00 |

|  |   |            |            |
|--|---|------------|------------|
| <p><b>Operating System:</b> At least Windows 10</p> <p><b>Software included:</b></p> <p>At least MS Office Standard 2019, Autocad, Adobe Photoshop, Adobe InDesign</p> <p><b>Military grade:</b> At least US military-grade standard</p> <p><b>Panel Size:</b> at least 15.6-inch</p> <p><b>Backlit:</b> LED Backlit</p> <p><b>OLED:</b> LCD</p> <p><b>Brightness:</b> at least 250nits</p> <p><b>Resolution:</b> at least FHD (1920 x 1080) 16:9</p> <p><b>IPS-level:</b> Wide view</p> <p><b>Processor:</b> at least 12M Cache, up to 4.7 GHz, 4 cores</p> <p><b>Expansion Slot(includes used):</b></p> <p>At least 1x M.2 2280 PCIe 3.0x2</p> <p>At least 1x STD 2.5" SATA HDD</p> <p><b>On board memory:</b> At least 16G DDR4 on board</p> <p><b>Storage:</b> At least 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>HDD</p> <p><b>Front-facing camera:</b></p> <p>At least 720p HD camera//With privacy shutter</p> <p><b>Wireless:</b> WiFi 6(802.11ax)+BT5.2 (Dual band) 2*2</p> <p><b>I/O ports:</b></p> <p>At least 1 x HDMI 1.4</p> <p>At least 1x VGA Port (D-Sub)</p> <p>At least 1x 3.5mm Combo Audio Jack</p> <p>At least 1x RJ45 Gigabit Ethernet</p> <p>At least 1x DC-in//1x USB 2.0 Type-A</p> <p>At least 1x USB 3.2 Gen 1 Type-C support display / power delivery</p> <p>At least 2x USB 3.2 Gen 2 Type-A//Micro SD card reader</p> <p><b>Battery:</b> at least 42WHrs, 3S1P, 3-cell Li-ion</p> <p><b>Security:</b></p> <p>BIOS Booting User Password Protection</p> <p>Computrace ready from BIOS</p> <p>HDD User Password Protection and Security</p> <p>Trusted Platform Module (TPM) 2.0</p> <p>Fingerprint sensor integrated with Power Key</p> <p>Anti-Theft Lock</p> <p><b>Warranty :</b>At least 3 years</p> |   |            |            |
| <p><b><u>SPECIALIZED HIGH-END LAPTOP FOR HIGH RENDERING SOFTWARE'S</u></b></p> <p>Specifications:</p> <p><b>Operating System:</b> At least Windows 11</p> <p><b>Software Included:</b></p>   | 1 | 250,000.00 | 250,000.00 |

|   |  |  |  |
|---|--|--|--|
| <p>At least MS Office Standard 2019, Autocad and Sketchup,</p> <p><b>Military grade:</b> At least US military-grade standard</p> <p><b>Panel Size:</b> at least 16.0-inch (360°-flippable design)</p> <p><b>Backlit:</b> LED Backlit</p> <p><b>Brightness:</b> at least 500nits</p> <p><b>Resolution:</b> at least WQXGA (2560 x 1600) 16:10</p> <p><b>Touch Panel:</b> Touch screen</p> <p><b>IPS-level:</b> Wide view</p> <p><b>Processor:</b> at least 25M Cache, up to 4.8 GHz, 16 cores</p> <p><b>Graphics:</b> At least 8GB GDDR6 with error-correction code (ECC)</p> <p><b>VRAM:</b> At least 8GB GDDR6</p> <p><b>Memory:</b> At least 8GB DDR5 SO-DIMM *2</p> <p><b>Storage:</b> At least 1TB M.2 NVMe™ PCIe® 4.0 Performance SSD</p> <p><b>Front-facing camera:</b></p> <p>At least 720p HD camera with IR function</p> <p>With privacy shutter</p> <p>Wireless: Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth 5.2 (Vpro)</p> <p><b>Keyboard type:</b></p> <p>Backlit Chiclet Keyboard with Num-key</p> <p><b>I/O Ports:</b></p> <p>At least 2x USB 3.1 Gen 2 Type-A</p> <p>At least</p> <p>2x Thunderbolt™ 4 supports display / power delivery</p> <p>At least At least 1x HDMI 2.0b</p> <p>At least 1x 3.5mm Combo Audio Jack</p> <p>At least 1x RJ45 Gigabit Ethernet</p> <p>At least 1x DC-in</p> <p>Smart card reader</p> <p><b>Battery:</b> at least 90WHrs, 4S1P, 4-cell Li-ion</p> <p><b>Security:</b></p> <p>BIOS Booting User Password Protection</p> <p>BIOS setup user password</p> <p>Computrace ready from BIOS</p> <p>HDD User Password Protection and Security</p> <p>Trusted Platform Module (TPM) 2.0Fingerprint sensor integrated with Power Key</p> <p><b>Included :</b>Carry bag and MPP 2.0 Pen</p> <p><b>Ecolabels &amp; Compliances:</b></p> <p>ISV certificated for professionals across industries</p> <p>EPEAT Silver, Energy star 8.0, RoHS, REACH</p> <p>Warranty: At least 3 Years</p> |  |  |  |
|---|--|--|--|

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|--|----|------------|------------|
| <b><u>VIDEOCONFERENCING SYSTEM FOR MID AND LARGE-SIZE ROOM</u></b><br>Specifications:<br>At least 10x Zoom PTZ Camera<br>Sensor: At least 1/2.8 inch high quality HD CMOS sensor<br>Effective Pixels: At least 2.1 Mega pixel, 16:9<br>Optical zoom lens: At least 10xoptical zoom, f=3.1~15.5mm<br>View angle: At least 88 degree<br>Aperture value: F1.8 – F2.8<br>Focus: Auto/Manual/One Push<br>Rotation angle: Pan: -125°~+125°, Tilt:-30°~+30° | 2  | 55,000.00  | 275,000.00 |
| <b><u>UNINTERRUPTIBLE POWER SUPPLY (UPS) 1500VA/900WATTS</u></b><br>Specifications:<br>Output Capacity: 1500 VA/900 Watts<br>Topology: Line Interactive<br>Input Frequency: at least 50 ± 10, 60 ± 10<br>Nominal Input Voltage: 230 ± 10%<br>Waveform: Simulated Sinewave<br>Runtime at 60W: at least 90 mins<br>Battery Type: Sealed Lead-acid  | 15 | 65,000.00  | 130,000.00 |
| <b><u>LED SMART TV WITH WALL BRACKET</u></b><br>Specifications:<br>Screen Size: At least 55 inches<br>TV Resolution: At least Ultra HD 3840 x 2160<br>Dimension (WxDxH): Package: at least 1226 x 81 x 711 mm<br><b>Wall Mount</b><br>Main Material: Steel<br>Supports Flat-Panel TV Sizes: 37" to 90"<br>Max Load: at least 75 kg / 165 lbs   | 15 | 50,000.00  | 750,000.00 |
| <b><u>WIRELESS ACCESS POINTS</u></b><br>Specifications:<br>Components: 1 Box with 10 Access Points<br>WiFi Standards: 802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 6<br>Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)<br>Processor Specs: At least 1.35 GHz<br>Network Interface: (1) 1 Gbps Ethernet RJ45<br>Throughput: 3.0 Gbps aggregate throughput rate<br>Power Method: 802.3at PoE, Passive PoE (48V)                                       | 1  | 100,000.00 | 100,000.00 |
| <b><u>NETWORK SECURITY FIREWALL APPLIANCE</u></b><br>Specifications:   | 1  | 750,000.00 | 750,000.00 |

|   |   |            |            |
|---|---|------------|------------|
| Interfaces: At least 24x1GbE, At least 6x10G SFP+, At least 4x5G SFP+, At least 2 USB 3.0, At least 1 Console, At least 1 Mgmt. port<br>Storage: At least 128GB M.2<br>Access Points Supported: Maximum of 512<br>Connections per second: At least 22,000<br>IPSec VPN throughput: At least 2.2 Gbps<br>Logical VLAN and tunnel interfaces (maximum): At least 256<br>Site-to-site VPN tunnels: At least 3,000<br>Software License: At least 1 year |   |            |            |
| <b><u>NETWORK SENSOR DEVICE W/MANAGED SECURITY OPERATIONS CENTER (MSOC)</u></b><br>Ingested data: At least 1 GB<br>Virtual Cores: At least 12<br>Memory (GB): At least 32 GB<br>Storage: At least 128gb<br>Setup (up to 5 connectors) – Remote<br><i>***Note: See additional features at 6.3***</i>   | 1 | 750,000.00 | 750,000.00 |
| <b><u>PROJECTOR WITH SCREEN</u></b><br>Specifications:<br>Type: At least Long Row<br>Graphics Display: WXGA<br>Panel Type: at least 0.59" LCD x 3<br>Contrast Ratio: at least 20,000:1<br>Brightness: at least 3,600 lumens<br>Built in speaker: 10W monaural<br>Power Supply: AC 100-240V, 50/60Hz<br>Power Consumption: at least 300W<br>Screen Size: At least 60" x 60"  | 9 | 50,000.00  | 450,000.00 |
| <b><u>DSLR CAMERA</u></b><br>Specifications:<br>At least 24.1 megapixel APS-C sized sensor<br>At least 4K video With 120fps HD<br>Bluetooth* and Wi-Fi For image sharing and remote control<br>At least 180-degree Tilt-out touchscreen<br>Body Materials : Polycarbonate<br>Accessories Includes: Bag and SD Card at least 32 GB   | 2 | 50,000.00  | 100,000.00 |
| <b><u>CONFERENCE MICROPHONES (1 CHAIRMAN, 15 DELEGATES)</u></b><br>Specifications:<br>Main Unit Control Specification: <ul style="list-style-type: none"> <li>with record and play function thru USB or SD Card</li> <li>Equipment w/ 3 groups Extension Group for system connecting workable</li> </ul>  | 4 | 150,000.00 | 600,000.00 |

|   |    |           |            |
|---|----|-----------|------------|
| <ul style="list-style-type: none"><li>• For at least 16 Mic Units each group</li><li>• output level LED Indicator</li><li>• Single, Multiple and many groups can be use simultaneously.</li><li>• with line volume for the unit source and mic volume for the external mic connection</li><li>• master volume control the mic line level</li><li>• with balance XLR Output</li><li>• with Extension to Other Main Unit in case will use more than 60pcs.</li></ul> <p>Chairman and Delegate's Microphone Specification:</p> <ul style="list-style-type: none"><li>• Microphone type: Condensor</li><li>• Polar Pattern: Cardioid</li><li>• Frequency Response: 40Hz - 18 kHz</li><li>• Max SPL: at least 120dB SPL</li><li>• Output Impedance: 150 ohms</li><li>• gooseneck Length: at least 22"</li></ul> <p>ON/OFF Buttons<br/>Vol. Control<br/>Unidirectional Condenser Mic<br/>Red Light indicate mic is ON</p> |    |           |            |
| <p><b><u>POWERED SPEAKERS W/ SPEAKER STAND</u></b></p> <p>Specifications:<br/>Power: at least 1400W PEAK, 700W CONTINUOUS<br/>Frequency Response: 41-20KHZ<br/>Input Connector: At least 2X BALANCED COMBI XLR/1/4" JACK CONNECTORS<br/>Output Connector: At least 1X BALANCED XLR MIX OUTPUT<br/>Dimensions (Hwd): at least 15.2"<br/>Controls: VOLUME, LOGO ON/OFF, GROUND LIFT, EQ MODE<br/>Grille: STEEL, BLACK WITH ACOUSTIC FOAM BACKING</p>  | 10 | 50,000.00 | 500,000.00 |
| <p><b><u>POWERED SUBWOOFERS</u></b></p> <p>Specifications:<br/>Power: at least 1400W Peak<br/>Frequency Response: at least (-10) 35Hz -250Hz (Variable 60Hz - 200Hz)<br/>Max SPL (1M) (Peak): At least 130 dB<br/>Inputs: At least 2 x Balanced Left/Right XLR<br/>Outputs: At least 2 x Balanced Left/Right XLR link outputs, 2 x Balanced Left/Right XLR High-pass outputs<br/>Controls: Volume, variable frequency crossover<br/>Unit Dimensions (Hwd): at least 540 x 580 x 592mm, 21.3" x 22.8" x 23.3"</p>  | 10 | 50,000.00 | 500,000.00 |



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| <b><u>PORTABLE PA SYSTEM W/ SPEAKER STAND</u></b><br>Specifications:<br>Power: At least 1000 Watts<br>Speaker Size: at least 10"<br>Mixer Channels: at least 10<br>Bluetooth: Yes<br>Battery: At least 3200 MAh Hrs/ Lithium Ion<br>Charging time: At least 2hrs<br>Stage XPD1 Wireless Input: Yes<br>FX Options: At least 16-Selectable<br>XLR Channels: At least 4<br>Stereo Channels: At least 3<br>Input: 3.5mm, RCA Cables Included: Yes  | 13 | 60,000.00  | 780,000.00 |
| <b><u>DIGITAL AUDIO MIXER</u></b><br>Specifications:<br>Microphone preamplifier:<br>Channel: At least 24 Channels<br>Input Type: XLR Female, balanced<br>Frequency Response to Main Output (at unity gain):<br>at least 20-20 kHz, ±0.5 dBu<br>Input Impedance: at least 1 kΩ<br>THD to Main Output: at least <0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd<br>S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd): 94 dB<br>Common Mode Rejection Ratio (1 kHz at unity gain):<br>at least 65 dB<br>Gain Control Range (± 1 dB): at least 0 dB to +60 dB<br>Maximum Input Level (unity gain): at least +12 dBu<br>Phantom Power (± 2 VDC): at least 48 VDC, switchable per channel<br>Line Inputs:<br>grade: ¼" TRS Female, balanced<br>Frequency Response to Main Output (at unity gain):<br>at least 20-20 kHz, ±0.5 dBu<br>Input Impedance: at least 10 kΩ<br>THD to Main Output: at least <0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd<br>S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd): at least 94 dB<br>Maximum Input Level: at least +18 dBu<br>Line Outputs:<br>grade: at least ¼ "TRS Female, balanced | 1  | 300,000.00 | 300,000.00 |
| <b><u>WIRELESS LAPEL MIC FOR MUSEUM GUIDES</u></b><br><b><u>(COMPLEX &amp; REGIONAL MUSEUMS)</u></b><br>Specifications:<br>Components: 1 Box with 40 Lapel Mic Units<br>Output power: At least 16W   | 2  | 160,000.00 | 320,000.00 |

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| Battery Capacity: At least 2500mA<br>Charging Voltage: DC 5V, 1A<br>Charging time: at least 3 hours<br>Working time: at least 8 ~15 hours<br>Product size: at least 4.9"x3.3"x1.3<br>Frequency response: at least 20Hz~20KHz  |   |            |            |
| <b><u>DIGITAL RECORDER</u></b><br>Specifications:<br>Components: 1 Box with 5 units<br>Built in Memory: At least 4GB<br>Supports built-in Stereo Microphone<br>Maximum Files (Total): at least 5000<br>Maximum Files per folder: at least 199<br>Playback Format: MP3/WMA/AAC-LC/L-PCM<br>Supports Calendar Search<br>Recording Format: MP3/L-PCM<br>Battery Life for recording LPCM 44.1 KHZ, 16 BIT: at least 40 Hrs<br>INPUT AND OUTPUT TERMINALS: [PC I/F] Hi-Speed USB [Input] Stereo Mic-in jack [Output] Stereo Earphone jack<br>Inclusions: with at least 32 GB SD card | 1 | 50,000.00  | 50,000.00  |
| <b><u>QR CODE SCANNER</u></b><br>Specifications:<br>Components: 1 Box with 10 units<br>Scanning Technology: Array Imager<br>Decode Capability: 1D, 2D, PDF417<br>Supported Host Interfaces: USB, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485<br>Graphics Format Supported: BMP, JPEG, TIFF<br>Drop Specification: At least designed to withstand multiple drops at 5.0 ft. / 1.5 m to concrete<br>Environmental Sealing: IP52<br>Imager Field of View: at least 52° H x 33° V nominal   | 2 | 150,000.00 | 300,00.00  |
| <b><u>AUDIO PERIPHERALS</u></b><br>Specifications:<br>Micro HDMI to HDMI<br>At least 10 x XLR Audio Cable(20meters)<br>At least 10 x XLR Audio Cable(3meters)<br>At least 4 x USB Cable Active Extender (20m)   | 1 | 55,000.00  | 55,000.00  |
| <b><u>ANALOG AUDIO MIXER</u></b><br>Specifications:<br>Channel: At least 24 Channels<br>Microphone Preamp:<br>Type: XLR Female, Class A XMAX  | 1 | 150,000.00 | 150,000.00 |

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| <p>Maximum Input level (unity gain): at least +9 dBu ±1.0 dB</p> <p>Gain Control Range: at least 43 dB (+12 to +55 dB)</p> <p>Line Inputs:</p> <p>Type: at least ¼" TRS Female, Balanced</p> <p>Gain Control Range: Mono Channels: at least 40 dB, ±1 dB (-5 to +35 dB)</p> <p>Input Impedance (Balanced): at least 10 kΩ</p> <p>Headphone Output:</p> <p>Type: at least ¼" TRS Female, Stereo, Unbalanced</p> <p>Maximum Output Level: at least 150 mW/channel @ 60 Ω</p> <p>Frequency Response: at least 20 Hz to 20 kHz, +0.5/-1.5 dB</p> <p>Dynamic Range (A-wtd): &gt; 103 dB</p> <p>Low Cut: at least 100 Hz, -18 dB/Octave</p> <p>High Shelving: at least ±15 dB @ 10 kHz</p> <p>Mid Peaking (Mono Channels): at least ±15 dB @ 140 Hz to 3.5 kHz (variable)</p> <p>Mid Peaking (Stereo Channels): at least ±15 dB @ 2.5 kHz</p> <p>Mid-Band Q: Boost: 1.0, Cut: 2.5</p> <p>Low Shelving: ±15 dB @ 100 Hz</p> <p>Physical:</p> <p>Height: at least 3.5" (89 mm)</p> <p>Width: (Chassis only) at least 18.9" (480 mm)</p> <p>Depth: at least 15.6" (397 mm)</p> |   |            |            |
| <p><b><u>WIRELESS MIC WITH RECEIVER</u></b></p> <p>Specifications:</p> <p>Components: 1 box with 10 Wireless units</p> <p>Wireless Technology: Analog UHF</p> <p>Number of RF Channel Frequencies: At least 123</p> <p>Included Transmitters At least One(1) Handheld</p> <p>RF Frequency Band: H10: 542 to 572 MHz</p> <p>RF Bandwidth: At least 24 MHz</p> <p>RF Channel Scanning: Auto-Scan</p> <p>Max Operating Range: At least 300' / 91.4 m (Line of Sight)</p> <p>Max Transmitters per Band: At least 12</p> <p>Dynamic Range: At least 100 dBA</p> <p>Antenna: At least two(2) Internal</p> <p>Number of Audio Channels: At least one(1)</p> <p>Audio I/O: At least One (1) XLR 3-Pin Male Balanced Output</p> <p>At least one(1) 1/4" TS Female Unbalanced Output</p> <p>Audio Output Level</p>  | 1 | 200,000.00 | 200,000.00 |

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| <p>XLR Output: At least -27 dBV (Mic Level)<br/>1/4" Output: At least -13 dBV (Instrument Level)<br/>Frequency Response: At least 50 Hz to 15 kHz<br/>(Dependent on Mic)<br/>Impedance<br/>XLR Output: At least 200 Ohms<br/>1/4" Output: At least 50 Ohms<br/>Power Requirements AC/DC Power Adapter<br/>AC/DC Power Adapter 12 to 15 VDC at 160 mA,<br/>Center-Positive (Included)<br/>AC Input Power: At least 100 to 240 VAC, 50 / 60 Hz<br/>Display &amp; Indicators: At least one (1) Multi-Segment<br/>LED (Channel, Group)<br/>At least Two (2) LED (AF Level, Sync)<br/>Transmitter Type      Handheld<br/>RF Output Power      10 mW<br/>Muting Off/On Switch<br/>Auto-Level Control    No<br/>Gain Range      -20 to -10 dB<br/>Sync Method    Manual<br/>Antenna      1 x Internal (Handheld)<br/>Power Requirements Battery<br/>Battery Type    2 x AA (Included)<br/>Approx. Battery Life    At least 14 Hours (Alkaline)<br/>Display &amp; Indicators    1 x Multi-Segment LED<br/>(Channel, Group)<br/>1 x LED (Battery Status, Power)<br/>Microphone Type      Handheld Capsule<br/>Sound Field      Mono<br/>Capsule      Dynamic<br/>Polar Pattern    Cardioid<br/>Frequency Range      50 Hz to 16 kHz<br/>Sensitivity      -55 dBV/Pa at 1 kHz<br/>Inclusion: with Rechargeable Battery and Charger</p> |   |            |            |
| <p><b><u>PTZ CAMERA WITH JOYSTICK</u></b><br/>Specifications:<br/>Image Sensor: At least 1 / 2.8 inch CMOS 2.13MP<br/>Lens: at least 4.3-129mm<br/>Optical Zoom: at least 30x<br/>Mechanical:<br/>Shutter Speed: at least 1/1 – 1/10000s<br/>PAN: at least [Horizontal] 350° (±175°) continuous<br/>pan (Zoom Adaptive Speed Range: 0.05° ~ 100°/s)<br/>TILT: [Vertical] +90° to -30° (Zoom Adaptive Speed<br/>Range: 0.05° ~ 50°/s)<br/>Video Interface:</p>  | 1 | 600,000.00 | 600,000.00 |

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| Video Output: NDI /HDMI /SDI<br>Audio I/O: 3.5mm Audio In (Stereo), 3.5mm Audio Out (Stereo)<br>Video Formats: 1080p 60/59.94/50/29.97/25, 1080i 60/59.94/50, 720p 60/59.94/50<br>Control Interface:<br>IP PTZ Control: NDI Control (auto configuring), VISCA IP<br>Serial PTZ Control: At least 2x RJ45: RS232/RS422/RS485<br>Power: [INPUT] 12v DC, PoE+ (IEEE 802.3at), [CONSUMPTION] Min: 15.2W; Max: 19.7W<br>Dimensions: at least 160x178x220mm<br>Inclusion: wires included |  |  |               |
| GRAND TOTAL  |  |  | 12,500,000.00 |

5. QUALIFICATIONS

The Supplier should have the necessary eligibility, experience, and expertise in providing the equipment and service for the procurement of ICT Equipment:

- 5.1. The Supplier service provider must have been in the market for providing either ICT security products or ICT services for at least 20 years
- 5.2. The Supplier service provider must have at least 2 engineers certified by their respective principals to provide first level technical assistance aside from the presence of a local support team directly from the principal.
- 5.3. The Technical engineers of the supplier / service provider must have a Professional certifications for Storage, Network and End point Security.
- 5.4. The bidder or supplier must be an NTC Certified.

6. WARRANTIES AND GUARANTIES

- 6.1. The anti-virus software must have at least 1 year’ license coverage starting from delivery and installation.
- 6.2. The winning Bidder must have Certified Engineer for Anti- Virus and provide initial training if possible.
- 6.3. The winning bidder must conduct basic anti-virus training for NMP ICT Staff.
- 6.4. The winning bidder must conduct basic Network Security Firewall Training for ICT Staff
- 6.5. The winning bidder must provide a Valid and Current Manufacturer and reseller Certification for Network Sensor Device w/Managed Security Operations Center (MSOC) must included.

Additional features:

Requirements in the SIEM solution as part of NG SOC

- Assign alarm severities (example: Critical, Major, Minor, Informational)
- Acknowledge events as part of a workflow
- Customizable dashboard builder
- Pre-packaged Intelligence Module for database: Informix, MYSQL, MySQL, DB2, Oracle
- Pre-packaged Intelligence Module, Dashboard and Report for Windows
- Pre-packaged the Intelligence Module, Dashboard and Report for Linux Servers
- Integration with (at least five) open source threat intelligence
- Generating report when DATA THEFT occurs
- The Solution must be able to apply both Supervised and Unsupervised Machine Learning and Adaptive Machine Learning on logs or traffic it receives from the following:

- Support Intelligent Platform Management Interface (IPMI)
- Encryption for authentication and transmission (AES-256 algorithm)
- Remote upgrades/updates
- Create and customize the role-based user access controls
- Back-up solution which includes backup storage and recovery process procedures
- Custom log parser (without additional cost)

#### **Requirements in Detection**

- Align all alerts to the Cyber Security Killchain
- Description of malware detected
- Supervised and unsupervised machine learning functionality
- Artificial Intelligence and Machine Learning functionality
- Integrated IDS
- Monitor Unknown Threats
- Discover capacity-constrained or idle systems
- On-premise Signatureless Detection Capability
- The Solution must have the User behavior Analytics capabilities
- Pe-built detections rules based on the Cyber Security Kill Chain Framework and Mitre Attack Framework compatibility

#### **Requirements in Threat Hunting and Investigate**

- Mask (e.g. password, credit card number) the data before storing it
- Monitor for known bad events; Use sophisticated correlation via search to find known risk patterns such as: brute force attacks, data leakage and application-level fraud
- Help security analysts conduct compromise and breach assessments
- Allow analyst to build queries using combined search method; A single query may contain keywords, field based conditions and regular expressions
- Correlate and identify application performance issues due to security incident (e.g. DDOS attacks and unauthorized access)
- Link to Threat Intelligence in Alert
- Integrate with the SIEM security solution via security intelligence adapter and application
- Reveal evasion techniques used by malware such as stalling loops and environmental checks
- Fully commercial Kibana license (built in)
- Correlation of machine learning alerts presented as an incident
- Dashboard to analyze assets with the given risk score
- Wizard to build custom queries
- Query Management to manage saved queries
- Network threat hunting should use AI on network sources and enable hunting for attacks including but not limited to: Lateral Movement, Malware Beaconing, Data Exfiltration, Watering Hole, Targeted Network Attacks, Dynamic DNS attacks
- Identify suspicious or hitherto undiscovered communication patterns; Detection of newly discovered pattern
- SOAR (Security Orchestration Automation Response) capabilities to email, case management, Firewall, and Active Directory
- SIEM and SOAR automatically trigger playbooks that reside in orchestration products to perform instructions that include executing scripts or integrating with other tools
- Threathunt and automate the threathunt and apply to SOAR

#### **Managed Security Service Provider**

- Multi-Tenant solution
- Role Based Administration per tenant
- Auto Threat hunting Playbooks per Tenant
- Reporting per Tenant
- Customizable dashboard per tenant

**6.6.** The winning bidder must provide a valid and Current Manufacturer and reseller Certification for Antivirus must included

Anti-Malware: Pattern-based

Features and capabilities:

- Machine learning and Behavioral Analytics against scripts, injection, ransomware, memory and browser attacks
- File Reputation, Variant Protection, Census Check, Web Reputation
- Exploit Prevention, Command and Control (C&C) protection, Ransomware protection and ransomware encryption rollback
- Detection, Response and Isolation
- MAC Security and Device Control
- Threat Intelligence Sharing
- Visibility and control on on-premises, cloud and hybrid environment
- Integration to a cloud-based XDR Solution
- Security agent deployment: through network and remote
- Insightful investigative capabilities; Rapid response for suspicious objects/activities; Centralized visibility across network
- Off-premises protection

**Management:**

- Customizable dashboard

**Application Control:**

- Allow or deny functionality for known and unknown applications, file types and executables
- File reputation source for cross checking of known good files
- File reputation source is constantly up-to-date with the latest known good file listing
- Automated inventory scan categorizes installed applications
- Application control solution accepts whitelisting and blacklisting entries

**Vulnerability Protection:**

- Stop new or emerging threats
- Virtual patching for vulnerable Operating Systems
- Vulnerability protection is integrated on single security agent

**Extended Detection and Response (XDR) Integration:**

- Consolidated detection, investigation and response across email and endpoints
- Correlates email and endpoint detection using security analytics
- Mapping to the MITRE ATT&CK TTPs for faster detection and higher fidelity alerts
- Unified platform for easier investigation with graphical view and timeline of the attack
- Allow sweeps to identify indicators of compromise (IoC) and indicators of attack (IoA) Chain of events across email and endpoints; Run a root cause analysis; Investigate execution profile of attack; Identify scope of impact across assets
- Latest view of the security breaches and information
- Risk index: risk indicators , risky users, devices, and apps accessed over time
- Automatically asses and correlates risk based on: User identity, devices, network, data, apps, and infrastructure

**Integrates up-to-the-minute intelligence reports not limited to the following:**

- a. Internal Threat Intel
- b. Corporate security teams
- c. Government agencies from Europe and North America
- d. Information sharing organization
- e. Security researchers
- f. Security vendors

**Inventory Management:** Maps and Correlates assets

**Incident Response Automation:** Form of Playbooks and Customized Response

Playbooks

**Targeted Attack Detection:** Attack exposure to mitigate or prevent attacks

- 6.7. Manufacturer's authorization or its equivalent document, confirming that the bidder is authorized to provide the equipment and consumables supplied by the manufacturer, including any warranty obligations and after sales support as may be required.
- 6.8. List of at least one (1) service center each in Metro Manila, Visayas & Mindanao preferably in key major cities with complete addresses, contact persons and contact details or provide onsite service
- 6.9. Valid certification from the manufacturer that the bidder is an authorized/exclusive Distributor or dealer of the products/items. If the bidder is the manufacturer, certificate that the bidder manufactures the products/items
- 6.10. Proof that the manufacturer has presence in any of the following: a) any country in Western Europe, b) United States of America, c) Canada and/or d) Japan
- 6.11. Certification that the items to be delivered are brand new.
- 6.12. The Bidder must provide an ISO Certification for Laptops/Desktop
- 6.13. Certificate that all of the equipment and components should be branded (not cloned or assembled).
- 6.14. Manufacturer's Certificate indicating that the parts shall be available at the authorized Philippine Service Center/s for a period of three (3) years after the warranty period
- 6.15. Certify that the Motherboard offered has a Brand etched or printed or embedded on it and with local depot for spare parts.
- 6.16. Must be in TOP 5 international brand of any US Research company
- 6.17. The Winning Bidder is expected to provide quality assurance, ensuring that any error or fault in any hardware, peripherals, pre-installed mandatory software, or installation tools given throughout the implementation is addressed, corrected, mitigated, and/or replaced at no cost to the company. Similarly, the **SUPPLIER** is obligated to provide "after sales service" and assurance that all equipment and installation are accurate, complete, operational, uncompromised, and error-free within the warranty term after final project acceptance.
- 6.18. List with addresses and contact information of their service centers or accredited service centers, which will provide technical after sales support.
- 6.19. Valid and Current Manufacturer and reseller Certification complies with the Managed Security Operation Centre Software
- 6.20. A prospective Bidder must have completed contracts of similar nature within the last five (5) years from the date of submission and receipt of bids as follows:
  - 6.20.1. Single completed contract of similar nature amounting to at least fifty percent (50%) of the ABC; OR
  - 6.20.2. At least two (2) completed contracts of similar nature and aggregate contract amounts must at least be equivalent to fifty percent (50%) of the ABC. The Largest of these similar contracts must be at least equivalent to twenty-five percent (25%) of the ABC.



**7. DELIVERY OF PURCHASE ORDER/CONTRACT**

The delivery of the units and licenses shall be within 120 calendar days from receipt of Purchase Order or Notice to Proceed.

**8. LIQUIDATED DAMAGES:**

Failure to comply with the terms and conditions of the contract will result in the payment of corresponding penalties/liquidated damages in the amount to 1/10 of 1% of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches 10% of the amount of the contract, NMP shall rescind the contract, without prejudice to other courses of action and remedies open to it.