



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION
MARITIME INDUSTRY AUTHORITY

**PROCUREMENT OF VARIOUS
INFORMATION AND COMMUNICATIONS
TECHNOLOGY (ICT) EQUIPMENT FOR 2025
FOR THE MARITIME INDUSTRY
AUTHORITY (MARINA)**

PUBLIC BIDDING NO. 2024-13

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Section I. Invitation to Bid



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION
MARITIME INDUSTRY AUTHORITY

INVITATION TO BID FOR PROCUREMENT OF VARIOUS INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) EQUIPMENT FOR 2025 FOR THE MARITIME INDUSTRY AUTHORITY (MARINA)

1. The MARITIME INDUSTRY AUTHORITY, through the FY 2025 National Expenditure Program, intends to apply the sum of:

Fifty-Nine Million Four Hundred Thousand Pesos (Php 59,400,000.00), being the Approved Budget for the Contract (ABC), to payments under the contract for **LOT 1 (OFFICE PRODUCTIVITY – ICT EQUIPMENT)**;

Eleven Million Eight Hundred and Fifty Thousand Pesos (Php 11,850,000.00), being the Approved Budget for the Contract (ABC), to payments under the contract for **LOT 2 (COMMUNICATION AND PUBLICATION EQUIPMENT)**;

Two Million Pesos (Php 2,000,000.00), being the Approved Budget for the Contract (ABC), to payments under the contract for **LOT 3 (COMMUNICATION AND PUBLICATION EQUIPMENT- LED DISPLAY VIDEO WALL)**;

Ten Million Two Hundred and Seventy Five Thousand Pesos (Php 10,275,000.00), being the Approved Budget for the Contract (ABC), to payments under the contract for **LOT 4 (DIGITALIZATION OF RECORDS)**.

Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The MARITIME INDUSTRY AUTHORITY now invites bids for the above Procurement Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

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

4. Prospective Bidders may obtain further information from MARITIME INDUSTRY AUTHORITY and inspect the Bidding Documents at the address given below during 9:00 AM to 4:00 PM.
5. A complete set of Bidding Documents may be acquired by interested Bidders from the address given below on **November 27, 2024 to December 18, 2024** in the amount, as specified below:

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)
500,000 and below	500.00
More than 500,000 up to 1 Million	1,000.00
More than 1 Million up to 5 Million	5,000.00
More than 5 Million up to 10 Million	10,000.00
More than 10 Million up to 50 Million	25,000.00
More than 50 Million up to 500 Million	50,000.00
More than 500 Million	75,000.00

[NOTE: For lot procurement, the maximum fee for the Bidding Documents for each lot shall be based on its ABC, in accordance with the Guidelines issued by the GPPB; provided that the total fees for the Bidding Documents of all lots shall not exceed the maximum fee prescribed in the Guidelines for the sum of the ABC of all lots.]

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement Systems (PhilGEPS) and at www.marina.gov.ph, however, the Bidder shall pay the Bid Documents based on the table below. Proof of payment shall be presented prior to submission of Bids.

- The MARITIME INDUSTRY AUTHORITY will hold a Pre-Bid Conference at the address given below on **December 05, 2024, 2:00 PM** and/or *through* video conferencing or webcasting *via Zoom*, which shall be open to prospective bidders.

Join Zoom Meeting:

Meeting ID: 845 5929 3666

Passcode: MARINAbac

- Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **December 18, 2024, 09:00 A.M.** Late bids shall not be accepted.
- All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
- Bid submission and opening shall be strictly observed based on the schedule below. Bids will be opened in the presence of the Bidders limited to only one representative, who choose to attend at the address below.
- The Schedule of Bidding Activities shall be as follows:

ACTIVITIES	DATE/TIME	VENUE
1. Posting of Bid Documents	November 27, 2024 to December 04, 2024	PhilGEPS and MARINA Website and Premises
2. Sale and Issuance of Bid Documents	November 27, 2024 to December 18, 2024 9:00 A.M. to 4:00 P.M. (except on December 18, 2024 which will be until 8:00 AM only)	MARINA Central Office, Port Area, Manila

3. Pre-bid Conference	December 05, 2024 2:00 PM	MARINA Central Office, Port Area, Manila
4. Receipt of Requests for Interpretation from the Bidders	until December 07, 2024	via email : bacsec@marina.gov.ph
5. Issuance/Posting of Supplemental/ Bid Bulletin, if any	until December 11, 2024	PhilGEPS and MARINA website
6. Deadline of Submission of Bids	December 18, 2024 9:00 AM	MARINA Central Office, Port Area, Manila
7. Opening of Bid Documents	December 18, 2024 10:00 AM	MARINA Central Office, Port Area, Manila

11. The MARITIME INDUSTRY AUTHORITY 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.

12. This procurement project is undertaken through Early Procurement Activities (EPA), hence, the award of contract to the Lowest/Single Calculated and Responsive Bidder may only be made by the Procuring Entity upon approval or enactment of the FY 2025 General Appropriations Act (GAA) pursuant to Sec 7.6 of the Updated 2016 Revised IRR of RA No. 9184 and the provisions under GPPB Circular 06-2019 dated 17 July 2019.

13. For further information, please refer to:

ATTY. MARIVIC S. RAMOS
BAC Secretariat
10th floor MARINA Building, Bonifacio Drive corner 20th Street, Port Area (South),
Manila, 1018
bacsec@marina.gov.ph
(02) 8523-2950

14. You may visit the following websites:

For downloading of Bidding Documents:

www.marina.gov.ph

<https://www.philgeps.gov.ph>

Sgd.

Atty. MARIA ROWENA B. HUBILLA

Chairperson, Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Maritime Industry Authority wishes to receive Bids for the PROCUREMENT OF VARIOUS INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) EQUIPMENT FOR 2025 FOR THE MARITIME INDUSTRY AUTHORITY (MARINA), with Public Bidding No. 2024-13.

The Procurement Project (referred to herein as “Project”) is composed of four (4) Lots, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The Approved Budget for the Contract (ABC):

For **LOT 1 (OFFICE PRODUCTIVITY – ICT EQUIPMENT)** the Approved Budget for the Contract (ABC) is Fifty-Nine Million Four Hundred Thousand Pesos (**Php 59,400,000.00**), inclusive of VAT and other applicable government taxes to be charged against the FY 2025 General Appropriation Act;

For **LOT 2 (COMMUNICATION AND PUBLICATION EQUIPMENT)**, the Approved Budget for the Contract (ABC) is Eleven Million Eight Hundred and Fifty Thousand Pesos (**Php 11,850,000.00**), inclusive of VAT and other applicable government taxes to be charged against the FY 2025 General Appropriation Act;

For **LOT 3 (COMMUNICATION AND PUBLICATION EQUIPMENT-LED DISPLAY VIDEO WALL)** the Approved Budget for the Contract (ABC) is Two Million Pesos (**Php 2,000,000.00**), inclusive of VAT and other applicable government taxes to be charged against the FY 2025 General Appropriation Act;

For **LOT 4 (DIGITALIZATION OF RECORDS)** the Approved Budget for the Contract (ABC) is Ten Million Two Hundred and Seventy Five Thousand Pesos (**Php 10,275,000.00**), inclusive of VAT and other applicable government taxes to be charged against the FY 2025 General Appropriation Act.

2.2. The source of funding is through the FY 2025 National Expenditure Program.

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 limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA’s CPI, must be at least equivalent to:

a. For the procurement of Non-expendable Supplies 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:

a. 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, 20th St corner Bonifacio Drive Port Area Manila and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

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

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

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

13. Bid and Payment Currencies

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

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until ninety (90) days from the opening of bids . Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

The Procuring Entity may request additional hard copies 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 at its physical address 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 may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the

BDS for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184.

The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as follows:

Option 2 – One Project having several items grouped into several lots, which shall be awarded as separate contracts per item.

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 items participated in by the prospective Bidder.

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p>(For Lot 1)</p> <ul style="list-style-type: none"> a. Supply, delivery, and/or Installation of ICT Equipment b. Completed within Five (5) years prior to the deadline for the submission and receipt of bids <p>(For Lot 2)</p> <ul style="list-style-type: none"> a. Supply, delivery, and/or Installation of Communication and/or Publication Equipment (Camera, Drone, Lights & Audio) b. Completed within Five (5) years prior to the deadline for the submission and receipt of bids <p>(For Lot 3)</p> <ul style="list-style-type: none"> a. Supply, delivery, and/or installation of LED Display Video Wall b. Completed within Five (5) years prior to the deadline for the submission and receipt of bids <p>(For Lot 4)</p> <ul style="list-style-type: none"> a. Supply, delivery, lease/purchase, and/or installation of Digitalization Equipment(Scanner, Desktop, and/or Server) and/or Document Archiving/Indexing System b. Completed within Five (5) years prior to the deadline for the submission and receipt of bids
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP Manila or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than Php 1,188,000.00 (two percent (2%) of LOT 1 ABC) if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; <p>The amount of not less than Php 237,000.00 (two percent (2%) of LOT 2 ABC) if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>The amount of not less than Php 40,000.00 (two percent (2%) of LOT 3 ABC) if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>The amount of not less than Php 205,500.00 (two percent (2%) of LOT 4 ABC) if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>and</p> <ul style="list-style-type: none"> b. The amount of not less than Php 2,970,000.00 (five percent (5%) of LOT 1 ABC) if bid security is in Surety Bond.

	<p>The amount of not less than Php 592,500.00 (five percent (5%) of LOT 2 ABC) if bid security is in Surety Bond.</p> <p>The amount of not less than Php 100,000.00 (five percent (5%) of LOT 3 ABC) if bid security is in Surety Bond.</p> <p>The amount of not less than Php 513,750.00 (five percent (5%) of LOT 4 ABC) if bid security is in Surety Bond.</p>
15	<p>Each Bidder shall submit the following in <i>one (1)</i> big sealed envelope duly labeled as follows:</p> <ul style="list-style-type: none"> a) Be addressed to the Procuring Entity’s BAC b) Bear the name and address of the Bidder in CAPITAL LETTERS c) Bear the Name and Bid Ref. No. of the Project d) Contain the name of the project to be bid in CAPITAL LETTERS Bear the warning “DO NOT OPEN BEFORE (_____)
	<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">TO: THE BIDS AND AWARDS COMMITTEE</p> <p style="text-align: center;">MARITIME INDUSTRY AUTHORITY - CENTRAL OFFICE</p> <p>FROM: _____ (Name of Bidder in Capital Letters)</p> <p>ADDRESS: _____ (Address of Bidder in Capital Letters)</p> <p>PROJECT: _____ BID REF: _____ (In Capital Letters, Indicate the Phrase)</p> <p style="text-align: center;">DO NOT OPEN BEFORE _____</p> </div> <p style="text-align: center;">(Time for the opening of bids)</p>

	<p>Inside the one (1) big sealed envelope shall contain two (2) sets of sealed envelopes:</p> <ol style="list-style-type: none"> 1. First envelope must contain one original and two copies of eligibility and technical documents duly marked as “original”, “copy 1”, “copy 2” ; and 2. The other envelope must contain one original and two copies of the Financial Bid Form duly marked as “original”, “copy 1”, and “copy 2”.
17.1	<p>The place of bid opening is</p> <p style="text-align: center;">MARINA Hearing Room, 7th Floor MARINA Building A. Bonifacio Drive corner 20th Street, Port Area, Manila</p> <p>The date and time of opening is on _____, 2024, _____ PM.</p>
19.3	No further instruction.
20.1	<p>Bidder shall submit the following during the Post Qualification:</p> <ol style="list-style-type: none"> a. Tax Clearance; b. Latest Tax Returns. Only tax returns filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted. The latest Income and Business Tax Returns and those within the last six months preceding the date of bid submission; c. Certificate of PhilGeps Registration; d. Other appropriate licenses and permits required by law and stated in the bidding documents; such as Mayor’s Permit and SEC Registration; and e. Copy of Certificate of Completion or Certificate of Acceptance of the Single Largest Completed Contract (SLCC) and completed contracts.

***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. In addition to tests in the **SCC**, **Section VII (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

<p>GCC Clause</p>	
<p>1</p>	<p>Delivery and Documents –</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>Delivery shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>Terms of Delivery</p> <ol style="list-style-type: none"> 1. Delivery of the above requirements/items: WITHIN ONE HUNDRED AND TWENTY (120) DAYS UPON CONFIRMATION OF PURCHASE ORDER (PO) 2. Delivery should be made within office hours and on regular working days on or before the stipulated date in the contract unless otherwise specified for a valid reason why the same cannot be complied with.
	<p>Confidentiality</p> <ol style="list-style-type: none"> 1. Each party (the “Receiving Party”) agrees to keep strictly confidential all data, information, and documents obtained from the other party (the “Disclosing Party”) such as, but not limited to, the terms of an Agreement, technical information and know-how, and other information provided by the Disclosing Party to the Receiving Party during the course of the negotiations and performance of an Agreement, whether or not such is labeled as “confidential” or “proprietary” (the “Information”). 2. Neither party may disclose the Information to any third party, or to any of its employees, agents, officers and representatives, except on a need-to-know basis, except upon written consent by the Disclosing Party, or pursuant to an applicable law or order from a competent court or regulatory body; provided, that in the event of a legally-mandated disclosure, the Receiving Party shall first inform the Disclosing Party in writing of such order or requirement at least three (3) days prior to the intended date of disclosure.
	<p>Delivery Date</p> <p>Within One Hundred and Twenty (120) calendar days upon confirmation of Purchase Order (PO)</p>
	<p>Payment Terms</p> <p>The payment shall be made upon issuance of Billing Statement on a Bank-to-Bank- basis. Automatic Debit Arrangement (ADA) through Land Bank of the Philippines (LBP) facilities. The winning bidder shall submit bank details together with the billing statement/invoice for ready reference.</p>
	<p>Liquidated Damages</p> <p>MARINA shall impose a penalty of 1/10 of 1% of the total value of the undelivered requirements for each day of delay as liquidated damages after specified allowable number of days to deliver/activate</p>

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.

Lot Number	Description	Quantity	Total	Delivered, Weeks/Months
LOT 1	OFFICE PRODUCTIVITY – ICT EQUIPMENT			The various ICT equipment must be delivered within one hundred and twenty (120) days/ sixteen (16) weeks/four (4) months, upon receipt of the Notice to Proceed (NTP), to MARINA Central Office and Regional Offices
1	Desktop	500	500	
2	Desktop for STCW-Examination Room	50	50	
3	Laptop	45	45	
4	Tablet for Engineers	65	65	
5	NAS for STCWO	1	1	
6	NAS for MISS & PPS	2	2	
7	UPS	5	5	
LOT 2	COMMUNICATION AND PUBLICATION EQUIPMENT			The various ICT equipment must be delivered within one hundred and twenty (120) days/ sixteen (16) weeks/four (4) months, upon receipt of the Notice to Proceed (NTP), to MARINA Central Office and Regional Offices
8	Camera	2	2	
9	Camera Lens	2	2	
10	Video Camera	2	2	
11	Video Camera Lens	3	3	
12	High-End Video Camera Lens	1	1	
13	Video Switcher Channel	2	2	
14	Printer	1	1	
15	Aerial Drone	6	6	
16	Underwater Drone	2	2	
17	Micro SD Card	8	8	
18	Tripod System	2	2	
19	LED PAR Slim 60*3W White Amber	2	2	
20	Heavy-Duty Light Stand	1	1	
21	Deep Quick-Folding Umbrella Style Round Softbox	1	1	
22	Compact Wireless Microphone Wireless System	2	2	
23	Broadcast Headset	2	2	
24	Lapel System	6	6	
25	Condenser Microphone	2	2	
26	Camera Slider	1	1	
27	Wall Mountable Data Cabinet	1	1	
28	HD Analog and IP Camera	2	2	
29	8-Port Ethernet Switch	1	1	
30	Network Video Recorder	1	1	
31	Face Recognition Controller	1	1	
32	HD Analog TV	1	1	
33	UPS	1	1	
34	Digital Monitor Speaker	2	2	

35	Acoustics Panels for the Studio/9th Floor Conference Room	1 package	1 package	
36	Electrical materials, Cables connectors, outlets, mouldings and panels	1 package	1 package	
LOT 3	COMMUNICATION AND PUBLICATION EQUIPMENT - LED Display Video Wall	1	1	The various ICT equipment must be delivered within one hundred and twenty (120) days/ sixteen (16) weeks/four (4) months, upon receipt of the Notice to Proceed (NTP), to MARINA Central Office
37	LED Display Video Wall	1	1	
LOT 4	DIGITALIZATION OF RECORDS			The various ICT equipment must be delivered within one hundred and twenty (120) days/ sixteen (16) weeks/four (4) months, upon receipt of the Notice to Proceed (NTP), to MARINA Central Office
38	Server	1	1	
39	Scanner	3	3	
40	Desktop	4	4	
41	Firewall Security Appliance	1	1	

Section VII. Technical Specifications

Technical Specifications

Listed below are the minimum standard specifications :

QTY	SPECIFICATIONS	Statement of Compliance
500	<p style="text-align: center;"><u>LOT 1 (OFFICE PRODUCTIVITY – ICT EQUIPMENT)</u></p> <p style="text-align: center;">Below are the minimum specifications of the Five Hundred (500) Desktop to be procured:</p> <ol style="list-style-type: none"> 1. Processor: <ul style="list-style-type: none"> · Model: Intel Core i7 13700 · Cores/Threads: 16 Cores / 24 Threads · Base Clock Speed: 2.1 GHz · Turbo Frequency: Support for enhanced performance during high-demand tasks. · Socket Type: LGA 1700 · Architecture: Latest Intel architecture for optimal power efficiency and processing performance. 2. Memory (RAM): <ul style="list-style-type: none"> · Size: 16 GB DDR4 3200 UDIMM · Type: DDR4 for fast and reliable memory processing · Speed: 3200 MHz to support high-performance tasks and multi-tasking. · Upgradability: Ability to upgrade to higher memory configurations if required. 3. Graphics: <ul style="list-style-type: none"> · Type: Integrated Graphics · Model: Intel UHD Graphics 770 (or equivalent integrated solution) · Performance: Sufficient for office productivity tasks, light multimedia work, and video conferencing. 4. Storage: <ul style="list-style-type: none"> · Primary Storage: 1TB 2280 M.2 PCIe 4x4 NVMe TLC SSD · Form Factor: M.2 2280 · Interface: PCIe Gen 4 for ultra-fast read/write speeds. · Capacity: 1TB for substantial storage capacity to handle large files, applications, and data securely. 	<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification on stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and complianc</i></p>

	<p>5. Display:</p> <ul style="list-style-type: none"> · Size: 23.8-inch Full HD (FHD) Display · Resolution: 1920 x 1080 pixels · Brightness: 250 Nits · Type: Anti-Glare for reducing reflections and improving visibility in various lighting conditions. <p>6. Network Connectivity:</p> <ul style="list-style-type: none"> · Ethernet: Integrated Gigabit Ethernet (10/100/1000 Mbps) · Wi-Fi: Intel AX211 Wi-Fi 6E 160 MHz + Bluetooth 5.3 WW WLAN for fast wireless connectivity. · Bluetooth: Bluetooth 5.3 for seamless connectivity with peripherals. <p>7. Audio:</p> <ul style="list-style-type: none"> · Speakers: Integrated Speaker for audio output. · Audio Features: Support for standard audio out for external speaker connections. <p>8. Ports and Connectivity:</p> <p>Headphone/Microphone combo jack</p> <p>SuperSpeed USB Type-C® 10Gbps signaling rate</p> <p>SuperSpeed USB Type-A 10Gbps signaling rate</p> <p>Audio-out</p> <p>Power connector</p> <p>RJ-45 Ethernet port</p> <p>HDMI 1.4</p> <p>SuperSpeed USB Type-A 5Gbps signaling rate</p> <p>DisplayPort™ 1.4</p> <p>USB Type-A 480Mbps signaling rate</p> <p>9. Input Devices:</p> <ul style="list-style-type: none"> · Keyboard: USB Keyboard (Black) · Mouse: USB Optical Mouse (Black) <p>10. Power Supply:</p> <ul style="list-style-type: none"> · Power Rating: <ul style="list-style-type: none"> ○ 180W internal power supply (up to 90% efficiency, active PFC) ○ 240W internal power supply (up to 92% efficiency, active PFC) 	<p><i>e issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution.</i></p>
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	<ul style="list-style-type: none"> · Energy Efficiency: Must comply with Energy Star standards for energy-efficient operation. <p>11. Security Features:</p> <ul style="list-style-type: none"> · TPM: TPM 2.0 Embedded Security Chip · Threat Protection: <ul style="list-style-type: none"> ○ Browser-based threat containment ○ AI-based malware scanning ○ Anti-phishing credential protection ○ Remote management tools for secure BIOS settings management ○ BIOS-level feature for data destruction (ensuring data deletion cannot be recovered) · Recovery and Protection: <ul style="list-style-type: none"> ○ Separate recovery partition for system restore ○ F11 key or equivalent access to system recovery ○ Recovery CD/DVD with OS, drivers, and recovery installers · Advanced Security Ecosystem: Customizable protections, real-time monitoring, and defense against unknown threats. <p>12. Operating System and Software:</p> <ul style="list-style-type: none"> · Operating System: Pre-installed Licensed Microsoft Windows 11 Pro 64-bit · Office Software: Pre-installed Licensed MS Office Home and Business Edition 2021 (to be activated by MARINA) · Antivirus: Pre-installed Licensed Anti-virus (3-year subscription, compatible with MARINA's existing antivirus solution) <p>Operating Systems Supported : (Windows: XP SP 2 / Vista / Windows 7 / Windows 8 / Windows 8.1 / Windows 10 / 2000 (Workstation) [All 32-bit and 64-bit Editions]) (Linux: RHEL 4 and above / CentOS 5.10 and above / SLES 10 SP3 and above / Debian 4.0 and above / openSuSe 10.1 and above Fedora 5.0 and above /Ubuntu 6.06 and above [All 32-bit and 64-bit Editions]) (MacOS: OS X Snow Leopard (10.6 or later) / OS X Lion (10.7 or later) / OS X Mountain Lion (10.8 or later) / OS X Mavericks (10.9 or later)/ OS X Yosemite (10.10 or later) / OS X El Capitan (10.11 or later) / macOS Sierra (10.12 or later)/ macOS High Sierra (10.13 or later)</p> <ul style="list-style-type: none"> · Dedicated engine for Ransomware detection and blocking. 	<p><i>n subject to the applicable laws and issuances.</i></p> <p><i>J</i></p>
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- **Ransomware protection must have the following checking process:**
 - **Reserve check**
 - **Behavioral check**
 - **Resources check**
 - **Signature check**
 - **File check**
- **Patented scanning and detection technology for virus and malwares.**
- **Protection for Windows at the WinSock layer, scanning thru WinSock Layer scan before it reaches to the operating system.**

- **Proactive, Heuristic, and Real-time Scanning Engine (file and mail)**
- **Malicious Traffic Detection and Host Intrusion Prevention System**
- **Domain and IP Reputation Check**
- **Non-Intrusive Learning Pattern**
- **Cloud Security: Centralized definition updates thru cloud**
- **Scheduled and On-demand Scanning**

- **Configurable scanning priority (high, medium, and low)**
- **Configurable to set background scanning**
- **Customizable actions on malware of infected file (clean, quarantine, and delete)**
- **Ability to block attachments on Instant Messengers**
- **Website that capable to upload and analyze potential malware or virus**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Scanning must covered standard and SSL mail ports.**

- Support for the following filtering layers:
 - Customizable word/phrase filtering
 - Mail Non-Intrusive Learning Pattern
 - Email Header and X-Spam Rules Checking
 - SPF Checking
 - SURBL & RBL (pre-defined and customizable) checking
- Blocking of attachments based on type (pre-defined and customizable with wildcard support)
- Archival of Mail and Attachments with archived mail viewer.
- Product should be able to take actions on malicious emails based on user defined actions.
- Customizable alert notifications for various level of events in like of virus outbreak and data theft.
- Customizable actions for spam/phishing emails.
- Able to tag spam mails in subject line with SPAM for considered spam mails.
- Mail Gateway Anti-Spam and Content Security
- Capable to allow and block URL or website access based on database of pre-defined category or end-user customized category
- Allow and block URL or website access based on scheduled time
- Product should be able to allow customized web security policies in per user and per group
- Easy configuration for block all sites with allowed particular websites only
- Anti-phishing filter for websites based in intelligent heuristics
- Product should have cloud intelligence capabilities for understanding and blocking malicious URLs
- Device and Application Control
- Privacy Protection and Maintenance
- Rescue and Recovery Utilities
- User Defined File and Folder Protection (Network Protection)
- Unified Management Console
- Reporting
- Asset Management and Patch Management
- Certifications: VB 100 Virus Definition, AV Test, AV Comparative

13. Warranty and Support:

- Warranty Period: Three (3) years on parts and service.

- **Call-back Response Time:** Guaranteed response within two (2) hours from notification.
- **On-site Support:** On-site support within the next business day from notification.
- **Service Units:** Replacement with similar or higher specifications if units cannot be repaired within five (5) days.
- **Energy Star Compliance:** The desktops must comply with Energy Star standards for energy-efficient performance.

14. Additional Requirements:

- **UPS:** Must come with a 650VA UPS for power backup.
- **Brand Consistency:** Components (CPU, Keyboard, Mouse, Monitor) must be from the same brand to ensure compatibility and quality.
- **Storage Formatting:** Disk format: 40% for the system disk and 60% for the data disk.

Below are the minimum specifications of the Fifty (50) Desktop to be procured:

50

1. Processor:

- **Model:** Intel Core i5-13500
- **BaseFrequency:** Performance-core base frequency of 2.50 GHz, Efficient-core base frequency of 1.80 GHz
- **Core Configuration:** 14 Cores (6 Performance Cores + 8 Efficient Cores)
- **Threads:** 20 Threads
- **Architecture:** Latest Intel architecture for improved performance and energy efficiency.

2. Memory (RAM):

- **Size:** 16 GB DDR4
- **Type:** DDR4 for high-speed memory performance.
- **Speed:** 3200 MHz
- **Expandability:** Upgradeable to a higher memory configuration if required in the future.

3. Graphics:

- **Type:** Integrated Graphics
- **Model:** Intel UHD Graphics or equivalent (suitable for office tasks, video conferencing, and light multimedia).

	<p>4. Storage:</p> <ul style="list-style-type: none"> · Primary Storage: 512GB M.2 2280 PCIe NVMe Solid-State Drive · Interface: PCIe Gen 3.0 NVMe for faster data access · Capacity: Sufficient capacity for operating system and applications storage, ensuring efficient performance and load times. <p>5. Display:</p> <ul style="list-style-type: none"> · Size: 21.45-inch Full HD (FHD) Display · Resolution: 1920 x 1080 pixels · Brightness: 200 Nits · Type: Anti-Glare for improved visibility in various lighting environments. <p>6. Network Connectivity:</p> <ul style="list-style-type: none"> · Ethernet: Integrated Gigabit Ethernet (10/100/1000 Mbps) · Wi-Fi: Integrated Wi-Fi 6 (supports 2.4GHz and 5GHz bands) + Bluetooth 5.3 for fast and stable wireless connectivity. <p>7. Audio:</p> <ul style="list-style-type: none"> · Speakers: Integrated Speaker for audio output. · Audio Out/In: Standard audio line-out and audio line-in. <p>8. Ports and Connectivity:</p> <ul style="list-style-type: none"> · Headphone/Microphone Combo jack · USB-C 3.2 port · SuperSpeed USB 5Gbps signaling rate ports · SuperSpeed USB 10Gbps signaling rate ports · Audio Line-Out/Audio Line-In · Power connector · RJ-45 Ethernet port · HDMI port · USB 2.0 ports · DisplayPort <p>9. Input Devices:</p> <ul style="list-style-type: none"> · Keyboard: USB Keyboard (Black) · Mouse: USB Optical Mouse (Black) <p>10. Power Supply:</p> <ul style="list-style-type: none"> · Rating: 180W Internal Power Supply · Energy Efficiency: Energy-efficient PSU, capable of delivering power at high efficiency. 	
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11. Security Features:

- **TPM: TPM 2.0 Embedded Security Chip for hardware-level security.**
- **Security Protection:**
 - **Browser-based threat containment, AI-based malware scanning, anti-phishing.**
 - **Data protection through permanent destruction of sensitive data via BIOS-level security.**
 - **Remote management tools for secure BIOS setting and configuration.**

12. Recovery and Maintenance:

- **Recovery Capability: Separate recovery partition for system recovery.**
- **Recovery Tools: Provide recovery CD/DVD (Operating System, Drivers, and other necessary recovery installers).**
- **System Recovery Access: Must have F11 key or equivalent access to system recovery.**

13. Storage Formatting:

- **The hard disk should be formatted in the manner of 40% for the system disk and 60% for the data disk to optimize system performance.**

14. Power Protection:

- **UPS: 650VA UPS to protect against power surges and outages.**

15. Software:

- **Operating System: Pre-installed Licensed Microsoft Windows 11 Pro 64-bit**
- **Anti-Virus: Pre-installed Licensed Anti-virus software (3-year subscription, compatible with MARINA's existing anti-virus solution).**
- Operating Systems Supported : (Windows: XP SP 2 / Vista / Windows 7 / Windows 8 / Windows 8.1 / Windows 10 / 2000 (Workstation) [All 32-bit and 64-bit Editions]) (Linux: RHEL 4 and above / CentOS 5.10 and above / SLES 10 SP3 and above / Debian 4.0 and above / openSuSe 10.1 and above Fedora 5.0 and above /Ubuntu 6.06 and above [All 32-bit and 64-bit Editions]) (MacOS: OS X Snow Leopard (10.6 or later) / OS X Lion (10.7 or later) / OS X Mountain Lion (10.8 or later) / OS X Mavericks (10.9 or later)/ OS X Yosemite (10.10 or later) / OS X El Capitan (10.11 or later) / macOS Sierra (10.12 or later)/ macOS High Sierra (10.13 or later)**
- **Dedicated engine for Ransomware detection and blocking.**

- **Ransomware protection must have the following checking process:**
 - **Reserve check**
 - **Behavioral check**
 - **Resources check**
 - **Signature check**
 - **File check**
- **Patented scanning and detection technology for virus and malwares.**
- **Protection for Windows at the WinSock layer, scanning thru WinSock Layer scan before it reaches to the operating system.**

- **Proactive, Heuristic, and Real-time Scanning Engine (file and mail)**
- **Malicious Traffic Detection and Host Intrusion Prevention System**
- **Domain and IP Reputation Check**
- **Non-Intrusive Learning Pattern**
- **Cloud Security: Centralized definition updates thru cloud**
- **Scheduled and On-demand Scanning**

- **Configurable scanning priority (high, medium, and low)**
- **Configurable to set background scanning**
- **Customizable actions on malware of infected file (clean, quarantine, and delete)**
- **Ability to block attachments on Instant Messengers**
- **Website that capable to upload and analyze potential malware or virus**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Scanning must covered standard and SSL mail ports.**

- Support for the following filtering layers:
 - Customizable word/phrase filtering
 - Mail Non-Intrusive Learning Pattern
 - Email Header and X-Spam Rules Checking
 - SPF Checking
 - SURBL & RBL (pre-defined and customizable) checking
- Blocking of attachments based on type (pre-defined and customizable with wildcard support)
- Archival of Mail and Attachments with archived mail viewer.
- Product should be able to take actions on malicious emails based on user defined actions.
- Customizable alert notifications for various level of events in like of virus outbreak and data theft.
- Customizable actions for spam/phishing emails.
- Able to tag spam mails in subject line with SPAM for considered spam mails.
- Mail Gateway Anti-Spam and Content Security
- Capable to allow and block URL or website access based on database of pre-defined category or end-user customized category
- Allow and block URL or website access based on scheduled time
- Product should be able to allow customized web security policies in per user and per group
- Easy configuration for block all sites with allowed particular websites only
- Anti-phishing filter for websites based in intelligent heuristics
- Product should have cloud intelligence capabilities for understanding and blocking malicious URLs
- Device and Application Control
- Privacy Protection and Maintenance
- Rescue and Recovery Utilities
- User Defined File and Folder Protection (Network Protection)
- Unified Management Console
- Reporting
- Asset Management and Patch Management
- Certifications: VB 100 Virus Definition, AV Test, AV Comparative

16. Additional Requirements:

- Brand Consistency: Components (CPU, Keyboard, Mouse, Monitor) must be from the same brand to ensure compatibility and quality.

I. WARRANTY AND SUPPORT

- **Warranty Period: Three (3) years on parts and service.**
- **Call-back Response Time: Guaranteed within two (2) hours upon notification.**
- **On-site Support: On-site support provided within the next business day from notification.**
- **Service Units: Units that cannot be repaired within five (5) days shall be replaced with a service unit of similar or higher specifications.**
- **Energy Star Compliance: The desktops must comply with Energy Star standards to ensure energy-efficient operation.**

Below are the minimum specifications of the Forty-Five (45) Laptop to be procured:

1. Processor:

- **Model: 13th Gen Intel Core i7-1355U**
- **Core Configuration: E-cores up to 3.70 GHz, P-cores up to 5.00 GHz**
- **Cores: 10 Cores (2 Performance cores + 8 Efficient cores)**
- **Threads: 12 Threads**
- **Base Clock: 1.20 GHz (for P-cores) to 3.70 GHz (for E-cores)**
- **Turbo Boost: Up to 5.00 GHz (Performance Cores)**

2. Memory (RAM):

- **Size: 16 GB DDR4**
- **Type: DDR4 3200 MHz**
- **Configuration: 2 x 8GB RAM modules (Dual-channel for better performance)**

3. Graphics:

- **Model: Integrated Intel Iris Xe Graphics**
- **Performance: Suitable for standard office work, multimedia tasks, and light graphical applications.**

4. Storage:

- **Type: 1TB PCIe NVMe Solid-State Drive (SSD)**
- **Interface: PCIe 3.0 for fast data access and improved performance.**
- **Capacity: Sufficient for system files, applications, and data storage.**

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5. Display:

- **Size:** 14" FHD (1920 x 1080 pixels)
- **Display Type:** Anti-Glare, Non-Touch
- **Brightness:** 250 nits
- **Color Coverage:** 45% NTSC
- **Refresh Rate:** 60Hz
- **Bezel:** Narrow bezel for a sleek design and better screen-to-body ratio.

6. Camera and Audio:

- **Camera:** 720p HD camera with built-in microphone, with privacy shutter for enhanced privacy during video calls.
- **Speakers:** 2 x 2W Integrated stereo speakers for clear audio output.

7. Ports and Connectivity:

- **USB Ports:**
 - SuperSpeed USB Type-C® 5Gbps signaling rate (data transfer only, no charging or external monitors)
 - SuperSpeed USB Type-A 5Gbps signaling rate (USB 3.2 Gen 1)
- **Other Ports:**
 - HDMI for external display connectivity
 - 3.5mm headphone/microphone combo jack
- **Wi-Fi:** Wi-Fi 6 + Bluetooth 5.3 for faster wireless connectivity and peripheral support.

8. Keyboard:

- **Type:** Backlit Keyboard for comfortable typing in low-light environments.

9. Security Features:

- **Fingerprint Reader:** Integrated for enhanced security and user authentication.
- **TPM 2.0:** Trusted Platform Module for hardware-based security.

10. Battery:

- **Battery Type:** Long-life 41Wh, 3-cell Lithium-ion battery.
- **Charging:** Fast Charge technology to ensure minimal downtime.

11. Power Adapter:

- **Adapter Type:** 45 Watt Smart nPFC Right Angle AC Adapter.

12. Recovery and Maintenance:

- **Recovery Partition:** Separate partition for system recovery.
- **Recovery Media:** Provide a recovery CD/DVD containing the Operating System, drivers, and other necessary recovery installers.
- **System Recovery Access:** Must support F11 key or equivalent access to System Recovery.

13. Storage Formatting:

- The hard disk should be formatted with a 40% allocation for the system disk and 60% for the data disk for optimal system performance and data organization.

14. Included Accessories:

- **Laptop Bag:** Same brand as the laptop.

15. Software:

- **Operating System:** Pre-installed Licensed Microsoft Windows 11 Pro 64-bit.
- **Office Suite:** Pre-installed Licensed Microsoft Office Home and Business Edition 2021 (to be activated by MARINA).
- **Anti-virus:** Pre-installed Licensed Anti-virus software (3-year subscription, compatible with MARINA's existing anti-virus solution).

Operating Systems Supported : (Windows: XP SP 2 / Vista / Windows 7 / Windows 8 / Windows 8.1 / Windows 10 / 2000 (Workstation) [All 32-bit and 64-bit Editions]) (Linux: RHEL 4 and above / CentOS 5.10 and above / SLES 10 SP3 and above / Debian 4.0 and above / openSuSe 10.1 and above Fedora 5.0 and above /Ubuntu 6.06 and above [All 32-bit and 64-bit Editions]) (MacOS: OS X Snow Leopard (10.6 or later) / OS X Lion (10.7 or later) / OS X Mountain Lion (10.8 or later) / OS X Mavericks (10.9 or later)/ OS X Yosemite (10.10 or later) / OS X El Capitan (10.11 or later) / macOS Sierra (10.12 or later)/ macOS High Sierra (10.13 or later)

- **Dedicated engine for Ransomware detection and blocking.**

- **Ransomware protection must have the following checking process:**
 - **Reserve check**
 - **Behavioral check**
 - **Resources check**
 - **Signature check**
 - **File check**
- **Patented scanning and detection technology for virus and malwares.**
- **Protection for Windows at the WinSock layer, scanning thru WinSock Layer scan before it reaches to the operating system.**

- **Proactive, Heuristic, and Real-time Scanning Engine (file and mail)**
- **Malicious Traffic Detection and Host Intrusion Prevention System**
- **Domain and IP Reputation Check**
- **Non-Intrusive Learning Pattern**
- **Cloud Security: Centralized definition updates thru cloud**
- **Scheduled and On-demand Scanning**

- **Configurable scanning priority (high, medium, and low)**
- **Configurable to set background scanning**
- **Customizable actions on malware of infected file (clean, quarantine, and delete)**
- **Ability to block attachments on Instant Messengers**
- **Website that capable to upload and analyze potential malware or virus**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.**

- **Scanning must covered standard and SSL mail ports.**

	<ul style="list-style-type: none"> · Support for the following filtering layers: <ul style="list-style-type: none"> ○ Customizable word/phrase filtering ○ Mail Non-Intrusive Learning Pattern ○ Email Header and X-Spam Rules Checking ○ SPF Checking ○ SURBL & RBL (pre-defined and customizable) checking · Blocking of attachments based on type (pre-defined and customizable with wildcard support) · Archival of Mail and Attachments with archived mail viewer. · Product should be able to take actions on malicious emails based on user defined actions. · Customizable alert notifications for various level of events in like of virus outbreak and data theft. · Customizable actions for spam/phishing emails. · Able to tag spam mails in subject line with SPAM for considered spam mails. · Mail Gateway Anti-Spam and Content Security · Capable to allow and block URL or website access based on database of pre-defined category or end-user customized category · Allow and block URL or website access based on scheduled time · Product should be able to allow customized web security policies in per user and per group · Easy configuration for block all sites with allowed particular websites only · Anti-phishing filter for websites based in intelligent heuristics · Product should have cloud intelligence capabilities for understanding and blocking malicious URLs · Device and Application Control · Privacy Protection and Maintenance · Rescue and Recovery Utilities · User Defined File and Folder Protection (Network Protection) · Unified Management Console · Reporting · Asset Management and Patch Management · Certifications: VB 100 Virus Definition, AV Test, AV Comparative 	
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65	<p>I. WARRANTY AND SUPPORT</p> <ul style="list-style-type: none"> · Warranty Period: <ul style="list-style-type: none"> ○ Three (3) years on parts and service (excluding battery, which is covered for one year). ○ Call-back Response Time: Guaranteed within two (2) hours upon notification (via email, phone, or online support). ○ On-site Support: On-site support provided within the next business day from notification for laptops deployed at the MARINA Central Office. ○ Service Units: Units that cannot be repaired within five (5) days shall be replaced with a service unit of similar or higher specifications. ○ Energy Star Compliance: The laptops must comply with Energy Star standards for energy-efficient operation. <p style="text-align: center;">Below are the minimum specifications of the Sixty Five (65) Tablet (For Engineers) to be procured:</p> <p>1. Cellular Connectivity:</p> <ul style="list-style-type: none"> · SIM Card Support: Includes Smart or Globe SIM card and slot for cellular connectivity · Cellular Network Support: <ul style="list-style-type: none"> ○ 5G NR (New Radio): Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79 ○ FDD-LTE: Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 66, 71 ○ TD-LTE: Bands 34, 38, 39, 40, 41, 42, 46, 48 ○ UMTS/HSPA/HSPA+/DC HSDPA: (850, 900, 1700/2100, 1900, 2100 MHz) ○ Data Only: Supports data-only cellular services ○ Wi-Fi Calling: Supports Wi-Fi calling for clearer voice calls in areas with poor cellular signal ○ eSIM: Supports eSIM for easy activation without the need for a physical SIM card. <p>2. Storage Capacity:</p> <ul style="list-style-type: none"> · Storage Capacity: 256GB (internal storage) for system files, applications, and data storage. <p>3. Display:</p> <ul style="list-style-type: none"> · Type: Liquid Crystal Display · Size: 10.9-inch diagonal display · Resolution: 2360 x 1640 pixels, 264 pixels per inch (ppi) · Display Technology: LED-backlit Multi-Touch with IPS technology 	
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- **True Tone:** Automatically adjusts display to ambient lighting conditions for a more natural viewing experience
- **Brightness:** 500 nits brightness for vibrant and clear visuals in different lighting conditions
- **Coating:** Fingerprint-resistant oleophobic coating
- **Pencil Support:** Supports 1st generation Pencil for precision input

4. Processor (Chip):

- **Chipset:** 10th Generation 64-bit
- **CPU:** 6-core CPU (2 high-performance cores + 4 efficiency cores)
- **GPU:** 4-core graphics
- **Neural Engine:** 16-core Neural Engine for machine learning tasks and advanced image processing.

5. Camera:

- **Rear Camera (Main):**
 - **Resolution:** 12 MP Wide camera
 - **Aperture:** *f/1.8*
 - **Zoom:** Digital zoom up to 5x
 - **Lens:** Five-element lens
 - **Autofocus:** Autofocus with Focus Pixels
 - **Panorama:** Supports panorama mode (up to 63MP)
 - **HDR:** Smart HDR 3 for improved dynamic range and photo quality
 - **Geo-tagging:** Photo geotagging enabled
 - **Stabilization:** Auto image stabilization for clearer photos
 - **Burst Mode:** Continuous shooting mode for action shots
 - **Image Formats Supported:** HEIF and JPEG
- **Video Recording (Rear Camera):**
 - **4K Video Recording:** At 24 fps, 25 fps, 30 fps, or 60 fps
 - **1080p HD Video Recording:** At 25 fps, 30 fps, or 60 fps
 - **720p HD Video Recording:** At 30 fps or 60 fps
 - **Slo-mo:** Slo-mo video at 1080p, 120 fps or 240 fps
 - **Time-lapse Video:** With stabilization
 - **Extended Dynamic Range:** For video up to 30 fps
 - **Stabilization:** Video image stabilization and Cinematic video stabilization (1080p and 720p)
 - **Autofocus:** Continuous autofocus during video recording

- Playback Zoom: Allows zoom during video playback
- Video Formats Supported: HEVC and H.264
- Front Camera (Selfie Camera):
 - Resolution: 12MP Ultra-Wide camera
 - Aperture: *f/2.4*
 - Field of View: 122°
 - Smart HDR 3: Advanced image enhancement for selfies and video calls
 - Video Recording: 1080p HD video at 25 fps, 30 fps, or 60 fps
 - Time-lapse: With stabilization
 - Extended Dynamic Range: For video up to 30 fps
 - Cinematic Stabilization: For 1080p and 720p video
 - Lens Correction: Automatic lens correction for distortion
 - Retina Flash: Flash for selfies in low-light environments
 - Auto Image Stabilization: For clear, stable selfies and video calls
 - Burst Mode: For continuous photo capture

6. Video Calling:

- Supports video calls over Wi-Fi or cellular
- Support: The front camera will automatically adjust to frame the object as it moves within the field of view during the video call.

7. Audio:

- Speakers: Landscape stereo speakers for clear and immersive sound
- Microphones: Dual microphones optimized for calls, video recording, and audio recording

8. Wireless Connectivity:

- Wi-Fi: Wi-Fi 6 (802.11ax) with 2x2 MIMO (Multiple Input Multiple Output) technology
- Wi-Fi Speeds: Up to 1.2 Gbps for fast internet access
- Dual Band: Simultaneous support for 2.4 GHz and 5 GHz Wi-Fi bands
- Bluetooth: Bluetooth 5.2 for connecting wireless peripherals

9. Warranty and Support:

- **Warranty Period:**
 - One (1) year on parts and service.
 - On-Site Support: Provided for MARINA Central Office.
 - Carry-In Support: Available for Regional Offices.
 - Call-back Response Time: Guaranteed response within two (2) hours upon notification for the Central Office, with on-site support for urgent needs.
 - Service Units: If the device cannot be repaired within five (5) business days, a service unit of similar or higher specifications will be provided as a replacement.

Below are the minimum specifications of the One (1) NAS for STCW to be procured:

1. Processor (CPU):

- **Model: AMD Ryzen V15780B**
- **Base Clock Speed: 3.35 GHz**
- **Turbo Boost Clock Speed: 3.6 GHz**

Cores: Multi-core architecture optimized for high-performance computing and storage management.

2. Memory (RAM):

- **Installed Memory: 8 GB RAM**
- **Expandable: Up to 32 GB RAM**
- **Memory Type: DDR4 ECC (Error-Correcting Code) memory to ensure data integrity and reduce system errors.**

3. Storage Capacity:

- **Drive Bays: 12-bay RackStation, expandable up to 24 bays (for future scalability)**
- **Drive Type Supported: 3.5" Enterprise Grade SATA Hard Disk Drives (HDDs)**
- **Pre-Installed Drives: Four (4) x 8TB 3.5" Enterprise Grade SATA HDDs**
 - **Total Pre-installed Capacity: 32TB (4 x 8TB drives)**

Drive Compatibility: Supports additional enterprise-grade SATA HDDs for future expansion (up to 24 bays total)

4. Network and Connectivity:

- **Network Interface Cards (NIC):**
 - **Base NIC: 1GbE (Gigabit Ethernet)**
 - **Optional NIC Support: 10GbE (10 Gigabit Ethernet) NIC for faster data transfer and network performance.**

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- Supports Failover & Link Aggregation: Ensures high network reliability and speed.

5. Rail Kit:

- Rail Kit Type: Sliding rail kit for Rack-type models
- Installation: Simple rackmount installation with the included sliding rails for easy access and maintenance of the NAS unit.

Below are the minimum specifications of the Two (2) NAS for MISS and PPS to be procured:

1. Processor (CPU):

- Model: AMD Ryzen V1500B
- Base Clock Speed: 3.35 GHz
- Turbo Boost Clock Speed: 3.6 GHz
- Cores: Multi-core architecture optimized for high-performance computing and storage management.

2. Memory (RAM):

- Installed Memory: 4 GB RAM
- Expandable: Up to 32 GB RAM
- Memory Type: DDR4 ECC (Error-Correcting Code) memory to ensure data integrity and reduce system errors.

3. Storage Capacity:

- Drive Bays: 8-bay RackStation, expandable up to 12 bays (for future scalability)
- Drive Type Supported: 3.5" Enterprise Grade SATA Hard Disk Drives (HDDs)
- Pre-Installed Drives: Four (4) x 4TB 3.5" Enterprise Grade SATA HDDs
 - Total Pre-installed Capacity: 32TB (4 x 8TB drives)
- Drive Compatibility: Supports additional enterprise-grade SATA HDDs for future expansion (up to 24 bays total)

4. Network and Connectivity:

- Network Interface Cards (NIC):
 - Base NIC: 1GbE (Gigabit Ethernet)
 - Optional NIC Support: 10GbE (10 Gigabit Ethernet) NIC for faster data transfer and network performance.
 - Supports Failover & Link Aggregation: Ensures high network reliability and speed.

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5. Rail Kit:

- Rail Kit Type: Sliding rail kit for Rack-type models
- Installation: Simple rackmount installation with the included sliding rails for easy access and maintenance of the NAS unit.

Below are the minimum specifications of the Five (5) UPS to be procured:

1. UPS Features:

- UPS Topology: Line-interactive, providing enhanced voltage regulation without utilizing battery power.
- Energy Saving Technology: Equipped with GreenPower UPS™ Bypass Technology for efficient energy use.
- Active PFC Compatibility: Ensures compatibility with Active Power Factor Correction (PFC) power supplies for optimal performance.
- Pure Sine Wave Output: Provides clean, stable power for sensitive equipment.
- Automatic Voltage Regulation (AVR): Single Boost AVR to correct low voltages and prevent damage to connected devices.
- Color LCD Panel: Clear and user-friendly display for monitoring UPS status and performance.
- LED Status Indicator: Provides real-time UPS status updates (e.g., battery status, load level, power source).
- SNMP/HTTP Remote Management Capability: Optional for remote monitoring and management.
- Power Panel Management Software: For managing and monitoring UPS operation via connected PC or network.
- Surge and Spike Protection: Protects connected equipment from voltage spikes and surges.
- USB Charging Ports: Provides convenient charging for USB devices directly from the UPS.
- High-speed Ethernet Data Transmission: Supports high-speed communication for connected devices.
- Tower Form Factor: Compact tower design for space-efficient deployment.
- Power On/Off Switch: Simple, reliable power control switch.
- Function Button(s): Allows for easy navigation of settings and modes.
- USB Charging Ports:
 - USB-A x 1
 - USB-C x 1
- Communication Protection Port RJ45: Protection for Ethernet or telephone lines.
- Battery Backup & Surge Protected Outlets:

	<ul style="list-style-type: none"> ○ Total Outlets: 8 ○ Outlet Type: NEMA 5-15R x 8 ○ All outlets are Battery & Surge Protected. · Circuit Breaker: Ensures protection against short circuits and overloads. · USB Port: For UPS monitoring and communication. · Serial Port: For additional monitoring options and control. <p>2. Input Specifications:</p> <ul style="list-style-type: none"> · Nominal Input Voltage (Vac): 220V, 230V, 240V (Auto-sensing for compatibility) · Input Voltage Range (Vac): 169V ~ 271V · Input Frequency (Hz): 50 ± 3 Hz, 60 ± 3 Hz · Input Frequency Detection: Auto-Sensing for seamless adjustment to different power sources. · Rated Input Current (A): 10 A · Input Connector Type: IEC C14 <p>3. Output Specifications:</p> <ul style="list-style-type: none"> · Capacity (VA): 1350 VA · Capacity (Watts): 810 Watts · On Battery Waveform: Pure Sine Wave for optimal compatibility with sensitive devices. · On Battery Voltage(s) (Vac): 230 ± 5% (under a test load of less than 60%). For loads above 60%, the output voltage range may exceed 5%. · On Battery Frequency (Hz): 50 ± 1%, 60 ± 1% · Automatic Voltage Regulation (AVR): Single Boost AVR for correcting undervoltages. · Overload Protection: Internal current-limiting for protection from overloads. · Outlet(s) – Total: 8 outlets · Outlet Type: NEMA 5-15R x 8 · USB Charging Port(s): <ul style="list-style-type: none"> ○ USB-A Output: 5V/2.4A Max ○ USB-C Output: 5V/2.5A Max, 9V/2A Max, 15V/2A Max · USB Charging Total Output (Watts): 30W <p>4. Transfer Time:</p> <ul style="list-style-type: none"> · Typical Transfer Time (ms): 8ms (Maximum 12ms at normal sensitivity) <p>5. Battery Specifications:</p> <ul style="list-style-type: none"> · Runtime at Half Load (min): 9.6 minutes · Runtime at Full Load (min): 2.1 minutes · Typical Recharge Time (Hours): 8 hours to reach 90% capacity after full- load discharge. 	
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- **User-Replaceable Battery:** Yes, allowing for easy maintenance.
- **Replacement Battery Pack (RBP):** Sealed Lead-acid Battery, RBP0146
- **Quantity (pcs):** 1

I. WARRANTY AND SUPPORT

- **Warranty Period:** One (1) year on parts and service.
- **On-Site Support:** Provided for MARINA's Central Office.
- **Response Time:** Call-back support within two (2) hours of notification.
- **Service Units:** If the UPS is non-functional and cannot be repaired within five (5) business days, a service unit with similar or higher specifications will be provided.

Bidders must have regional presence for desktop and laptop and must submit a list of their Authorized Repair Service Centers in all regions with the address and name of the contact person.

- **MRO I and II – La Union**
- **MRO IV – Batangas**
- **MRO V – Legaspi**
- **MRO VI- Iloilo**
- **MRO VII- Cebu**
- **MRO VIII- Tacloban**
- **MRO IX- Zamboanga**
- **MRO X- Cagayan de Oro**
- **MRO XI- Davao**
- **MRO XII- General Santos**
- **MRO XIII-Butuan**
- **Where there is none in a region, indicate the nearest Service Center in the adjoining region**

There must be a memorandum of agreement, contract, or memorandum of understanding of the bidder and their authorized repair/service center in all regions.

LOT 2 (COMMUNICATION AND PUBLICATION EQUIPMENT)

Below are the minimum specifications of the Two (2) Camera to be procured:

1. Sensor and Imaging:

- **Sensor Type:** 33MP Full-Frame (35.9 X 23.9 mm)
- **Image Processor:** For high-speed processing and superior image quality.
- **ISO Range:** Still images: ISO 100–51200 (expandable to ISO 50–204800), AUTO (ISO 100–12800, selectable lower limit and upper limit),

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Movies: ISO 100–51200 equivalent (expandable to ISO 100–102400), AUTO (ISO 100–12800, selectable lower limit and upper limit)

- **Shooting Speed: Continuous shooting up to 10 frames per second (fps) to capture high-speed action shots.**
- **Bit Depth: 10-Bit for enhanced color depth and smoother gradation, ideal for professional video work.**

2. Video Capabilities:

- **Resolution: 10-bit Full-Frame 4K 30p video recording for superior cinematic quality.**
- **Log Formats Supported:**
 - wide dynamic range in post-production.
 - color space for precise color grading.
 - a film-like color profile straight out of the camera.
- **User LUTs (Look-Up Tables): Customizable LUTs for personalized color grading and style preferences.**

3. Stabilization and Autofocus:

- **In-Body Image Stabilization: 7 stops of in-body image stabilization to minimize camera shake and ensure sharp, steady shots even in low light or when shooting handheld.**
- **Autofocus System:**
 - **759-Point Phase Detection AF for fast and accurate autofocus with 94% coverage across the sensor.**
 - **Fast and reliable tracking of moving subjects for both photography and video recording.**

4. Viewfinder and Display:

- **Electronic Viewfinder: 2.36M-Dot OLED EVF (Electronic Viewfinder) for clear and bright image preview.**
- **LCD Screen: 3" 1.03M-Dot Vari-Angle LCD Touchscreen for versatile shooting angles and touch-based control.**

5. Audio and Streaming:

- **Internal Microphone: Built-in microphone for basic audio recording.**
- **Audio Inputs: External microphone inputs for superior sound quality.**
- **USB Streaming: Direct streaming capabilities via USB for online broadcasting or real-time content creation.**

6. Lens:

- **Included Lens:** Lens for versatile shooting, covering a wide to medium zoom range, ideal for most situations.

LENS SPECIFICATION	
Format	35 mm Full Frame
Focal Length (mm)	28-60
35 MM Equivalent Length (APS-C)	42-90
Lens Group / Elements	7-8
Angle of View (35 MM)	54-27⁰²
Dimensions (D X L)	66.6 x 45 mm (2.621.77 in)
Weight	167 g (5.9 oz)

Below are the minimum specifications of the Two (2) Camera Lens to be procured:

1. Lens Type:

- **Mount Type:** E-Mount lens compatible with full-frame format mirrorless cameras.
- **Sensor Compatibility:** Full-frame format for both still photography and applications, offering expansive image quality and clarity.

2. Aperture and Optical Design:

- **Aperture Range:** Min f/22 Max f/2.5, providing a wide range of exposure control suitable for a variety of lighting conditions and depth-of-field requirements.
- **Aperture Blades:** Rounded 7-blade diaphragm, contributing to smooth bokeh (out-of-focus areas) ideal for artistic and cinematic effects.
- **Optical Design:**
 - **Aspherical Elements:** Reduces spherical aberrations and improves overall image quality, ensuring sharpness and clarity across the frame.
 - **Extra-Low Dispersion (ED) Elements:** Minimizes chromatic aberrations and color fringing, improving color accuracy and sharpness, especially in high-contrast or challenging lighting conditions.

3. Focus and Control Features:

- **Dual XD Linear AF Motors:** Equipped with dual XD (Extreme Dynamic) linear autofocus motors that provide fast, precise, and quiet

autofocus performance. Ideal for both still photography and video recording.

- **Internal Focus Mechanism:** The lens uses an internal focus system, meaning the lens does not change in length during focusing, which helps to maintain the compact design and improves handling.
- **Focus Hold Button:** Allows users to lock focus while shooting, providing extra control during dynamic or action-packed scenes.
- **AF/MF Switch:** Provides the ability to quickly toggle between autofocus (AF) and manual focus (MF), allowing for greater precision in challenging conditions.
- **Physical Aperture Ring:** Includes a manual aperture ring for direct, tactile control over the aperture, making it particularly useful for videographers who need smooth aperture adjustments during shooting.
- **De-Click Switch:** A de-clickable aperture ring is available, allowing for smooth, silent adjustments, ideal for video shoots where audible clicks from aperture changes would be disruptive.

4. Durability and Build Quality:

- **Dust and Moisture-Resistant Construction:** The lens is built to withstand various environmental conditions, offering resistance to dust and moisture, making it suitable for Outdoor and high-demand use.
- **Construction:** The lens is designed with robust materials to ensure durability, maintaining optimal performance even with frequent usage in professional settings.

5. Minimum Focus Distance:

- **Minimum Focus Distance:** 13.8 inches (approximately 35 cm), enabling closer focusing for macro or detailed shots while maintaining high image quality.

6. Compatibility and Versatility:

- **Wide Compatibility:** Compatible with all full-frame mirrorless cameras, providing wide versatility for different shooting styles, from portrait photography to landscape and event coverage.

SPECIFICATION	
Filter Size	49 mm
Max Magnification	0.18x
Focal Length	50mm
Focus	Min distance 13.8" / 35 cm
Dimension (diameter x length)	2.7 x 1.8" / 68 x 45 mm
Format	Full Frame

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- **Full-Frame Format:** Ensures full-frame coverage, enabling wider fields of view and superior image quality, especially beneficial for video production and creative photography.

I. WARRANTY AND SUPPORT

- **Warranty Period:** One (1) year warranty for the lens, covering defects in materials or workmanship under normal use.
- **Service Support:** The lens will include after-sales support, including repair and maintenance services. Service for defective units will be provided as part of the warranty.
- **Service Response Time:** Guaranteed service response within 24 hours for inquiries and issue reporting, with repairs or replacements completed within 7 business days.

Below are the minimum specifications of the Two (2) Video Camera to be procured:

1. Sensor and Image Quality

- **Sensor Type:**
 - 4K Full-Frame 10.2MP CMOS
 - Full-frame sensor optimized for 4K and high-quality video production.
- **Dynamic Range:**
 - 15+ Stops of Dynamic Range when recording in S-Log 3 Exposure Index (EI).
 - Ensures excellent performance in both highlight and shadow areas, with minimal loss of detail.

CAMERA SPECIFICATION	
Sensor Type	35 mm Full Frame, Single – Chip CMOS image sensor
Pixels	Approx 12.9 Megapixels (total) Approx 10.2 megapixels (Effective)
Sensitivity	ISO 800/12800 (Cine EI mode, D55 Light Source)
Shutter Speed	67F to 1/8000 sec

2. Video Recording Specifications

- **Video Resolution and Frame Rate:**
 - DCI 4K: Up to 60p
 - UHD 4K: Up to 120p
 - 1080p: Up to 240p

	<ul style="list-style-type: none"> ○ This allows flexibility for high-resolution recording, fast motion capture, and cinematic slow-motion video. · Video Output Format: <ul style="list-style-type: none"> ○ 10-bit 4:2:2 XAVC-I for professional-grade color and detail retention. ○ 16-bit Raw Output via HDMI for high-quality post-production grading and flexibility. · Video Color Modes: <ul style="list-style-type: none"> ○ White – Balance Mode: Preset, Memory A, Memory B (2,000 K-15,000)/ATW ○ Provides a wide range of options for capturing vibrant, cinematic color or flat profiles suitable for post-production color <p>3. Autofocus and Image Stabilization</p> <ul style="list-style-type: none"> · Autofocus System: <ul style="list-style-type: none"> ○ Phase Detection AF: Ensures fast and accurate autofocus even during complex scenes. ○ Face Tracking and Eye AF: Intelligent tracking of faces and eyes for sharp, focused video even in dynamic environments. · Image Stabilization: <ul style="list-style-type: none"> ○ In-Body Image Stabilization (IBIS): Reduces camera shake for smoother handheld shooting, particularly important for dynamic filming conditions. <p>4. ISO Range and Low Light Performance</p> <ul style="list-style-type: none"> · ISO Sensitivity: <ul style="list-style-type: none"> ○ Base ISO: 800-12,800 ○ Max ISO: 320-409,600 ○ Offers excellent sensitivity in low light conditions, with minimal noise and high dynamic range. <p>5. Form Factor and Build</p> <ul style="list-style-type: none"> · Design: <ul style="list-style-type: none"> ○ Compact Form Factor: Lightweight and portable design for ease of handling and transport. ○ Weight: Less than 2 lbs for versatile use in different filming environments. ○ Durability: Rugged, reliable design built to withstand extended shooting hours and varied environmental conditions. <p>6. Recording Media and Slots</p> <ul style="list-style-type: none"> · Media Slots: <ul style="list-style-type: none"> ○ Dual CFexpress Type A and SDXC Card Slots: 	
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§ Dual slots provide redundancy and fast recording speeds, enabling continuous video capture without interruptions.

7. Audio and Connectivity

- **Audio Input:**
 - **XLR Audio Inputs:** Professional-grade audio inputs for external microphones to ensure high-quality sound recording.
- **Audio Monitoring:**
 - **Headphone Jack:** 3.5mm for real-time audio monitoring.
- **Connectivity:**
 - **USB Streaming:** Allows direct streaming via USB for live broadcasts or online content.
 - **HDMI/SDI Output:** For high-quality external monitoring and recording.
 - **WiFi/NFC:** Support Format IEEE 802.11 a/b/g/n/ac
 - **Security:** WEP/WPA-PSK/WPA2-PSK

8. Viewfinder and Screen

- **Electronic Viewfinder (EVF):**
 - 2.36 million-dot OLED viewfinder for clear, high-resolution monitoring.
- **LCD Screen:**
 - 3-inch, 1.03 million-dot vari-angle touchscreen for flexible and precise monitoring at different angles.

9. Power Supply and Battery Life

- **Battery Operating Time:**
 - Approx. 105 min., with BP-U35 battery while recording XAVC-I QFHD 59.94p, SEL24105G Lens, View Finder ON, using external Device.
 - Capable of providing several hours of recording on a full charge.
 - **Recharge Time:** Fast charging capabilities for minimal downtime.
- **Battery Life:**
 - Sufficient for long-duration shooting (approximately [insert estimated duration] based on typical usage).

I. WARRANTY AND SUPPORT

- **Warranty:**
 - Minimum of 1-year warranty on parts and labor, covering manufacturing

defects and standard wear and tear.

Below are the minimum specifications of the Three (3) Video Camera Lens to be procured:

1. Lens Mount and Format

- **Lens Mount Type:**
 - E-Mount Lens
 - Compatible with APS-C format camera bodies for professional video production.
- **Format:**
 - APS-C Format: Ideal for video capture, providing a crop factor suitable for telephoto and general-purpose use.

2. Focal Length and Zoom Range

- **Focal Length:**
 - 105-525mm (35mm Equivalent):
Provides a versatile zoom range for a variety of shooting scenarios, ranging from medium telephoto to super telephoto.
Ideal for both close-up shots and long-range capture.

3. Aperture and Image Quality

- 7-Blade Diaphragm:
Rounded aperture blades produce a more aesthetically pleasing bokeh effect in out-of-focus areas.

4. Optical Design and Construction

- **Optical Elements:**
 - One Aspherical Element:
Minimizes spherical aberrations and distortion, ensuring sharper images across the zoom range.
 - Three Extra-Low Dispersion (ED) Elements:
Reduces chromatic aberration and color fringing, resulting in sharper images with accurate color representation.
- **Lens Coating:**
 - Multi-Coating (if applicable):
Helps to reduce flare, ghosting, and chromatic aberration, improving contrast and image clarity in various lighting conditions.

6. Additional Features

- **Compatibility:**
 - The lens must be fully compatible with Sony APS-C format cameras with E-mount.

5. Autofocus and Stabilization

- **Autofocus System:**
 - **XD Linear Motor AF System:**
Ensures fast, accurate, and silent autofocus performance, making it ideal for video recording with minimal focus noise.
- **Image Stabilization:**
 - **Optical Steady Shot (OSS) Image Stabilization:**
Built-in image stabilization compensates for camera shake, especially beneficial when shooting handheld or in dynamic shooting environments.

SPECIFICATION

Format	APS-C
Focal Length	70-350
35 MM Equivalent Focal Length (APS-C)	105-525
Angle View (APS-C)	220-4°40 ²
Minimum Aperture (F)	4.5-6.3
Aperture Blades	7
Minimum Focus Distance	1.1-1.5 m (3.61 – 4.93 ft)

- **Focus Ring:**
 - Smooth manual focus ring for precise control during focus pulls when needed, especially for video applications.
- **Build Quality:**
 - Durable and lightweight construction, suitable for frequent use in various filming environments.
 - Weather-resistant or sealed construction (if applicable) to protect against dust and moisture.

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I. WARRANTY AND SUPPORT

- **Warranty:**
 - Minimum of 1-year warranty on parts and labor, covering manufacturing defects and standard wear and tear.

- **Technical Support:**
 - 24/7 customer support for troubleshooting and technical assistance.
 - Access to online resources, user manuals, and troubleshooting guides.

Below are the minimum specifications of the One (1) High-End Camera Lens to be procured:

1. Lens Mount and Format

- **Lens Mount Type:**
 - Designed for 35 mm full-frame format, ensuring high-quality image production for both still photography and video applications.
 - APS-C format compatibility with a 35 mm equivalent focal length of 105-300 mm.

2. Focal Length and Zoom Range

- **Focal Length (mm):**
 - 70–200 mm: Provides a versatile zoom range ideal for portrait, wildlife, sports, and event photography.
- **35mm Equivalent Focal Length (APS-C):**
 - 105-300 mm (35mm equivalent): Ideal for capturing distant subjects while maintaining sharpness and clarity across the zoom range.
- **Zoom System:**
 - Manual zoom: Enables precise control over zoom for professional- level image composition.
- **Angle of View:**
 - APS-C format: 23° to 8° 1'
 - 35 mm full-frame format: 34° to 12°30'

§ These angle of view values allow for a wide range of shot compositions, from wide-angle to telephoto perspectives.

3. Aperture and Image Quality

- **Aperture Range:**
 - Maximum Aperture: f/2.8 – Allows for low-light performance and the creation of a shallow depth of field for professional-looking bokeh.
 - Minimum Aperture: f/22 – Provides control over depth of field in bright conditions or for achieving greater focus across subjects.
- **Aperture Blades:**
 - 11 Blades: Results in a rounded aperture for smooth, aesthetically

pleasing bokeh, even at smaller apertures.

- **Circular Aperture:**
 - Yes, ensuring smooth bokeh and natural background defocus effects

4. Optical Design and Construction

- **Lens Groups / Elements:**
 - 14-17 groups/elements:
 - § This complex optical design minimizes distortion, chromatic aberration, and other optical imperfections to ensure crisp, high-quality images throughout the zoom range.
- **Filter Diameter:**
 - 77 mm: Allows for the use of common filters such as polarizers, ND filters, and UV filters.
- **Lens Hood Type:**
 - Round, bayonet type: To reduce lens flare and protect the lens from external impacts.

5. Autofocus and Image Stabilization

- **Autofocus System:**
 - **Optical SteadyShot (Image Stabilization):**
Built-in optical stabilization ensures sharp images by reducing blur caused by hand-held camera shake, especially at longer focal lengths.
- **Manual Focus:**
 - Focus control is adjustable via a manual focus ring, providing professional videographers and photographers with precise focus adjustments.

6. Minimum Focus Distance and Magnification

- **Minimum Focus Distance:**
 - 1.32 to 2.69 ft (0.4 to 0.82 m): Enables close-up photography while maintaining sharp focus. Ideal for portraits and macro shots within the specified range.
- **Maximum Magnification Ratio:**
 - 0.3x: Allows for a decent level of magnification, suitable for portraiture and general close-up photography.

2

I. WARRANTY AND SUPPORT

- **Warranty:**
 - Minimum of 1 year warranty on parts and labor, covering

manufacturing defects and standard wear and tear.

- **Technical Support:**
 - 24/7 customer support for troubleshooting and technical assistance.
 - Access to online resources, user manuals, and troubleshooting guides.

Below are the minimum specifications of the Two (2) Video Switcher Channel to be procured:

1. Audio Inputs and Outputs

- **Inputs:**
 - 16 Total Channels
 - 12 Microphone (Mic) Inputs – Designed for connecting professional microphones, providing robust and clear sound input.
 - 2 Stereo Inputs – For connecting stereo audio sources such as musical instruments or audio playback devices.
 - S/PDIF Digital Inputs/Outputs – Standard digital audio connection to transmit high-quality audio signals.
 - AES/EBU Output – Professional audio standard for digital audio transmission over long distances.
- **Outputs:**
 - 8 Customizable XLR Outputs – Allows for flexible output routing to audio equipment or sound systems.
 - 16 Bus Outputs – Ensures sufficient routing flexibility for complex live mixing.
 - 4 Mono Output Buses – For individualized audio channels for various output needs.
 - 5 Stereo Output Buses – Allows for high-quality stereo sound routing.
 - 1 Stereo Monitor Bus – For monitoring audio before final output.
 - 1 Stereo Track Monitor Output – For tracking audio mixes.
 - 1 Earphone Output Interface – Allows audio monitoring through earphones, ensuring sound quality for operators.

2. Display and User Interface

- **Screen:**
 - 7" IPS Touchscreen (1024x600mm) – Provides clear and vibrant visual feedback for all functions and settings.
 - IPS Multi-Function Touchscreen Angle – Fully adjustable to the user's preference, ensuring comfortable operation from any position.

- Fully Customizable UI – User interface elements that can be adjusted to suit specific needs.

- **Faders:**

- 9 x 100mm ALPS Motorized Faders – High-quality motorized faders with smooth operation for precise control over audio levels.

3. Audio Processing and Effects

- **Built-in FX Modules:**

- 8 Built-in FX Modules – Includes:

- 2 Reverbs – To add ambiance and space to the audio mix.

- 2 Modulations – Provides modulation effects for dynamic sound.

- 2 Delays – Adds delay effects for creative mixing.

- 15-Band Graphic Equalizer (GEQ) – Allows precise control over the frequency response to tailor the sound to the desired output.

4. Connectivity and Data Management

- **USB Interfaces:**

- 2 USB Interfaces – Supports the use of flash disks for data storage and external devices.

- Recording Support – Allows recording of the audio mix, including support for WAV file format output.

- **Latency:**

- < 2ms Latency – Ensures that the audio and video processing is in sync, critical for live productions.

- High-Quality Neutrik Connectors – Professional-grade connectors known for durability and excellent signal integrity.

- 429mm (W) x 335mm (D) x 83mm (H) – Compact design that ensures ease of integration into production setups while saving space.

I. WARRANTY AND SUPPORT

- **Warranty:**

- Minimum of 1 year warranty on parts and labor, covering manufacturing defects and standard wear and tear.

Below are the minimum specifications of the One (1) Printer to be procured:

1. General Printer Functions

- Functions:
 - Print, Copy, Scan (Multifunction Printer)
- Print Technology:
 - Laser Technology for high-speed, high-quality printing.

2. Printing Performance

- Print Speed:
 - Black (ISO, Letter): Up to 35 pages per minute (ppm).
 - Black (ISO, A4): Up to 33 pages per minute (ppm).
 - Color (ISO): Up to 35 pages per minute (ppm).
 - Color (ISO, A4): Up to 33 pages per minute (ppm).
- First Page Out Time:
 - Black (Letter, Ready): As fast as 9.1 seconds.
 - Black (A4, Ready): As fast as 9.5 seconds.
 - Color (Letter, Ready): As fast as 10 seconds.
 - Color (A4, Ready): As fast as 10.5 seconds.
- Duplex Printing: Automatic duplex (two-sided) printing for efficient paper usage.
- Print Quality:
 - Black (Best Quality): Up to 600 x 600 dpi; Up to 38,400 x 600 enhanced dpi.
 - Color (Best Quality): Up to 600 x 600 dpi.
- Monthly Duty Cycle:
 - Up to 50,000 pages (Maximum recommended monthly volume: 750 to 4,000 pages).

3. Connectivity and Mobile Printing

- Standard Connectivity:
 - 1 Gigabit Ethernet 10/100/1000 Base-TX network port.
 - 1 Hi-Speed USB 2.0 (Device) connection.
 - 1 Hi-Speed USB 2.0 (Host) connection.
 - 1 Wi-Fi 802.11ac (Dual Band) for wireless connections.
 - 1 Wi-Fi Direct for direct mobile printing without a router.
 - Walk-up USB Port for direct printing from USB devices.
 - Auto-crossover Ethernet for seamless networking.
- Mobile Printing Capability:
 - Apple AirPrint™

- Mopria™ Certified
- Wi-Fi Direct Printing
- Support for other mobile apps for convenient printing from smartphones and tablets.
- Network Capabilities:
 - Built-in Ethernet 10/100/1000Base-Tx (Gigabit)
 - Auto-crossover Ethernet
 - Authentication via 802.1x
 - Wi-Fi 5 (802.11ac) support.
- Wireless Printing:
 - Dual-band Wi-Fi (Wi-Fi 5).
 - Supports WEP, WPA/WPA2/WPA3, WPA Enterprise, and AES/TKIP encryption.
 - Wi-Fi Direct and WPS (Wi-Fi Protected Setup) for easy wireless setup.

4.

Processor Speed: 1200 Mhz

Maximum Memory:

- 512 MB NAND Flash
- 512 MB DRAM

· Storage:

-

Optional Job Storage via external rear host USB port (minimum 16 GB).

5. Scanner Specifications

- Scanner Type: Flatbed, Automatic Document Feeder (ADF)
- Scan Resolution:
 - Optical Resolution: Up to 1200 dpi.
 - Hardware Resolution: Up to 1200 x 1200 dpi.
 - Enhanced Resolution: Up to 1200 dpi.
- Scan Speed:
 - Black & White (A4): Up to 29 ppm.
 - Color (A4): Up to 26 ppm.
 - Black & White (Letter): Up to 31 ppm.
 - Color (Letter): Up to 28 ppm.
- Scan File Formats:
 - PDF, JPG, TIFF
- Scan Size (ADF):
 - Maximum Size: 216 x 356 mm.
 - Minimum Size: 102 x 152 mm.
- Scan Size (Flatbed):
 - Maximum Size: 216 x 297 mm.
- ADF Capacity:
 - 50 sheets, uncurled.
- Duplex ADF Scanning: No.
- Scan Technology: Contact Image Sensor (CIS).

6. Copying Features

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- **Copy Speed:**
 - **Black (Normal Quality, A4):** Up to 33 copies per minute (cpm).
 - **Color (Normal Quality, A4):** Up to 33 copies per minute (cpm).
- **Copy Resolution:**
 - **Black Text:** Up to 600 x 600 dpi.
 - **Color Text:** Up to 600 x 600 dpi.
- **Copy Features:**
 - **Reduce/Enlarge Settings:** 25% to 400%.

7. Paper Handling

- **Paper Handling Input (Standard):**
 - 50-sheet multipurpose tray
 - 250-sheet input tray
 - 50-sheet Automatic Document Feeder (ADF)
- **Paper Handling Output (Standard):**
 - 150-sheet output bin
- **Paper Handling Input (Optional):**
 - 550-sheet tray (Optional)
- **Media Types:**
 - Bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough paper, postcards, labels, and envelopes.
- **Media Sizes (Custom):**
 - **Simplex:**
 - § Tray 1: 76.2 x 127 mm to 216 x 356 mm
 - § Optional Tray 3: 100 x 148 mm to 216 x 356 mm
 - **Duplex (All Trays):** 148 x 148 mm to 216 x 356 mm.
- **Finished Output Handling:** Sheet feed.

8. Print Cartridges

§ Tray 2: 98 x 148 mm to 216 x 356 mm

- **Number of Print Cartridges:**
 - 4 total (1 each: black, cyan, magenta, yellow).

9. Manufacturer Warranty

- **Warranty:** One-year manufacturer warranty on parts and labor, covering manufacturing defects and normal wear and tear.

Below are the minimum specifications of the Six (6) Aerial Drone to be procured:

1. Drone Specifications

- **Drone Type:**
 - Multicopter Aerial Drone

	<ul style="list-style-type: none"> · Gimbal System: <ul style="list-style-type: none"> ○ 3-Axis Gimbal with Tri-Camera System for stable footage and high-quality imaging during flight. 2. Camera Specifications · Camera 1: <ul style="list-style-type: none"> ○ Camera Type: Hasselblad 4/3 CMOS Sensor ○ Resolution: 20 MP ○ Field of View: Wide-Angle Lens ○ Video Resolution: 5.1K for high-definition video capture · Camera 2: <ul style="list-style-type: none"> ○ Camera Type: 12MP Zoom Telephoto Lens ○ Lens Focal Length: 166mm ○ Zoom Capability: 7x Optical Zoom · Camera 3: <ul style="list-style-type: none"> ○ Camera Type: 48MP Medium Telephoto Lens ○ Lens Focal Length: 70mm ○ Zoom Capability: 3x Optical Zoom 3. Flight Time & Battery · Maximum Flight Time: <ul style="list-style-type: none"> ○ Up to 43 Minutes of flight time per battery, depending on flight conditions and payload. · Battery Type: <ul style="list-style-type: none"> ○ Rechargeable lithium-polymer (LiPo) battery with intelligent charging capabilities. 4. Transmission System · Transmission Technology: <ul style="list-style-type: none"> ○ O3+ Transmission Technology for enhanced signal stability and clarity. · Transmission Range: <ul style="list-style-type: none"> ○ 9.3 miles (15 kilometers) maximum range for remote operation. 5. Obstacle Avoidance & Navigation · Obstacle Avoidance System: <ul style="list-style-type: none"> ○ Omnidirectional Avoidance using multiple sensors for 360-degree detection and avoidance. · Autonomous Flight System: <ul style="list-style-type: none"> ○ APAS 5.0 (Advanced Pilot Assistance System) for intelligent autonomous navigation and obstacle avoidance in real-time. 	
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6. Intelligent Flight Modes

- **Flight Modes:**
 - A minimum of 7 Intelligent Flight Modes, including but not limited to:
 - § ActiveTrack
 - § Point of Interest
 - § Waypoints
 - § TapFly
 - § Smart RTH (Return to Home)
 - § Follow Me
 - § Cinematic Flight Mode

7. Post-Processing Features

- **Post-Processing Support:**
 - Support for D-LOG, D-LOG M, and HLG (Hybrid Log-Gamma) color profiles for enhanced post-production flexibility and color grading.

8. Remote Control & Accessories

- **Remote Controller:**
 - DJI RC Remote included for intuitive control with a range of customizable functions and an ergonomic design.
- **Fly More Combo:**
 - Fly More Combo package including additional batteries, propellers, carrying case, and other essential accessories for extended flight time and convenience.

Below are the minimum specifications of the Two (2) Underwater Drone to be procured:

- | | |
|----------------------------|---|
| 1. Drone Type (ROV) | Underwater Remotely Operated Vehicle |
| 2. Camera | <ul style="list-style-type: none">- 12 Megapixel Resolution- 4K UHD Camera for ultra-high-definition video capture- 166° FOV Wide-Angle Lens for expansive field of view- 240 FPS Slo-Mo Capture for high-speed underwater action recording<ul style="list-style-type: none">- DNG (RAW) Format Support for post-processing flexibility- 6000 Lumen LED Lights for clear vision in low-light conditions |

8	<p>3. Storage -</p> <ul style="list-style-type: none"> - microSD Card Slot for video storage (compatible with standard microSD cards) - Secure SD Card Slot for data protection <p>4. Movement</p> <ul style="list-style-type: none"> - Posture Lock to maintain stable orientation and posture during operation - 360° Omnidirectional Movement for full mobility and maneuverability - Depth Lock for maintaining consistent depth during submerged operation <p>5. Speed -</p> <ul style="list-style-type: none"> - Hovering Accuracy: ± 0.4 in / 1 cm for stable hovering <p>6. Depth Rating -</p> <p>7. Power Supply -</p> <ul style="list-style-type: none"> - Secure & Fast Charging system with fast recharge capabilities for minimal downtime <p>8. Speed and Performance</p> <ul style="list-style-type: none"> - Maximum Speed: 3 Knots (1.5m/s) <p>Item Description Minimum Technical Specifications</p> <p>9. Interface & Connectivity</p> <p>10. Onshore Power Supply</p> <ul style="list-style-type: none"> - Q-IF Multi-Tool Extension Interface for future expansion and integration with additional tools and sensors - Onshore Power Supply System to provide additional power when used at the surface or onshore during maintenance or recharge <p>11. User Interface: Compatible with PC or mobile-based control systems for real-time operation and monitoring</p> <p>12. Durability: Corrosion-resistant construction for extended use in marine environments</p> <p style="padding-left: 40px;">: Waterproof Housing rated to withstand pressures up to 100 meters depth</p> <p>13. Shutter Speed: Shutter Speed Range: 5 to 1/5000 for optimal image capture in different underwater lighting conditions</p> <p>15. Environmental Resistance: 1. Compatible with PC or mobile-based control systems for real-time operation and monitoring</p> <p>16. Warranty & Support: - Minimum 1-year warranty for parts and labor</p>	
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2	<ul style="list-style-type: none"> - Technical support (remote or on-site as required) during the warranty period 	
	<ul style="list-style-type: none"> - On-site training for personnel on drone operation and maintenance upon delivery 	
2	<p>Below are the minimum specifications of the Eight (8) Micro SD Card to be procured:</p> <ul style="list-style-type: none"> - 64GB Capacity - Class 10 - UHS-1 - Max. Read Speed: 40MB/s - Min. Write Speed: 10MB/s - Waterproof and Dustproof - Protects Against UV Rays 	
1	<p>Below are the minimum specifications of the Two (2) Tripod System to be procured:</p> <ul style="list-style-type: none"> - 2-stage aluminum tripod with a 75mm bowl base - Fluid head with a 22 lb payload - 31 to 61" height range - 360° pan rotation with an independent pan lock - -75 to 90° tilt adjustment - Pan bar included - Camera plate with anti-twist flip locks and padding - Built-in mid-level spreader - Retractable rubber feet with spiked feet under them - Oversized twist leg locks - Integrated leg buckles for more secure transport and storage 	
1	<p>Below are the minimum specifications of the Two (2) LED PAR Slim 60*3W White Amber to be procured:</p> <ul style="list-style-type: none"> - Input Voltage: AC 90V-240V 50Hz-60Hz - Power Consumption: 40W - 150W - Lamp (White Amber): 60 pcs, 3W - Channel: 7CH - Control Mode: DMX512, Sound Active, Master/Slave - Packing Size: 510*440*280mm - Gross Weight: 3.2Kg. - Net Weight: 3kg. - Warranty: One year on parts & service 	
1	<p>Below are the minimum specifications of the One (1) Heavy-Duty Light Stand to be procured:</p> <ul style="list-style-type: none"> - Load Capacity: 11 lb / 5kg - Maximum Height: 149.6" / 12.5ft - Minimum Height: 43.3" / 3.6ft - Folded Length: 43.3" / 3.6ft - Number of Sections: 4 <p>Below are the minimum specifications of the One (1) Deep Quick-Folding Umbrella Style Round Softbox to be procured:</p> <ul style="list-style-type: none"> - 47in (120cm) 	

<p>2</p>	<ul style="list-style-type: none"> - with a Phottix compatible S-Mount (Bowens) - with inner baffle - with outer diffuser - with travel bag <p>Below are the minimum specifications of the One (1) Compact Wireless Microphone System to be procured:</p> <ul style="list-style-type: none"> - Built-In Omni Mic & 3.5mm Mic Input - with a Phottix compatible S-Mount (Bowens) - Miniature Clip-On Transmitter - Miniature Clip-On Receiver - Easy Setup with no Menus - Three (3) Adjustable Gain Settings - 7 Hour Rechargeable Batteries + USB Power - Bright, Informative LCD Screen - Battery Status & Audio Level on Display - Up to 8 Mics on Set / 230' Range - Warranty: One- year on parts and service 	
<p>6</p>	<p>Below are the minimum specifications of the Two (2) Broadcast Headset to be procured:</p> <ul style="list-style-type: none"> - Circumaural, Sound-Isolating Design - Up to 32 dB Passive Noise Reduction - Padded Headset for Prolonged Listening - 60 Hz to 25 kHz Frequency Response - Hypercardioid Dynamic Boom Microphone - 80 Hz to 16 Hz Frequency Response on Mic Adjustable Audio Range of - 45 dB on Mic - Switchable ActiveGard Hearing Protection - Cable Design Minimizes Handling Noise - 6.6' Cable with XLR & 1/4" Jacks Linear sound reproduction optimized for speech intelligibility - Microphone can be worn either on right or left side - Comfortable padding design allows for extended use in long wearing sessions - Headphone: Maximum Sound Pressure Level (SPL): 123 dB at 1 kHz - Microphone Type: Dynamic - Connector 1: Proprietary connector with attachment screws - Connector 2: XLR 3-pin male - Connector 3: 1/4" TRS male - Cable Length: 6.6' / 2 m - Weight: 3.7 oz / 106 g - Warranty: One- year on parts and service <p>Below are the minimum specifications of the Six (6) Lapel System to be procured:</p> <ul style="list-style-type: none"> - Connector Type: 1/4 inch unbalanced, 3-Pin XLR balanced - Family R300 - Operating Temperature Range: 5° - 45° C (41° - 113° F) - Case Material: Metal - RF Frequency Range: 16MHz 	

2	<ul style="list-style-type: none"> - Signal-to-Noise Ratio (A-weighted) greater than 100 dBdB - Power Requirement 12-16 VDC, 500 mA max - Controls: On/Off, Set, Up, Down, Sync - Antennas: Flexible TNC 1/2 Wave - Number of Channels: 32 Per Band, 8 Simultaneous - Diversity: True Antenna - Squelch: Tone code plus Amplitude - Receiver Type: Synthesized PLL - RF Sensitivity (12 dB SINAD)less than 1.0uV - Audio Frequency Response 80 Hz - 18kHz +/- 2dB - Balanced Line Level Output (RMS Adjustable) 10 - 100mV - Distortion (@ 1 kHz, 40 kHz deviation) less than 1.0, 0.4 typical% - Dynamic Range greater than 95 dBdB - Power Supply 12 VDC, 500 mA max - Polar Pattern Cardioid - Battery Life 14 Hours with (2) AA alkalines typical - RF Output 8 mW Typical - Element ULM18 Directional Microphone - Warranty: One- year on parts and service <p>Below are the minimum specifications of the Two (2) Condenser Microphone to be procured:</p> <ul style="list-style-type: none"> - Features ultra-low-noise Advanced Preamplifier Technology - 4dB of self-noise and max SPL of 131dB (total dynamic range of 127dB) - Cardioid, omnidirectional, and figure-8 polar patterns for maximum flexibility - Dual 1" externally biased ultra-thin 2.5-micron, 24-karat gold-layered low-mass diaphragms provide superior transient response - Class A discrete transformerless preamplifier for transparency - Extremely wide frequency response (20Hz-20kHz), with no crossover distortion - Minimal harmonic and intermodulation distortions - Premium electronic components and gold-plated internal and external connectors - Subsonic filter eliminates rumble from mechanical vibration below 17Hz - Switchable 15dB pad for handling extremely high sound-pressure levels (SPLs) - 3-position, switchable low-frequency filter (-6dB/octave below 115Hz, or - -18dB/octave below 80Hz) helps to reduce unwanted stand vibration noise or to - counteract proximity effect - Integrated 3-stage "pop" protection grille reduces plosives and other breath noise - Includes ShureLock suspension shockmount, ShureLock stand mount, carrying case, - and velveteen pouch 	
1	<ul style="list-style-type: none"> - Net weight: 17.4 oz. - Requires +48V phantom power - Warranty: One- year on parts and service 	
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2	<p>Below are the minimum specifications of the One (1) Camera Slider to be procured:</p> <ul style="list-style-type: none"> - Length: 75cm - Built with precision bearings - Moves smoothly and quietly - Heavy-duty Aluminum construction - Can be used standalone or mounted on tripod(s) - Heavy-duty Cam Slider SK-GT100 - Size: 100*14*12 cm - Product weight: 3.81 KG - Max load capacity: 12 KG - Warranty: One- year on parts and service <p>Below are the minimum specifications of the One (1) Wall Mountable Data Cabinet to be procured:</p> <ul style="list-style-type: none"> - Size: 600mm*600mm*12U - Surface treatment: Degreasing, pickling, phosphating, power coating, etc. - Standard: Comply with ANSI/EIA RS-310-D,IEC2972,DIN41491PARTI,DIN41494 ; PART7,GB/T3047.2-92 standard; compatible with ETSI standard - Column spacing: 465mm (19 inch) - Material:SPCC cold rolled steel - Function: Can install server equipment, the router, patch panel, VM,UPS,Network device, etc. - Thickness Mounting Profile: 1.5mm,others: 1.2/1.0mm - Configuration: Cage nuts and M6 screws: 10 sets. - Device Installation: It is recommended to install network Equipment / server device within 350 mm depth. - Warranty: One- year on parts and service 	
1	<p>Below are the minimum specifications of the Two (2) HD Analog and IP Camera to be procured:</p> <ul style="list-style-type: none"> - Max 30fps@1080P - Built-in mic (-A) - CVI/CVBS/AHD/TVI switchable - 3.6mm fixed lens (2.8mm optional) - Max. IR length 25m, Smart IR - IP50, DC12V - Warranty: One- year on parts and service <p>Below are the minimum specifications of the One (1) 8-Port Ethernet Switch to be procured:</p> <ul style="list-style-type: none"> - Layer Layer 2 - Managed No - Hardware - Standard Power Supply Yes - PoE No - Ethernet Port 8 - Ethernet Port Rate 1 Gbps - Power Supply 5V/1A DC - Operating Temperature -10°C to 55°C (14°F to 131°F) - Operating Humidity 10%–90% - Storage Temperature -40°C to 70°C (-40°F to 158°F) - Storage Humidity 10%–90% - Power Consumption Idling: 0.81W - Full load: 4W - Performance - Switching Capacity 16 Gbps - Packet Forwarding Rate 11.9 Mpps 	

1	<ul style="list-style-type: none"> - Packet Buffer Memory 1.5 Mbits - MAC Table Size 2K - Standards Compliance IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3x - Warranty: One- year on parts and service <p>Below are the minimum specifications of the One (1) Network Video Recorder to be procured:</p> <ul style="list-style-type: none"> - 4 Channel Compact 1U 1HDD 4PoE Network Video Recorder - Security baseline 2.1 and the new 4.0 user interface - H.265 auto switch; H.264, H.265, Smart H.264+, and Smart H.265+ - Maxim. decoding speed: 8 x 1080p at 30 frames per second. Facilitates - adaptable decoding - Complies with RTSP and ONVIF standards for mainstream cameras - Peer-to-peer remote monitoring, mobile device video playback - Simultaneous VGA and HDMI video output; HDMI maximum resolution is 4K - AI through camera: SMD, heat map, IVS, people counting, perimeter - security, and face detection - Facilitates remote IPC configuration and management, including setting - parameters, obtaining data, and batch upgrading IPC of the same model. - Warranty: One- year on parts and service <p>Below are the minimum specifications of the One (1) Face Recognition Controller to be procured:</p> <ul style="list-style-type: none"> - 15.6 inch glass touch screen with a resolution of 272 × 480. - 2-MP wide-angle dual-lens camera with IR illumination and - DWDR. - Multiple unlock methods including fingerprint, face, IC card and - password. - Supports 6,000 users, 6,000 faces, 6,000 passwords, 6,000 - fingerprints, 10,000 cards, 50 administrators, and 300,000 - records. - Recognizes faces 0.3 m to 1.5 m away (0.98 ft-4.92 ft); - face - recognition accuracy rate of 99.9% and the 1:N - comparison time is - 0.2 s per person. - Supports improved security and to protect against the - device - being forcefully opened, security module expansion is - supported. - Features face mask detection and safety helmet - detection. - Supports visitor QR code and doorbell function. - Supports making video calls and using the app to - receive alarm 	
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1	<ul style="list-style-type: none"> - notifications, remotely unlock doors and to perform other tasks. - TCP/IP and Wi-Fi connection. - PoE power supply. - IP65 rated - Warranty: One- year on parts and service <p>Below are the minimum specifications of the One (1) HD Analog TV to be procured:</p> <ul style="list-style-type: none"> - 178°H/178°V extra-wide viewing angle for overall viewing performance - Support the adjustment of brightness, contrast and color of the display - 10ms fast response time with no image blurring or ghosting - Support multiple signal inputs such as HDMI,VGA and USB - Professional thermal design to extend equipment lifespan - Low energy consumption, long service life - Physical button and infrared remote dual control mode - Warranty: One- year on parts and service 	
2	<p>Below are the minimum specifications of the One (1) UPS to be procured:</p> <ul style="list-style-type: none"> - Line interactive design - Boost and buck AVR (Auto voltage regulation) - Fully digitized microprocessor controlled - Energy saving function (UPS green mode) - 50/60Hz frequency auto sensing and selection - Cold start function (DC power on) - Lightning and surge protection - Short circuit and overload protection - Advanced battery management (ABM technology) - Tel/Modem internet surge suppression - Smart RS-232 communication port * - Automatically charging when UPS off - History record of power failure events * - Back up, on-line, battery status, power status display by software - Schedule shutdown & reboot - Warranty: One- year on parts and service <p>Below are the minimum specifications of the Two (2) Digital Monitor Speaker to be procured:</p> <ul style="list-style-type: none"> - Ultra-linear 2-way digital monitor speakers ideally suited for computer studios, audio and multimedia workstations - True bi-amping mode with 4 amplifiers for ultimate high-resolution sound - 150 Watts of digital power amplification - Ultra-high resolution 1" silk dome tweeter for superior audio reproduction - Long-throw 5" woofers with deformation-resistant cone for ultimate bass response - Advanced waveguide technology provides ultimate sound dispersion and extremely large "sweet spot" 	

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- Adjustable volume control and tweeter sensitivity to adapt to a wide range of acoustic conditions
- Warranty: One- year on parts and service

Other Requirements:

- Acoustics Panels for the Studio/9th Floor Conference Room
- Electrical Materials, Cables connectors, mouldings and panels

LOT 3 (COMMUNICATION AND PUBLICATION - LED DISPLAY VIDEO WALL)

Below are the minimum specifications of the (1) LED Display Video Wall to be procured:

- Pixel Pitch (mm): 1.953
- Pixel Density (dot) m2: 260000
- Cabinet Dimension(W*H*D): 500x500mmx70mm
- Cabinet Resolution (Pixel): 256x256
- Proposed Display Area (FT) (W*H): 40 PANELS
- Panel Size (mm): 250x250
- Module Resolution (Pixel): 128x128
- Module weight(Kg): 0.5
- Panel Material: Die-cast aluminum
- Maintenance Method: Front & Rear
- Luminance(cd/m2): 1000
- Horizontal viewing angle (°): 120
- Vertical viewing angle (°): 120
- Best Viewing Distance: ≥2.9
- Grayscale (Bit): 12-14
- Refresh Frequency: >3840
- Operating temperature: -20°C~+50°C
- Max. Power Consumption(W/m2): 800
- Ave. Power Consumption(W/m2): 560
- Signal Transfer: Wired (Lan Cable or Fiber)
- Display Capacity: Text, image, Graphics, Video,
- Led Lifespan: 100,000 hours
- With video processor
- With flight case
- With framing structure system
- Warranty: One- year on parts and service

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LOT 4 (DIGITALIZATION OF RECORDS)

Below are the minimum specifications of the One(1) Server to be procured:

1. Processor Intel Xeon E-2414
 - Base Frequency: 2.6 GHz
 - Cores: 4 cores
 - Cache: 12 MB Intel Smart Cache
 - Socket Type: LGA 1151
 - Technology: 64-bit

3	<ul style="list-style-type: none"> - 2 x 16GB Tru DDR5 4800 MHz UDIMM (Dual channel memory, for optimal performance) - Total Memory: 32 GB (expandable based on system requirements) <p>3. Storage</p> <ul style="list-style-type: none"> - 2.5" SATA SSD (240GB x 2) for high-speed storage and quick data access - 2.5" 10K SAS HDD (2.4TB x 3) (Hot Swap, 512e, 3x 12GB) for enterprise-level data storage with high throughput and reliability - Hot Swap functionality for easy drive replacement without system downtime - RAID Compatibility for hardware RAID setups, suppose HW RAID (share with Think System Option) including RAID 1, RAID 5, RAID 10, etc. <p>4. Networking</p> <ul style="list-style-type: none"> - 1 x 2-port 10GBase-T Ethernet Adapter for high-speed network connectivity (10 Gbps) - 1 x 2-port 1GBase-T Ethernet Integrated for standard network connectivity (1 Gbps) <p>5. Operating System</p> <ul style="list-style-type: none"> - Windows Server 2022 Standard ROK (16-Core) (Multi- Language support) - The operating system must support server virtualization, remote management, and high-availability configurations - License: The operating system must be licensed with Windows Server CAL 2022 (5 Devices) <p>6. Warranty</p> <ul style="list-style-type: none"> - Three (3) years warranty covering parts and service (on-site support) - 24x7 support with 4-hour response time for critical issues <p>7. Additional Features</p> <ul style="list-style-type: none"> - Hot Swap Drive Bays for additional storage expansion - Redundant Power Supply for power failure protection (optional based on configuration) - Advanced Remote Management (e.g., IPMI or iDRAC for system monitoring and management) - Remote Diagnostics and Recovery Tools for quick troubleshooting <p style="text-align: center;">Below are the minimum specifications of the Three (3) Scanners to be procured:</p> <p style="text-align: center;">ONE (1) UNIT HIGH PRODUCTION DOCUMENT SCANNER (A3)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">1. Type</td> <td>High Production Document Scanner (A3 format)</td> </tr> <tr> <td>2. Brand</td> <td>Branded and Brand New (must be from a reputable manufacturer)</td> </tr> </table>	1. Type	High Production Document Scanner (A3 format)	2. Brand	Branded and Brand New (must be from a reputable manufacturer)	
1. Type	High Production Document Scanner (A3 format)					
2. Brand	Branded and Brand New (must be from a reputable manufacturer)					

	<p>3. Scanning Speed 160 pages per minute (ppm) / 320 images per minute (ipm) (for both simplex and duplex scanning)</p> <p>4. Recommended Daily Volume</p> <ul style="list-style-type: none"> - 150,000 pages per day (suitable for high-volume scanning environments) <p>5. Feeder Capacity Up to 500 sheets for automatic document feeding (ADF)</p> <p>6. Document Size Capacity</p> <ul style="list-style-type: none"> - Max document size: 12 inches x 17 inches (supports large format documents) - Min document size: 2.5 inches x 2.5 inches (suitable for small documents, including receipts or ID cards) <p>7. Long Document Mode</p> <ul style="list-style-type: none"> - Up to 160 inches (for scanning longer documents such as contracts, plans, and blueprints) <p>8. Scanning Path</p> <ul style="list-style-type: none"> - Straight Path and C-Path (for versatility in handling different types of documents and ensuring document integrity) <p>9. Flatbed : A3 BookEdge Flatbed (for scanning bound documents, books, or fragile materials)</p> <p>10. Connectivity - USB 3.0 or higher (for fast data transfer)</p> <p>11. After-Sales Support</p> <ul style="list-style-type: none"> - 1-year warranty (covering parts and labor) - Service unit deployment (in case of failure or major repair, a loaner unit will be provided while the faulty unit is repaired) <p>12. Software Compatibility: - Must include compatible scanning software for document management, OCR (optical character recognition), and image processing</p> <p>13. Power Consumption</p> <ul style="list-style-type: none"> - Energy-efficient with low power consumption during operation and standby mode <p>14. Operating Environment</p>	
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- Operating Temperature: 10°C to 35°C (suitable for use in standard office conditions)
- Humidity: 20% to 80% RH (Relative Humidity) (non-condensing)

15. Document Handling Features

- Duplex scanning (scans both sides of the document in a single pass)
- Automatic Document Feeder (ADF) with automatic page size detection
- Anti-jam technology for smooth and consistent feeding of all types of paper

TWO (2) UNITS LOW PRODUCTION DOCUMENT SCANNERS (A3)

1. Scanning Speed 100 pages per minute (ppm) / 200 images per minute (ipm)

2. Recommended Daily Volume

45,000 pages per day (suitable for medium-volume scanning environments)

3. Feeder Capacity Up to 300 sheets for automatic document feeding (ADF)

4. Document Size Capacity

- Max document size: 12 inches x 17 inches (supports large format documents)

5. Long Document Mode

- Up to 160 inches (for scanning longer documents such as contracts, plans, and blueprints)

6. Scanning Path

- Straight Path and C-Path (for versatility in handling different types of documents and ensuring document integrity)

7. Scanning Capability

- Dual CCD (Duplex) scanning for efficient two-sided scanning in a single pass
- ADF (Automatic Document Feeder) capability for continuous scanning of multiple page

8. Intelligent Scanning Features

- Max document size: 12 inches x 17 inches (supports large format documents)

4	<ul style="list-style-type: none"> - Min document size: 2.5 inches x 2.5 inches (suitable for small documents, including receipts or ID cards) Up to 160 inches (for scanning longer documents such as contracts, plans, and blueprints) - Straight Path and C-Path (for versatility in handling different types of documents and ensuring document integrity) - Dual CCD (Duplex) scanning for efficient two-sided scanning in a single pass - ADF (Automatic Document Feeder) capability for continuous scanning of multiple pages - File format outputs: TIFF, JPEG, RTF, PDF, searchable PDF, scan to Excel, scan to Word <ul style="list-style-type: none"> - TWAIN and ISIS compliant - Capable of scanning color, black & white, and grayscale - Must include zonal OCR, barcode recognition, and manual data entry capabilities - Built-in search engine, database, and viewer for easy document retrieval <ul style="list-style-type: none"> - Content-based blank page detection and deletion - Multi-color dropout feature for separating color - Automatic orientation adjustment <ul style="list-style-type: none"> - Color-on-the-fly toggle patch for flexible color management during scanning - Output resolution options: 100 dpi, 150 dpi, 200 dpi, 240 dpi, 300 dpi, 400 dpi, 600 dpi - Intelligent ultrasonic technology with three sensors that can work together or independently to detect paper jams or misfeeds 9. Power Consumption <ul style="list-style-type: none"> - Energy-efficient with low power consumption during operation and standby mode 10. Other Terms and Conditions <ul style="list-style-type: none"> - Training: The awarded bidder must provide on-site training for staff on the proper operation, maintenance, and troubleshooting of the document scanners. - Warranty and Support: The supplier must provide a 1-year warranty covering parts and labor, with on-site support for troubleshooting and repairs. Additionally, a service unit will be provided in the event of a breakdown or need for repair. <p style="text-align: center;">Below are the minimum specifications of the Four(4) Desktop to be procured:</p> <ol style="list-style-type: none"> 1. Processor Intel Core i7 13700, 2.1 GHz, 16 cores, 24 threads (12 performance cores and 4 efficiency cores) 2. Memory 16 GB DDR4 3200 UDIMM (expandable) 3. Graphics Integrated Graphics (Intel UHD Graphics 770 or equivalent) 	
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	<p>4. Storage One (1) 1TB 2280 M.2 PCIe 4x4 NVMe TLC SSD</p> <p>5. Display Type 23.8-inch FHD (1920x1080), Anti-Glare, 250 nits brightness</p> <p>6. Networking Integrated Gigabit Ethernet (10/100/1000 Mbps)</p> <p>7. Wireless Integrated Intel AX211 Wi-Fi 6E (160 MHz) + Bluetooth 5.3 WW WLAN</p> <p>8. Audio Integrated speaker</p> <p>9. Ports</p> <ul style="list-style-type: none"> - 1 x Headphone/Microphone Combo - 1 x SuperSpeed USB Type-C (10Gbps signaling rate) - 3 x SuperSpeed USB Type-A (10Gbps signaling rate) - 1 x Audio-out - 1 x Power connector - 1 x RJ-45 (Ethernet) - 1 x HDMI 1.4 - 3 x SuperSpeed USB Type-A (5Gbps signaling rate) - 1 x DisplayPort™ 1.4 - 2 x USB Type-A (480Mbps signaling rate) <p>10. Keyboard USB Keyboard (Black)</p> <p>11. Mouse USB Optical Mouse (Black)</p> <p>12. Power Supply</p> <ul style="list-style-type: none"> - 180W internal power supply, up to 90% efficiency, active PFC (for standard use) - 240W internal power supply, up to 92% efficiency, active PFC (for high-performance configurations) <p>13. Security Features</p> <ul style="list-style-type: none"> - TPM 2.0 Embedded Security Chip - Browser-based threat containment and AI-based malware scanning - Data protection through BIOS-level destruction of sensitive data (on SSD/HDD) - Anti-phishing and credential protection - Application and service utilization of no more than 5% of CPU capacity - Ransomware Protection with proactive features, including reserve check, behavioral check, resources check, etc. - Patented virus and malware scanning and detection technology - Malicious Traffic Detection, Host Intrusion Prevention, Domain and IP reputation checks - Cloud-based updates for malware definition - Email scanning for spam, phishing, and SSL ports coverage - URL Filtering, Anti-phishing, Device Control, and Privacy Protection - Backup and recovery utilities - Automated protection and customizable safeguards to protect from cyber threats without affecting productivity <p>15. Operating System</p> <ul style="list-style-type: none"> - Licensed Microsoft Windows 11 Pro 64-bit 	
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16. Software

- Licensed MS Office Home and Business Edition 2021
(to be activated by MARINA)

- Licensed Antivirus software (with 3 years subscription, compatible with existing MARINA Anti-virus solution)

Operating Systems Supported : (Windows: XP SP 2 / Vista / Windows 7 / Windows 8 / Windows 8.1 / Windows 10 / 2000 (Workstation) [All 32-bit and 64-bit Editions]) (Linux: RHEL 4 and above / CentOS 5.10 and above / SLES 10 SP3 and above / Debian 4.0 and above / openSuSe 10.1 and above Fedora 5.0 and above /Ubuntu 6.06 and above [All 32-bit and 64-bit Editions]) (MacOS: OS X Snow Leopard (10.6 or later) / OS X Lion (10.7 or later) / OS X Mountain Lion (10.8 or later) / OS X Mavericks (10.9 or later)/ OS X Yosemite (10.10 or later) / OS X El Capitan (10.11 or later) / macOS Sierra (10.12 or later)/ macOS High Sierra (10.13 or later)

- Dedicated engine for Ransomware detection and blocking.

- Ransomware protection must have the following checking process:

- Reserve check
- Behavioral check
- Resources check
- Signature check
- File check

- Patented scanning and detection technology for virus and malwares.

- Protection for Windows at the WinSock layer, scanning thru WinSock Layer scan before it reaches to the operating system.

- Proactive, Heuristic, and Real-time Scanning Engine (file and mail)

- Malicious Traffic Detection and Host Intrusion Prevention System

- Domain and IP Reputation Check

- Non-Intrusive Learning Pattern

- Cloud Security: Centralized definition updates thru cloud

- Scheduled and On-demand Scanning

- Configurable scanning priority (high, medium, and low)
- Configurable to set background scanning
- Customizable actions on malware of infected file (clean, quarantine, and delete)
- Ability to block attachments on Instant Messengers
- Website that capable to upload and analyze potential malware or virus

- Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.

- Incoming and outgoing emails scanning for spam and phishing emails with artificial intelligence and machine learning support.

- Scanning must covered standard and SSL mail ports.

- Support for the following filtering layers:
 - Customizable word/phrase filtering
 - Mail Non-Intrusive Learning Pattern
 - Email Header and X-Spam Rules Checking
 - SPF Checking
 - SURBL & RBL (pre-defined and customizable) checking

- Blocking of attachments based on type (pre-defined and customizable with wildcard support)

- Archival of Mail and Attachments with archived mail viewer.

- Product should be able to take actions on malicious emails based on user defined actions.

- Customizable alert notifications for various level of events in like of virus outbreak and data theft.

- Customizable actions for spam/phishing emails.

- Able to tag spam mails in subject line with SPAM for considered spam mails.
- Mail Gateway Anti-Spam and Content Security
- Capable to allow and block URL or website access based on database of pre-defined category or end-user customized category

- Allow and block URL or website access based on scheduled time
- Product should be able to allow customized web security policies in per user and per group
- Easy configuration for block all sites with allowed particular websites only
- Anti-phishing filter for websites based in intelligent heuristics
- Product should have cloud intelligence capabilities for understanding and blocking malicious URLs
- Device and Application Control
- Privacy Protection and Maintenance
- Rescue and Recovery Utilities
- User Defined File and Folder Protection (Network Protection)
- Unified Management Console
- Reporting
- Asset Management and Patch Management
- Certifications: VB 100 Virus Definition, AV Test, AV Comparative

17. Warranty

- Three (3) years warranty on parts and service, covering all hardware failures
- Call-back response time within 2 hours for technical support (via email, phone, or online)
- On-site support within the next business day for hardware issues at the MARINA Central Office location
- Service units to be provided if units cannot be repaired within five (5) days, with similar or higher specifications

18. Certifications

- Must be Energy Star compliant
- Must have VB 100 Virus Definition, AV Test, and AV Comparatives certifications

19. Power Protection - 650VA UPS for backup power

20. Recovery Features

- Must have recovery partition for system recovery
- Must provide recovery CD/DVD with the operating system, drivers, and other necessary recovery installers

21. Hard Disk Formatting

- F11 key or equivalent for system recovery access
- Disk to be formatted with 40% for system disk and 60% for data storage disk

Below are the minimum specifications of the One (1) Firewall Security Appliance to be procured:

1. Form Factor:
 - o Rackmount: 1U
2. Performance:
 - o Firewall IMIX : 20,000 Mbps
 - o Firewall Throughput : 39,000 Mbps
 - o Ips Troughtput: 7,000 Mbps
 - o IPsec VPN Throughput: 20,500 Mbps

1

	<ul style="list-style-type: none"> ○ IPsec VPN concurrent tunnels: 5,000 ○ NGFW: 6,300 Mbps ○ Concurrent Connections: 6,500,000 ○ Threat Protection Throughput: 1,500 Mbps ○ SSL/TLS Inspection Throughput: 1,450 Mbps ○ SSL/TLS Concurrent Connections: 18,432 <p>3. Processor & Memory:</p> <ul style="list-style-type: none"> ○ Processor: x86 architecture, multi-core CPU (AMD/Intel) ○ RAM: 4 GB DDR4 ○ Storage: Minimum of 120 GB SATA <p>4. Network Interfaces:</p> <ul style="list-style-type: none"> ○ Ethernet Interfaces: <ul style="list-style-type: none"> 8 x Gigabit Ethernet (GE) copper 2 x SFP fiber ports (for fiber connections) ○ Management Interfaces: <ul style="list-style-type: none"> 1 x RJ45 Management (MGMT) port 1 x COM RJ45 (serial console) port 2 x USB port 1 x Micro USB <p>5. Security Features:</p> <ul style="list-style-type: none"> ○ Intrusion Prevention System (IPS): Real-time deep packet inspection and threat detection ○ Application Control: Granular control over application usage and traffic shaping ○ Web Filtering: Blocking of malicious websites and unwanted content ○ Anti-Malware: Dual-engine antivirus and anti-malware protection ○ Advanced Threat Protection (ATP): Real-time protection against zero-day threats <p>6. VPN & Encryption:</p> <ul style="list-style-type: none"> ○ IPsec VPN: Secure VPN connections with support for 10,000+ concurrent tunnels ○ SSL VPN: Secure remote access with support for SSL/TLS encryption ○ SSL/TLS Inspection: Deep packet inspection of encrypted traffic for threats and malicious content ○ Authentication: Supports multi-factor authentication, integration with Active Directory, LDAP, RADIUS, and TACACS+ <p>7. Management & Usability:</p> <ul style="list-style-type: none"> ○ Centralized Management: Cloud or on-premise-based management for multiple firewalls ○ Group Policy Management: Allow centralized configuration of firewall policies across all devices ○ Firewall Rule Management: Simplified interface for creating and managing firewall rules ○ Task Manager: Historical audit trail of firewall changes and status monitoring ○ Firmware Management: Automatic updates and backups, including support for rollback ○ Zero-Touch Provisioning: For rapid deployment and configuration ○ Cloud Integration: For centralized reporting, monitoring, and management ○ Web-Based Interface: Easy-to-use management portal for configuration and monitoring ○ High Availability (HA): Support for clustering in active-active or active-passive configurations <p>8. Power Supply:</p>	
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- Input Power: 100-240 VAC, auto-ranging
- Optional Redundant Power Supply: Supported
- 9. **Physical Dimensions:**
 - Form Factor: 1U Rackmount
 - Height: 1U
 - Width: 19 inches (standard 1U rack width)
 - Depth: As required for cooling and airflow

III. Subscription and Warranty Terms

1. **Subscription:**
 - Subscription Period: Three (3) years from the date of installation
 - Subscription Includes:
 - § Access to regular software updates
 - § Security patches and threat intelligence feeds
 - § Firmware updates
 - § Subscription support (24/7)
2. **Warranty and Support:**
 - Warranty: At least 3 years hardware warranty with Advanced Exchange support
 - Support: 24/7 support via telephone, email, and remote consultation
 - Software Updates: Free for the duration of the warranty period
 - Consultation Services: Vendor-provided remote consultation services for configuration and troubleshooting
 - End-User Training: Training on deployment, configuration, and management (optional)

IV. Security Certifications

1. **Certifications:**
 - Compliance with international safety and EMC standards, including CB, CE, UL, FCC, ISED, VCCI, RCM (as applicable)
 - Firewall Certifications: Certified for use in government environments with security certifications such as FIPS (Federal Information Processing Standard), Common Criteria, or equivalent.

V. Additional Features

1. **High Availability (HA)**
 - Clustering: Support for active-active and active-passive clustering configurations
 - Automatic Failover: Ensures minimal downtime in case of hardware failure
2. **Web Filtering & Application Control:**
 - Granular Policy Control: Allow, block, or limit access based on IP, user, or time of day
 - Real-Time Malware Scanning: Automatic blocking of viruses, malware, spyware on HTTP/S, FTP, and email traffic
3. **Network Security:**
 - Deep Packet Inspection (DPI): Comprehensive inspection of inbound and outbound network traffic
 - DDoS Protection: Prevention against Distributed Denial of Service (DDoS) attacks
 - Traffic Shaping (QoS): Ability to manage traffic based on user, device, or application type
4. **Traffic Analysis and Reporting:**

- Real-Time Monitoring: Comprehensive monitoring and logging of network traffic and security events
 - Cloud-Based Reporting: Integration with a cloud platform for enhanced reporting and storage
5. Virtualization Support:
- Virtual Firewall Deployment: Capable of running in a virtualized environment (VMware, Hyper-V, etc.)

VI. Delivery and Installation

- Installation: Installation and configuration of the firewall appliance must be provided by the vendor, ensuring all components are properly set up and integrated into the network.
- Training: Vendor must provide necessary training for system administrators and technical staff.

- DOCUMENT ARCHIVING SYSTEM

- Support unlimited data capture thru zonal Optical Character Recognition (OCR), drag-and-drop OCR indexing, manual data entry, double data entry indexing, Mark Detection (Optical Mark Recognition), barcode indexing, database lookup to validate or populate fields with data from ODBC -compliant sources
- Perpetual license ownership
- Unlimited search and retrieval; with built-in search engine, database and viewer

- DURATION OF THE CONTRACT (LOT 4 (DIGITALIZATION OF RECORDS))

- The contract for the project is for a period of six (6) months.

DELIVERABLES(Digitalization/Indexing of Images)

- Target volume for the duration of the contract is the digitization of One (1) million images.

- PERIOD OF DELIVERY

- The winning bidder shall deliver and install the document archiving system, production scanner, server and desktop computers and deploy the manpower personnel at the MARINA Central Office, within one hundred and twenty (120) days from receipt of Notice to Proceed.

- GENERAL REQUIREMENTS

The Winning Bidder shall be responsible for the following:

- Supply, delivery, installation, configuration, testing, and deployment of server, desktop, firewall, and production scanners to be used for the project;
- Supply, delivery, installation, configuration, testing, deployment and training of Document Archiving System;

	<ul style="list-style-type: none"> • Supply, delivery, installation, configuration, testing, and deployment of server and the required number of desktop computers to be used for the project; • Provision of at least one (1) Engineer on site during the installation and deployment of the scanners; • Provision of the complete training and transfer of technology to the MARINA within thirty (30) days from delivery of equipment; • Submit the complete documentation in soft and hard copies of all IT products and services delivered; • Provision of service unit during the warranty period in case there is a need to replace defective scanner unit and its components; and <p>- OPERATIONS SUPPORT</p> <ul style="list-style-type: none"> • The volume of documents for digitization will be One Million (1,000,000) pages to be completed in six (6) months. • The winning bidder shall provide onsite, skilled personnel who shall perform the task of document grooming, indexing, scanning, quality control and re-filing. The scanner operators/technical support personnel to be assigned to the project will have at least one (1) year experience related to document imaging projects similar to that of MARINA. • The winning bidder shall provide one (1) Team Leader/Point Person for the project. The team leader will have at least five (5) years related experience in Digitization projects. The team leader will have related technical training for scanner support, trouble shooting and operations. • Skilled personnel will have completed a minimum of two (2) years university/ college course. • Work Schedule of the personnel shall be Mondays to Fridays, 8:00 a.m. to 5:00 p.m., excluding weekends and holidays. • Resumes of the team leader, service engineers, scanner operators, and other skilled personnel to be assigned to the project will be submitted as part of the technical bid proposal. <p>- REPORTORIAL REQUIREMENT</p> <ul style="list-style-type: none"> • Monthly Accomplishment Report following the format to be provided by the MARINA will be submitted by the winning bidder every 1st week of the succeeding month which describes their accomplishment. • Terminal Report (Summary of the Accomplishment Reports) to be submitted at the end of the contract. <p>- CONFIDENTIALITY OF DATA</p>	
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	<ul style="list-style-type: none"> • All project staff of the winning bidder shall be required to sign a non-disclosure agreement. • The MARINA system, its components, parts and all product samples and specifications, data, ideas, technology, and technical and non-technical materials, all or any of which may be derived from any of the foregoing (all of which, individually and collectively, referred to as “Proprietary Information”) are confidential and proprietary to the MARINA. • The winning bidder agrees to hold the Propriety Information in strict confidence. The winning bidder furthermore agrees not to reproduce, transcribe, or disclosure the Proprietary Information to third parties without prior written approval of the MARINA. Monthly Accomplishment Report following the format to be provided by the MARINA will be submitted by the winning bidder every 1st week of the succeeding month which describes their accomplishment. <p>- TECHNICAL SUPPORT</p> <ul style="list-style-type: none"> • The winning bidder must have locally available certified, qualified and experienced technical support personnel who will provide technical support during the warranty period. The winning bidder must submit resumes and certifications <p>- NON-DISCLOSURE AGREEMENT</p> <ul style="list-style-type: none"> • The winning bidder shall be required to enter into a Non-Disclosure Agreement (NDA) with the agency before commencing any work. • The NDA shall cover all information disclosed by the agency to the SP in connection to the project, including but not limited to: <ul style="list-style-type: none"> • The scanned documents themselves. • Any metadata associated with the scanned documents. • Project details, specifications, and requirements • Any information obtained by the supplier during their work on the project. 	
	<p><u>Other Requirement/s</u> For Lot 1</p> <p>The bidders must be an authorized reseller of the desktop, and laptop brands being offered and must submit a certification from the manufacturer</p>	

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

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

- (b) 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**
- (c) 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**
- (d) 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**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) 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

- (g) 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

- (h) 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

Other documentary requirements under RA No. 9184 (as applicable)

- (i) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.

II. FINANCIAL COMPONENT ENVELOPE

- (j) Original of duly signed and accomplished Financial Bid Form; **and**
- (k) Original of duly signed and accomplished Price Schedule(s).

Section IX: Bidding Forms

Annex “A”

COMPANY LETTERHEAD

Statement of ongoing government and private contracts

**PROCUREMENT OF VARIOUS INFORMATION AND COMMUNICATIONS
TECHNOLOGY (ICT) EQUIPMENT FOR 2025
FOR THE MARITIME INDUSTRY AUTHORITY (MARINA)**

Statement of all its ongoing government and or private contracts within the last three (3) years, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the Contract to be bid.

Name of Client	Name of Contract	Date and Status of Contract	Kinds of Goods	Amount of Contract	Value of Outstanding Contracts	Date of deliver	Purchase Order Number/s or Date of Contracts
Total value of outstanding contract:							

CERTIFIED CORRECT:

Name and Signature of Authorized Representative

Position

Date

COMPANY LETTERHEAD

Statement of Single Largest Completed Contract (SLCC)

**PROCUREMENT OF VARIOUS INFORMATION AND COMMUNICATIONS
TECHNOLOGY (ICT) EQUIPMENT FOR 2025
FOR THE MARITIME INDUSTRY AUTHORITY (MARINA)**

Statement of Single (1) Largest Completed Contract of Similar nature within the last five (5) years from the date of submission and receipt of bids amounting to at least fifty percent (50%) of the Approved Budget of the Contract (ABC)

Name of Client	Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Date of Completion	Contract Memorandum of Agreement; and Certificate of End-User's Acceptance (EUA) or Official Receipt (OR)/ Collection receipt covering the Full amount of contract (copies attached)

CERTIFIED CORRECT:

Name and Signature of Authorized Representative

Position

Date

Annex "C"

COMPANY LETTERHEAD

PROCUREMENT OF DOCUMENT SCANNER

Certificate of Net Financial Contracting Capacity

(Please show figures at how you arrived at the NFCC)

Th is	is to certify that	Our	Net Financial Contracting Capacity
(NFCC) is		(P)	which is at least equal to the ABC to be bid. The amount is computed as follows: (Please show computation of NFCC)
	NFCC = [(CA-CL) (15)] - C		
Where:			
C A	= Current Assets		
C L	= Current Liabilities		

C = Value of all outstanding or uncompleted portions of the projects under on-going contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.

NOTE:

The values of the bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements submitted to the BIR (Sec. 23.4.1.4.), Revised IRR of RA 9184.

Issued this _____ day of _____, 20____

Name & Signature of Authorized Representative

Position

Date

**PROCUREMENT OF VARIOUS INFORMATION AND COMMUNICATIONS
TECHNOLOGY (ICT) EQUIPMENT FOR 2025
FOR THE MARITIME INDUSTRY AUTHORITY (MARINA)**

Joint Venture Agreement*

This **PROTOCOL/UNDERTAKING OF AGREEMENT TO ENTER INTO JOINT VENTURE**, executed by:

..... a sole proprietorship/partnership/corporation duly organized and existing under and by virtue of the laws of the Philippines, with offices located at
....., represented herein by its
.....,
....., hereinafter referred to as
“.....”;

-and-

..... a sole proprietorship/partnership/corporation duly organized and existing under and by virtue of the laws of the Philippines, with offices located at
.....,
....., represented herein by its
.....,
....., hereinafter referred to as
“.....”;

-and-

..... a sole proprietorship/partnership/corporation duly organized and existing under and by virtue of the laws of the Philippines, with offices located at
.....,
....., represented herein by its
.....,
....., hereinafter referred to as”;
(hereinafter referred to collectively as “Parties”)

For submission to the **Bids and Awards Committee** of the **MARITIME INDUSTRY AUTHORITY**, pursuant to **Section 23.1 (b)** of the Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No.9184.

WITNESSETH That:

WHEREAS, the Parties desire to participate as a joint venture in the public bidding that will be conducted by the **MARITIME INDUSTRY AUTHORITY**, pursuant to Republic Act No. 9184 and its implementing rules and regulations, with the following particulars:

Bid Reference No.	
Name/Title of Procurement Project	
Approved Budget for the Contract	

NOW, THEREFORE, in consideration of the foregoing, the Parties undertake to enter into a **JOINT VENTURE** and sign a **Joint Venture Agreement** relative to their joint cooperation for this bid project, in the event that their bid is successful, furnishing the MARINA BAC a duly signed and notarized copy thereof within **ten (10) calendar days** from receipt of Notice from the BAC that

*if applicable

our bid has the lowest calculated responsive bid or highest rated responsive bid (as the case may be).

That furthermore, the parties agree to be jointly and severally under the said Joint Venture Agreement;

THAT finally, failure on our part to enter into the Joint Venture and/or sign the Joint Venture Agreement for any reason after the Notice of Award has been issued by shall be a ground for non-issuance of the Notice to Proceed, forfeiture of our bid security and such other administrative and/or civil liabilities as may be imposed by MARINA under the provisions of R.A. 9184 and its Revised IRR, without any liability on the part of MARINA.

This undertaking shall form an integral part of our Eligibility documents for the above-cited project.

IN WITNESS WHEREOF, the parties have signed this Protocol/Undertaking on the date first above-written.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN TO BEFORE ME this _____ day of _____ at Philippines. Affiant exhibited to me his/her competent evidence of Identity (as defined by 2004 Rules on Notarial Practice issued at _____, Philippines.

NOTARY PUBLIC

Doc. No. _____;
Page No. _____;
Book No. _____;
Series of _____

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]

Omnibus Sworn Statement (Revised)

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]

Company Letterhead

BID FORM

Date :

Project Ref. 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 Amount and Purpose of of agent Currency 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: _____

Company Letterhead
Financial Bid Form

Description	Quantity	ABC	TOTAL BID PRICE (Inclusive of VAT)
LOT 1 (OFFICE PRODUCTIVITY – ICT EQUIPMENT)	LOT	Fifty-Nine Million Four Hundred Thousand Pesos (Php 59,400,000.00)	
Total Bid Price Inclusive of VAT in Words			
LOT 2 (COMMUNICATION AND PUBLICATION EQUIPMENT)	LOT	Eleven Million Eight Hundred and Fifty Thousand Pesos (Php 11,850,000.00)	
Total Bid Price Inclusive of VAT in Words			
LOT 3 (COMMUNICATION AND PUBLICATION EQUIPMENT- LED DISPLAY VIDEO WALL)	LOT	Two Million Pesos (Php 2,000,000.00)	
Total Bid Price Inclusive of VAT in Words			
LOT 4 (DIGITALIZATION OF RECORDS)	LOT	Ten Million Two Hundred and Seventy Five Thousand Pesos (Php 10,275,000.00)	
Total Bid Price Inclusive of VAT in Words			

Price Schedule for Goods Offered from Within the Philippines

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

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: _____

Price Schedule for Goods Offered from Abroad

[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____