Republic of the Philippines
Department of Agriculture

PHILIPPINE FISHERIES DEVELOPMENT AUTHORITY

BIDDING DOCUMENTS
FOR THE

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT ICT EQUIPMENT, SOFTWARE LICENSES, AND CCTV SURVEILLANCE SYSTEM

April 2022

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Glossary of Acronyms, Terms, and Abbreviations

ABC - Approved Budget for the Contract.

SBAC - Special Bids and Awards Committee.

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

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

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

BIR - Bureau of Internal Revenue.

BSP - Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF - Cost Insurance and Freight.

CIP - Carriage and Insurance Paid.

CPI - Consumer Price Index.

DDP - Refers to the quoted price of the Goods, which means "delivered duty paid. "

DTI - Department of Trade and Industry.
EXW - Ex works.
FCA - "Free Carrier" shipping point.
FOB - "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project - Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 51b]).

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

GFI - Government Financial Institution.

GOCC - Government-owned and/or —controlled corporation.

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

GOP - Government of the Philippines.

GPPB - Government Procurement Policy Board.

IB - Invitation to Bid.

INCOTERMS - International Commercial Terms.

Infrastructure Projects - Include the construction, improvement, rehabilitation, demolition, repair, in restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as civil works or works. (2016 revised IRR, Section 5[u])

ITB - Instructions to Bidders.

LGUs - Local Government Units.

NFCC - Net Financial Contracting Capacity.

NGA - National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project - refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed,

and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA - Philippine Statistics Authority.

SEC - Securities and Exchange Commission.

SLCC - Single Largest Completed Contract.

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

UN - United Nations.

Section I. Invitation to Bid

Republic of the Philippines
Department of Agriculture
PHILIPPINE FISHERIES DEVELOPMENT AUTHORITY

INVITATION TO BID FOR
SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT ICT EQUIPMENT,
SOFTWARE LICENSES, AND CCTV SURVEILLANCE SYSTEM

1. The Philippine Fisheries Development Authority (PFDA), through the PFDA Corporate Funds intends to apply the sum of **₱ 10,643,000.00** being the Approved Budget for the Contract (ABC) for the ***Supply, Delivery, and Installation of One (1) Lot ICT Equipment and Software Licenses and CCTV Surveillance System*** for PFDA Central Office at PCA Annex Building. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The PFDA now invites bids for the above Procurement Project. Delivery of the Goods is required by 30 calendar days. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section ll. Instructions to Bidders OTB).

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

4. Prospective Bidders may obtain further information from Philippine Fisheries Development Authority and inspect the Bidding Documents at the address given below during 8:00 am to 4:00 pm.

5. A complete set of Bidding Documents may be acquired by interested bidders from the Special Bids and Awards Committee (SBAC) Secretariat, in the amount of **₱25,000.00**, on the following schedules and venue:

Schedules	Venue
April 25 to May 16, 2022	PFDA — Central Office, Diliman, Quezon City
May 17, 2022	Navotas Fish Port Complex (NFPC)

6. The Philippine Fisheries Development Authority will hold a Pre-Bid Conference on May 05, 2022 (Thursday); 10 AM at Navotas Fish Port Complex which shall be open to prospective bidders.

7. Bids must be duly received by the SBAC Secretariat through manual submission at the said venue on or before May 17, 2022 (Tuesday); 8:00 AM. Late bids shall not be accepted.

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

9. Bid opening shall be on May 17, 2022 (Tuesday); 10 AM at the Navotas Fish Port Complex. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

10. In observance with the protocol on social distancing, only one (1) designated/authorized representative per company shall be allowed to participate and/or attend in the conduct of the bidding activities.

11. Department of Agriculture - Philippine Fisheries Development Authority does not condone any form of solicitation on any prospective winning and losing bidders by any of our staff/employees or any other party. Any sort of this kind shall be reported immediately to the Office of the General Manager or the National Bureau of Investigation for entrapment and proper investigation.

12. The Philippine Fisheries Development Authority (PFDA) 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 Section 35.6 and 41 of the 2016 Revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

13. For further information, please refer to:

    Ms. Mary Ann D. Daquer
    Head, PFDA-SBAC Secretariat
    PCA Annex Bldg.
    Elliptical Road, Diliman, Quezon City
    sbac.co@pfda.gov.ph
    (02) 8925-8473/7850
    (02) 8925-6146

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

    Copy of the ITB will be uploaded here:

    https://pfda.gov.ph/index.php/bac/invitation-list

    Per PhilGEPS Advisory No. 11 - PhilGEPS Alternative Posting Tool, copy of the Bid Documents will be uploaded here:

    https://notices.ps-philgeps.gov.ph/main/index.php

THADEUS A. MARIANO
Chairperson
Special Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

1.1 The Philippine Fisheries Development Authority, herein referred to as the Procuring Entity wishes to receive Bids for the Supply, Delivery and Installation of One (1) Lot ICT Equipment, Software Licenses, and CCTV SURVEILLANCE System.

1.2 The Procurement of Supply, Delivery and Installation of One (1) Lot ICT Equipment, Software Licenses, and CCTV Surveillance System is composed of the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1 The Government of the Philippines (GOP) through the source of funding as indicated below for CY 2022 in the amount of Ten Million Six Hundred Forty-Three Thousand Pesos (PhP 10,643,000.00)

2.2 The source of funding:

PFDA Corporate Funds for CY 2022

3. Bidding Requirements

3.1 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.

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

3.3 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 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, the Bidder must have completed a single contract that is similar to this Project, equivalent to at least Fifty Percent (50%) of the ABC.

5.3 The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

Subcontracting is not allowed.

7.2 Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time 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 IX (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 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 SBAC 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 IX (Checklist of Technical and Financial Documents)**.

11.2 If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3 Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4 For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

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

    a. For Goods offered from within the Procuring Entity's country:

       i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

      ii. The cost of all customs duties and sales and other taxes already paid or payable;

      iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

      iv. The price of other (incidental) services, if any, listed in e.

    b. For Goods offered from abroad:

       i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.

      ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

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

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

14. Bid Security

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

14.2 The Bid and bid security shall be valid one hundred twenty (120) calendar days from the Bid Submission. 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

15.1 Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its Bid.

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

~~17.1~~ The SBAC 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 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 SBAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The SBAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2 If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3 The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4 The Project shall be awarded as one lot having several items that shall be awarded as one contract.

19.5 Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1 Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the SBAC 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	SPECIFIC INFORMATION/REQUIREMENTS
5.3	For this purpose, contracts similar to the Project shall be: a. Contracts for supply of ICT. b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.
12	The price of the Goods shall be quoted DDP Philippines or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the following amount: 1. Bid securing declaration. 2. The amount of not less than Two Hundred Twelve Thousand Eight Hundred Sixty Pesos (₱ 212,860.00) or 2% of the ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or 3. The amount of not less than Five Hundred Thirty-Two Thousand One Hundred Fifty Pesos (₱ 532,150.00) or 5% of the ABC, if bid security is in Surety Bond.
20.2	Valid and Current Certificate of Distributorship/Dealership/Resellership of the following product being offered, issued by the principal or manufacturer of the product (if Bidder is not the manufacturer). If not issued by manufacturer, must also submit certification / document linking bidder to the manufacturer. List of authorized Service Centers/Support Centers in the Philippines (with available spare parts, indicating address, telephone, fax number/s, e-mail address, contact person). In the event of closure of business, termination of franchise /service center, the supplier shall notify the PFDA accordingly of the new service centers with telephone numbers and address who can provide the needed parts, supplies and service.

Section IV. General Conditions of Contract

1. **Scope of Contract**

   1.1. 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.

   1.2. 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.

   1.3. 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**

   4.1 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.

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

5. **Warranty**

   5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.

   5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. **Liability of the Supplier**

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

   6.2 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

GCC Clause	Special Conditions of Contract
1	**Delivery and Documents –** 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: "The delivery terms applicable to this Contract are delivered to PFDA, PCA Annex Bldg. Elliptical Rd. Diliman Q.C... Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination." Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements). For purposes of this Clause the Procuring Entity's Representative at the Project Site is CPMISD – Information Technology Division.
	Incidental Services – The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: a. Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and b. User training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services. The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity The outer packaging must be clearly marked on at least four (4) sides as follows: Name of the Procuring Entity Name of the Supplier Contract Description

	4	Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.
		Transportation – Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price. Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.
		Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
	4	The inspections and tests that will be conducted are: Tests for Functionality

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.

Item Number	Description	Quantity	Delivered, Weeks/Months
1	Network Switches	20	90 days upon receipt of Notice to Proceed
2	POE Wireless AP/ WIFI Mesh	18	
3	Network Hardware Controller	2	
4	CAT6A Network Cable	5	
5	Desktop Computer All-In-One (AIO)	36	
6	Laptop	15	
7	Microsoft Windows 11 Pro	50	
8	Microsoft Office Professional Plus 2019	70	
9	Windows Server 2019 Data Center up to 24 Cores	10	
10	Microsoft SQL Server 2019 Enterprise Version (Unlimited Cores and CALs)	10	
11	Web/Data Server	1	
12	File Storage Server	1	
13	CCTV Surveillance System		
13.1	5MP Bullet Type Camera POE	10	
13.2	5MP Dome Type Camera POE	30	
13.3	64 Channel Network Video Recorder (NVR) non-PoE	1	
13.4	8TB Surveillance Hard Disk Drive (HDD) for item 13.3	8	
13.5	65" UHD LED Monitor	3	

Name of Company	Signature Over Printed Name of Authorized Representative	Date

Section VII. Technical Specifications

Technical Specifications

Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the 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 subject to the applicable laws and issuances.

Item	Specification	Statement of Compliance
1.	**PROVISION OF TWENTY (20) NETWORK SWITCHES**	
	1.1 MINIMUM TECHNICAL SPECIFICATION AND BUNDLES	
	1.1.1 Quality 　1.1.1.1 Branded, Brand New, and all must be of the same brand 1.1.2 Bundles 　1.1.2.1 Forty (40) SFP+ Copper RJ-45 Transceiver Module compatible with the above Network Switches	
	1.2 HARDWARE FEATURES	
	1.2.1 Interface with at least: 　1.2.1.1　24× 10/100/1000 Mbps RJ45 Ports 　1.2.1.2　4× 10G SFP+ Slots 　1.2.1.3　1× RJ45 Console Port 　1.2.1.4　1× Micro-USB Console Port	
	1.2.2 At least with 2 Fan	
	1.2.3 100-240 V AC~50/60 Hz Power Supply	
	1.2.4 PoE+ Ports (RJ45) at least having 　1.2.4.1　Standard: 802.3at/af compliant 　1.2.4.2　PoE+ Ports: 24 Ports, up to 30 W per port 　1.2.4.3　Power Budget: 384 W	
	1.2.5 Dimensions (W x D x H) 　1.2.5.1　17.3 × 13.0 × 1.7 in (440 × 330 × 44 mm)	
	1.2.6 Mounting: Rack Mountable	
	1.2.7 Max Power Consumption 　1.2.7.1　34.4 W (110V/60Hz) (no PD device connected) 　1.2.7.2　465.8 W (110V/60Hz) (with 384 W PD device connected)	
	1.2.8 Max Heat Dissipation 　1.2.8.1　117.38 BTU/h (110 V/60 Hz) (no PD device connected)	

	1.2.8.2 1589.31 BTU/h (110 V/60 Hz) (with 384 W PD device connected)	
	1.3 PERFORMANCE	
	1.3.1 At least 128 Gbps Switching Capacity	
	1.3.2 At least 95.23 Mpps Packet Forwarding Rate	
	1.3.3 At least 16K MAC Address Table	
	1.3.4 At least 9KB Jumbo Frame	
	1.4 SOFTWARE FEATURES	

	1.4.1 Quality of Service having at least:
	  1.4.1.1 8 priority queues
	  1.4.1.2 802.1p CoS/DSCP priority
	  1.4.1.3 Queue scheduling
	    1.4.1.3.1 SP (Strict Priority)
	    1.4.1.3.2 WRR (Weighted Round Robin)
	    1.4.1.3.3 SP+WRR
	  1.4.1.4 • Bandwidth Control
	    1.4.1.4.1 Port/Flow based Rating Limiting
	  1.4.1.5 Smoother Performance
	  1.4.1.6 Action for Flows
	    1.4.1.6.1 Mirror (to supported interface)
	    1.4.1.6.2 Redirect (to supported interface)
	    1.4.1.6.3 Rate Limit
	    1.4.1.6.4 QoS Remark	

	1.4.2 L2 and L2+ Features having at least:
	  1.4.2.1 Link Aggregation
	    1.4.2.1.1 static link aggregation
	    1.4.2.1.2 802.3ad LACP
	    1.4.2.1.3 Up to 8 aggregation groups, containing 8 ports per group
	  1.4.2.2 Spanning Tree Protocol
	    1.4.2.2.1 802.1d STP
	    1.4.2.2.2 802.1w RSTP
	    1.4.2.2.3 802.1s MSTP
	    1.4.2.2.4 STP Security: TC Protect, BPDU Filter, Root Protect
	  1.4.2.3 Loopback Detection
	    1.4.2.3.1 Port based
	    1.4.2.3.2 VLAN based
	  1.4.2.4 Flow Control
	    1.4.2.4.1 802.3x Flow Control
	    1.4.2.4.2 HOL Blocking Prevention
	  1.4.2.5 Mirroring
	    1.4.2.5.1 Port Mirroring
	    1.4.2.5.2 CPU Mirroring
	    1.4.2.5.3 One-to-One
	    1.4.2.5.4 Many-to-One
	    1.4.2.5.5 Tx/Rx/Both	

	1.4.3 L2 Multicast having at least: 1.4.3.1 IGMP Snooping	

1.4.3.1.1 IGMP v1/v2/v3 Snooping
1.4.3.1.2 Fast Leave
1.4.3.1.3 IGMP Snooping Querier
1.4.3.1.4 IGMP Authentication
1.4.3.2 IGMP Authentication
1.4.3.3 MLD Snooping
    1.4.3.3.1 MLD v1/v2 Snooping
    1.4.3.3.2 Fast Leave
    1.4.3.3.3 MLD Snooping Querier
    1.4.3.3.4 Static Group Config
    1.4.3.3.5 Limited IP Multicast
1.4.3.4 MVR
1.4.3.5 Multicast Filtering: 256 profiles and 16 entries per profile	

1.4.4 VLAN having at least:
1.4.4.1 VLAN Group
    1.4.4.1.1 Max 4K VLAN Groups
1.4.4.2 802.1Q Tagged VLAN
1.4.4.3 MAC VLAN: 7 Entries
1.4.4.4 Protocol VLAN: Protocol Template 16, Protocol VLAN 16
1.4.4.5 Private VLAN
1.4.4.6 GVRP
1.4.4.7 VLAN VPN (QinQ)
    1.4.4.7.1 Port-Based QinQ
    1.4.4.7.2 Selective QinQ
1.4.4.8 Voice VLAN	

1.4.5 Access Control List having at least:
1.4.5.1 Time-based ACL
1.4.5.2 MAC ACL
    1.4.5.2.1 Source MAC
    1.4.5.2.2 Destination MAC
    1.4.5.2.3 VLAN ID
    1.4.5.2.4 User Priority
    1.4.5.2.5 Ether Type
1.4.5.3 IP ACL
    1.4.5.3.1 Source IP
    1.4.5.3.2 Destination IP
    1.4.5.3.3 Fragment
    1.4.5.3.4 IP Protocol
    1.4.5.3.5 TCP Flag
    1.4.5.3.6 TCP/UDP Port
    1.4.5.3.7 DSCP/IP TOS
    1.4.5.3.8 User Priority
1.4.5.4 Combined ACL
1.4.5.5 Packet Content ACL
1.4.5.6 IPv6 ACL
1.4.5.7 Policy
    1.4.5.7.1 Mirroring
    1.4.5.7.2 Redirect
    1.4.5.7.3 Rate Limit
    1.4.5.7.4 QoS Remark	

1.4.5.8 ACL apply to Port/VLAN	

1.4.6   Device Security having at least:
  1.4.6.1   IP-MAC-Port Binding
        1.4.6.1.1   512 Entries
        1.4.6.1.2   DHCP Snooping
        1.4.6.1.3   ARP Inspection
        1.4.6.1.4   IPv4 Source Guard: 100 Entries
  1.4.6.2   IPv6-MAC-Port Binding
        1.4.6.2.1   512 Entries
        1.4.6.2.2   DHCPv6 Snooping
        1.4.6.2.3   ND Detection
        1.4.6.2.4   IPv6 Source Guard: 100 Entries
  1.4.6.3   DoS Defend
  1.4.6.4   Static/Dynamic Port Security
        1.4.6.4.1   Up to 64 MAC addresses per port
  1.4.6.5   Broadcast/Multicast/Unicast Storm Control
        1.4.6.5.1   kbps/ratio control mode
  1.4.6.6   802.1X
        1.4.6.6.1   Port base authentication
        1.4.6.6.2   Mac base authentication
        1.4.6.6.3   VLAN Assignment
        1.4.6.6.4   MAB
        1.4.6.6.5   Guest VLAN
        1.4.6.6.6   Support Radius authentication and
                accountability
  1.4.6.7   AAA (including TACACS+)
  1.4.6.8   Port Isolation
  1.4.6.9   Secure web management through HTTPS with
           SSLv3/TLS 1.2
  1.4.6.10 Secure Command Line Interface (CLI) management
           with SSHv1/SSHv2
  1.4.6.11 IP/Port/MAC based access control	

1.4.7   IPv6 having at least:
  1.4.7.1   IPv6 Dual IPv4/IPv6
  1.4.7.2   Multicast Listener Discovery (MLD) Snooping
  1.4.7.3   IPv6 ACL
  1.4.7.4   IPv6 Interface
  1.4.7.5   Static IPv6 Routing
  1.4.7.6   IPv6 neighbor discovery (ND)
  1.4.7.7   Path maximum transmission unit (MTU) discovery
  1.4.7.8   Internet Control Message Protocol (ICMP) version 6
  1.4.7.9   TCPv6/UDPv6
  1.4.7.10 IPv6 applications
        1.4.7.10.1   DHCPv6 Client
        1.4.7.10.2   Ping6
        1.4.7.10.3   Tracert6
        1.4.7.10.4   Telnet (v6)
        1.4.7.10.5   IPv6 SNMP
        1.4.7.10.6   IPv6 SSH
        1.4.7.10.7   IPv6 SSL
        1.4.7.10.8 Http/Https	

1.4.7.10.9 IPv6 TFTP	

1.4.8 L3 Features having at least:
  1.4.8.1   16 IPv4/IPv6 Interfaces
  1.4.8.2   Static Routing
        1.4.8.2.1   48 static routes
  1.4.8.3   Static ARP
        1.4.8.3.1   128 Static Entries
  1.4.8.4   Proxy ARP
  1.4.8.5   Gratuitous ARP
  1.4.8.6   DHCP Server
  1.4.8.7   DHCP Relay
        1.4.8.7.1   DHCP Interface Relay
        1.4.8.7.2   DHCP VLAN Relay
  1.4.8.8 DHCP L2 Relay	

1.4.9   Device Management having at least:
  1.4.9.1   Web-based GUI
  1.4.9.2   Command Line Interface (CLI) through the console
        port, telnet
  1.4.9.3   SNMP v1/v2c/v3
        1.4.9.3.1   Trap/Inform
        1.4.9.3.2   RMON (1,2,3,9 groups)
  1.4.9.4   SDM Template
  1.4.9.5   DHCP/BOOTP Client
  1.4.9.6   802.1ab LLDP/LLDP-MED
  1.4.9.7   DHCP AutoInstall
  1.4.9.8   Dual Image, Dual Configuration
  1.4.9.9   CPU Monitoring
  1.4.9.10 Cable Diagnostics
  1.4.9.11 EEE
  1.4.9.12 Password Recovery
  1.4.9.13 SNTP
  1.4.9.14 System Log	

1.4.10   Advanced Features having at least:
  1.4.10.1 Support **Network Hardware Controller (Item 3 of this Technical Specifications)**, Software Controller, Cloud-Based Controller
  1.4.10.2 Automatic Device Discovery
  1.4.10.3 Batch Configuration
  1.4.10.4 Batch Firmware Upgrading
  1.4.10.5 Intelligent Network Monitoring
  1.4.10.6 Abnormal Event Warnings
  1.4.10.7 Unified Configuration
  1.4.10.8 Reboot Schedule
  1.4.10.9 ZTP (Zero-Touch Provisioning)	

1.4.11   Management Information Base (MIBs) having at least:
  1.4.11.1   MIB II (RFC1213)
  1.4.11.2   Interface MIB (RFC2233)
  1.4.11.3   Ethernet Interface MIB (RFC1643)
  1.4.11.4   Bridge MIB (RFC1493)
  1.4.11.5   P/Q-Bridge MIB (RFC2674)
  1.4.11.6 RMON MIB (RFC2819)	

	1.4.11.7 RMON2 MIB (RFC2021) 1.4.11.8 Radius Accounting Client MIB (RFC2620) 1.4.11.9 Radius Authentication Client MIB (RFC2618) 1.4.11.10 Remote Ping, Traceroute MIB (RFC2925) 1.4.11.11 Support TP-Link private MIB	
	1.5 OTHERS	
	1.5.1 Certification: CE, FCC, RoHS	
	1.5.2 Package Contents having: 1.5.2.1 The Network Switch 1.5.2.2 Power Cord 1.5.2.3 Quick Installation Guide 1.5.2.4 Rackmount Kit 1.5.2.5 Rubber Feet	
	1.5.3 Environment having: 1.5.3.1 Operating Temperature: 0–45 ℃ (32–113 ℉) 1.5.3.2 Storage Temperature: -40–70 ℃ (-40–158 ℉) 1.5.3.3 Operating Humidity: 10–90% RH non-condensing 1.5.3.4 Storage Humidity: 5–90% RH non-condensing	
2.	**POE WIRELESS AP/ WIFI MESH**	
	2.1 HARDWARE FEATURES	
	2.1.1 Interface: 1× 2.5 Gbps Ethernet Port (supports IEEE802.3at PoE)	
	2.1.2 Button: Reset	
	2.1.3 Power Supply: 802.3at PoE or 12 V DC	
	2.1.4 Power Consumption: 21.5 W	
	2.1.5 Dimensions (W x D x H): 9.6 × 9.6 × 2.5 in. (243 × 243 × 64 mm)	
	2.1.6 Antenna Type at least having: 2.1.6.1 2.4 GHz: 4× 4 dBi 2.1.6.2 5 GHz: 4× 5 dBi	
	2.1.7 Mounting: Ceiling or wall mount (kits included)	
	2.2 WIRELESS FEATURES	
	2.2.1 Wireless Standards: IEEE 802.11ax/ac/n/g/b/a	
	2.2.2 Frequency: 2.2.2.1 2.4 GHz 2.2.2.2 5 GHz	
	2.2.3 Signal Rate having: 2.2.3.1 5 GHz: Up to 2402 Mbps 2.2.3.2 2.4 GHz: Up to 1148 Mbps	
	2.2.4 Wireless Functions, at least having: 2.2.4.1 1024-QAM 2.2.4.2 4× Longer OFDM Symbol 2.2.4.3 OFDMA 2.2.4.4 Multiple SSIDs (Up to 16 SSIDs, 8 for each band) 2.2.4.5 Enable/Disable Wireless Radio	

	2.2.4.6 Automatic Channel Assignment 2.2.4.7 Transmit Power Control (Adjust Transmit Power on dBm) 2.2.4.8 QoS (WMM) 2.2.4.9 MU-MIMO 2.2.4.10 Seamless Roaming 2.2.4.11 Omada Mesh 2.2.4.12 Band Steering 2.2.4.13 Load Balance 2.2.4.14 Airtime Fairness 2.2.4.15 Beamforming 2.2.4.16 Rate Limit 2.2.4.17 Reboot Schedule 2.2.4.18 Wireless Schedule 2.2.4.19 Wireless Statistics based on SSID/AP/Client	
	2.2.5 Wireless Security, at least having: 2.2.5.1 Captive Portal Authentication 2.2.5.2 Access Control 2.2.5.3 Wireless Mac Address Filtering 2.2.5.4 Wireless Isolation Between Clients 2.2.5.5 SSID to VLAN Mapping 2.2.5.6 Rogue AP Detection 2.2.5.7 802.1X Support 2.2.5.8 WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise	
	2.2.6 Transmission Power, at least having: 2.2.6.1 < 26 dBm (2.4 GHz) 2.2.6.2 < 26 dBm (5 GHz)	
	2.3 MANAGEMENT	
	2.3.1 Centralized Management 2.3.1.1 Can be controlled using the **Network Hardware Controller (Item 3 of this Technical Specifications)** 2.3.1.2 With Software Controller that support **Item 2 and 3 of this Technical Specifications**	
	2.3.2 With Cloud Access	
	2.3.3 With Email Alerts	
	2.3.4 With LED ON/OFF Control	
	2.3.5 With Management MAC Access Control	
	2.3.6 SNMP: v1, v2c, v3	
	2.3.7 System Logging Local/Remote Syslog: Local/Remote Syslog	
	2.3.8 With SSH	
	2.3.9 Web-based Management: HTTP/HTTPS	
	2.3.10 With L3 Management	
	2.3.11 With Multi-site Management	

	2.3.12 With Management VLAN	
	2.4 OTHERS	
	2.4.1 Certification: CE, FCC, RoHS	
	2.4.2 Package Contents having: 2.4.2.1 The Wireless Access Point Device 2.4.2.2 Power Adapter 2.4.2.3 Ceiling/Wall Mounting Kits 2.4.2.4 Installation Guide	
	2.4.3 Environment: 2.4.3.1 Operating Temperature: 0–40 ℃ (32–104 ℉) 2.4.3.2 Storage Temperature: -40–70 ℃ (-40–158 ℉) 2.4.3.3 Operating Humidity: 10–90% RH non-condensing 2.4.3.4 Storage Humidity: 5–90% RH non-condensing	
3.	**NETWORK HARDWARE CONTROLLER**	
	3.1 HARDWARE FEATURES	
	3.1.1 Interface, at least having: 3.1.1.1 2× 10/100/1000 Mbps Ethernet Ports 3.1.1.2 1× USB 3.0 Port	
	3.1.2 Power Supply: 100–240 V~50/60 Hz, 0.6 A	
	3.1.3 Dimensions: 11.6 × 7.1 × 1.7 in (294 × 180 × 44 mm)	
	3.2 MANAGEMENT	
	3.2.1 Centralized Management 3.2.1.1 Up to 500 Omada access points 3.2.1.2 Up to 15,000 clients	
	3.2.2 With Cloud Access	
	3.2.3 With L3 Management	
	3.2.4 With Multi-site Management	
	3.2.5 Management Features 3.2.5.1 Automatic Device Discovery 3.2.5.2 Batch Configuration 3.2.5.3 Batch Firmware Upgrading 3.2.5.4 Intelligent Network Monitoring 3.2.5.5 Abnormal Event Warnings 3.2.5.6 Unified Configuration 3.2.5.7 Reboot Schedule 3.2.5.8 Captive Portal Configuration	
	3.3 OTHERS	
	3.3.1 Certification: CE, FCC, RoHS	
	3.3.2 Package Contents: 3.3.2.1 The Hardware Controller 3.3.2.2 Quick Installation Guide 3.3.2.3 Ethernet Cable	

	3.3.2.4 Power Cord 3.3.2.5 Rackmount Kit	
	3.3.3 System Requirements: Microsoft® Windows®10, 8, 7, Vista™, XP or MAC® OS, NetWare®, UNIX® or Linux	
	3.3.4 Environment: 3.3.4.1 Operating Temperature: 0–50 ℃ (32–122 ℉) 3.3.4.2 Storage Temperature: -40–70 ℃ (-40–158 ℉) 3.3.4.3 Operating Humidity: 10–90% RH non-condensing 3.3.4.4 Storage Humidity: 5–90% RH non-condensing	
4.	**CAT6A NETWORK CABLE**	
	4.1 AMP CAT6A FTP 4PRS LSZH (305M /RL)	
	BUNDLES FOR ITEMS 1, 2, 3, AND 4	
	● Crimping/Termination and Testing of **336** pcs. (1-Feet) RJ45 Ethernet Patch Cables using Item No. 4 and the PFDA existing Pass-Through RJ-45 Connectors ● Installation, Termination, and Testing of Item 1, 2, and 3. ● Termination existing CAT6 cable to the existing patch panel (in coordination with IT Division of PFDA)	
5.	**PROVISION OF THIRTY-SIX (36) ALL-IN-ONE (AIO) DESKTOP COMPUTERS**	
	MINIMUM TECHNICAL SPECIFICATION	
	5.1 Type 5.1.1 Branded and Brand New	
	5.2 Processor 5.2.1 At least i7 5.2.2 At least 11th Generation 5.2.3 Up to 4.7 GHz or higher	
	5.3 Operating System 5.3.1 At least Windows 10 (Home or Higher version)	
	5.4 Graphics (Dedicated) 5.4.1 At least NVIDIA GeForce MX330 5.4.2 At least 2GB GDDR5 graphics memory	
	5.5 Display 5.5.1 At least 23.8-inch FHD (1920 x 1080) 5.5.2 Anti-Glare Narrow Border Infinity Non-Touch Display	
	5.6 Memory 5.6.1 At least 8GB, 2666MHz, DDR4 5.6.2 1x8GB 5.6.3 With extra slot for upgrade	
	5.7 Storage 5.7.1 At least 256GB M.2 PCIe NVMe Solid State Drive (Boot) 5.7.2 With at least 1TB 5400 rpm 2.5" SATA Hard Drive (Storage)	
	5.8 Ports 5.8.1 1 Rear USB 2.0 Type A	

	5.8.2 3 USB 3.1 Gen 1 Type A 5.8.3 1 USB 3.1 Gen 2 Type-C 5.8.4 1 RJ-45 5.8.5 1 Microphone/Headset Jack 5.8.6 1 DC power 5.8.7 1 HDMI-In 5.8.8 1.HDMI-out (1.4) 5.8.9 Speaker 5.8.10 Power 5.8.11 Input mode 5.8.12 Power on/Wake from USB KBMS from S3/Modern Standby, S4, S5	

	5.9 Dimensions
	   5.9.1 Black Bipod: 412.8 mm x 539.6 mm x 41.8 mm
	   5.9.2 Open Pop-Up Camera Height: 27.36mm x Starting at 5.2 kg (11.5 lbs.), including stand	

	5.10 Accessories/Bundles per Unit
	   5.10.1 AC adapter and power cord
	   5.10.2 Wireless Keyboard and Mouse
	   5.10.3 Microsoft Office (Home or Higher version, Lifetime License)
	   5.10.4 UPS 650VA/325 WATTS	

6.	**PROVISION OF FIFTEEN (15) LAPTOP**	
	MINIMUM TECHNICAL SPECIFICATION	
	6.1 Type 6.1.1 Branded and Brand New	
	6.2 Processor 6.2.1 At least Ryzen 7 5800H	
	6.3 Operating System 6.3.1 At least Windows 10 (Home or latest version)	

	6.4 Graphics
	   6.4.1 At least RX5500M
	   6.4.2 At least 4GB GDDR6	

	6.5 Display
	   6.5.1 At least 15.6in FHD (1920*1080)
	   6.5.2 At least 144Hz IPS-Level	

	6.6 Memory 6.6.1 At least 8GB DDR4 (3200MHz)	
	6.7 Storage 6.7.1 512GB NVMe PCIe Gen3x4 SSD	
	6.8 Wi-Fi Connectivity 6.8.1 Wi-Fi 6E RZ608	
	6.9 Camera 6.9.1 HD Type (30fps@720p)	
	6.10 Keyboard 6.10.1 Single backlight KB(Red)	

	6.11 Interface Port
	    6.11.1 1x Type-A USB2.0
	    6.11.2 1x RJ45
	    6.11.3 1x (4K @ 60Hz) HDMI
	    6.11.4 1x Type-C USB3.2 Gen1
	    6.11.5 2x Type-A USB3.2 Gen1		

	6.12 Accessories/Bundles per Unit
	    6.12.1 AC adapter and power cord
	    6.12.2 Battery: 3cell, 52Whr
	    6.12.3 one (1) Carrying Bag (Backpack)
	    6.12.4 one (1) Wired USB Mouse
	    6.12.5 Provision of adapter for the missing interface port(s) and must be compatible to the ports available in the laptop.		

7.	**PROVISION FOR FIFTY (50) MICROSOFT WINDOWS 11 PRO FOR WORKSTATION**		
	7.1 One-Time-Purchase 7.2 Lifetime License (Product Key) 7.3 Transferrable 7.4 Licensed to PFDA		
8.	**PROVISION FOR SEVENTY (70) MICROSOFT OFFICE PROFESSIONAL PLUS 2019**		
	8.1 One-Time-Purchase 8.2 Lifetime License (Product Key) 8.3 Transferrable 8.4 Licensed to PFDA		
9.	**PROVISION FOR TEN (10) WINDOWS SERVER 2019**		
	9.1 Data Center 9.2 Up to 24 Cores 9.3 One-Time-Purchase 9.4 Lifetime License 9.5 Retail License 9.6 Transferrable 9.7 Licensed to PFDA		
10.	**PROVISION FOR TEN (10) MICROSOFT SQL SERVER 2019**		
	10.1 Enterprise Version 10.2 Unlimited Cores and CALs 10.3 One-Time-Purchase 10.4 Lifetime License (Product Key) 10.5 Transferrable 10.6 Licensed to PFDA		
11.	**PROVISION FOR ONE (1) WEB/DATABASE SERVER**		
	Processor	:	at least 2 x Intel Xeon-Gold 6230 (2.1GHz) Processor Kit
	Chassis	:	8 SFF

	Memory	:	at least 4 x 32GB (128GB) Dual Rank DDR4-2933 CAS-21-21-21 Registered Smart Memory Kit		
	Network	:	at least 4 x Ethernet port 10Gb		
	Storage	:	at least 2 x 3.84TB SATA 6G Mixed Use SFF SC Multi-Vendor SSD		
	Optical Drive	:	Optional via Universal Media Bay		
	Power Supply	:	at least 2 x 1600W		
	Fans	:	at least 6 Hot Plug Fans (with N+1 redundancy)		
	Form Factor	:	2U Rack		
	Rail Kit	:	Easy install rails with CMA		
	Warranty	:	at least 3-year parts, 3-year labor, 3-year onsite support with next business day response.		
	Bundle	:	with Pre-installed Microsoft Windows Server 2019 Datacenter with Keyboard Video Mouse (KVM)		
12	**PROVISION FOR ONE (1) FILE STORAGE SERVER**				
	Processor	:	at least Intel Xeon 4214R (12-Core, 2.4 GHz, 100W)		
	Chassis	:	8 SFF		
	Memory	:	at least 32 GB RDIMM 2R 2933 MT/s (1x 32 GB)		
	Network	:	at least 4 x Ethernet port 1Gb		
	Storage	:	at least 6 X 1.92TB SATA 6G Mixed Use SFF SC Multi-Vendor SSD at least 2 X 3.84TB SATA 6G Mixed Use SFF SC Multi-Vendor SSD		
	Optical Drive	:	at least DVD RW		
	Power Supply	:	at least 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		

	Form Factor	:	at least 1U Rack		
	Rail Kit	:	SFF Easy Install w/o CMA		
	Warranty	:	at least 3-year parts, 3-year labor, 3-year onsite support with next business day response.		

13.	**CCTV SURVEILLANCE SYSTEM**			

13.1 5MP Bullet Type Camera POE (10 units)
    (Minimum Specifications)

13.1.1 Casing

Image Sensor	:	1/2.7"5Megapixel progressive CMOS	
Max. Resolution	:	2592 (H) × 1944 (V)	
ROM	:	128 MB	
RAM	:	512 MB	
Scanning System	:	Progressive	
Electronic Shutter Speed	:	Auto/Manual 1/3 s–1/100,000 s	
Min. Illumination	:	0.003 Lux@F1.0	
S/N Ratio	:	> 56 dB	
Illumination Distance	:	30 m (98.4 ft) (Warm light)	
Illuminator On/Off Control	:	Auto/Manual	
Illuminator Number	:	1 (Warm light)	
Pan/Tilt/ Rotation Range	:	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°	

13.1.2 Lens

Lens Type	:	Fixed-focal	
Mount Type	:	M12	
Focal Length	:	2.8 mm; 3.6 mm	

	Max. Aperture	:	F1.0	
	Field of View	:	2.8 mm: Horizontal 98° × Vertical 71° × Diagonal 129° 3.6 mm: Horizontal 77° × Vertical 56° × Diagonal 101°	
	Iris Type	:	Fixed	
	Close Focus Distance	:	2.8 mm: 1.2 m (3.9 ft) 3.6 mm: 2.4 m (7.9 ft)	

	DORI Distance	:	Lens:
			  2.8 mm - 3.6 mm
			Detect:
			  56.0 m (183.7 ft) - 56 m (262.5 ft)
			Observe:
			  22.4 m (73.5 ft) - 32.0 m (105.0 ft)
			Recognize:
			  11.2 m (36.7 ft) - 16.0 m (52.5 ft)
			Identify:
			  5.6 m (18.4 ft) - 8.0 m (26.3 ft)	

	13.1.3 Professional, Intelligent			
	IVS (Perimeter Protection)	:	Tripwire: intrusion (support the classification and accurate detection of vehicle and human)	
	Intelligent Search	:	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.	
	13.1.4 Video			
	Video Compression	:	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	
	Smart Codec	:	Smart H.265+/ Smart H.264+	
	Video Frame Rate	:	Mainstream: 2592 × 1944 @1–20 fps 2688 × 1520 @1–25/30 fps Sub stream: 704 × 576 @1–25 fps/704 × 480 @1–30 fps Third stream: 1280 × 720@1–25/30 fps	
	Stream Capability	:	3 streams	
	Resolution	:	5M (2592 × 1944); 4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720);	

			D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
	Bit Rate Control	:	CBR/VBR	
	Video Bit Rate	:	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps	
	Day/Night	:	Color/B/W	
	BLC	:	Yes	
	HLC	:	Yes	
	WDR	:	120 dB	
	Scene Self-adaptation (SSA)	:	Yes	
	White Balance	:	Auto/natural/street lamp/outdoor/manual/regional custom	
	Gain Control	:	Auto/Manual	
	Noise Reduction	:	3D DNR	
	Motion Detection	:	OFF/ON (4 areas, rectangular)	
	Region of Interest (RoI)	:	Yes (4 areas)	
	Smart Illumination	:	Yes	
	Image Rotation	:	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)	
	Mirror	:	Yes	
	Privacy Masking	:	4 areas	
	13.1.5 Audio			
	Built-in MIC	:	Yes	
	Audio Compression	:	G.711a; G.711Mu; G726	
	13.1.6 Alarm			

	Alarm Event	:	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; SMD	
	13.1.7 Network			
	Network	:	RJ-45 (10/100 Base-T)	
	SDK and API	:	Yes	
	Protocol	:	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP	
	Cyber Security	:	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
	Interoperability	:	ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Milestone; Genetec	
	User/Host	:	20 (Total bandwidth: 64 M)	
	Storage	:	FTP; SFTP; Micro SD card (support max. 256 G); NAS	
	Browser	:	IE: IE8, IE9, IE11 Chrome Firefox	
	Management Software	:	Smart PSS; DSS; DMSS	
	Mobile Phone	:	IOS; Android	
	13.1.8 Certification			
	Certification	:	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07	
	13.1.9 Port			

	Audio Input	:	1 channel (RCA port)		
	Audio Output	:	1 channel (RCA port)		
	Alarm Input	:	1 channel in: 5mA 3V–5V DC		
	Alarm Output	:	1 channel out: 300mA 12V DC		
	13.1.10 Power				
	Power Supply Power Consumption	: :	12V DC/PoE < 8.4W		
	13.1.11 Environment				
	Operating Conditions	:	-40°C to +60°C (-40°F to +140°F)/less than 95%		
	Storage Conditions	:	-40°C to +60°C (-40°F to +140°F)		
	Ingress Protection	:	IP67		
	13.1.12 Structure				
	Casing	:	Metal		
	Dimensions	:	192.7 mm × 70.5 mm × 66.4 mm (7.6" × 2.8"× 2.6") (L × W × H)		
	Net Weight	:	590 g (1.3 lb)		
	Gross Weight	:	780 g (1.7 lb)		
	13.2 5MP Dome Type Camera POE (30 units) (Minimum Specifications)				
	13.2.1 Camera				
	Image Sensor	:	1/2.7"5Megapixel progressive CMOS		
	Max. Resolution	:	2592 (H) × 1944 (V)		
	ROM	:	128 MB		
	RAM	:	512 MB		
	Scanning System	:	Progressive		
	Electronic Shutter Speed	:	Auto/Manual 1/3 s–1/100,000 s		
		:	0.003 Lux@F1.0		

	Min. Illumination	:	> 56 dB
	S/N Ratio	:	30 m (98.4 ft) (Warm light)
	Illumination Distance	:	Auto/Manual
	Illuminator On/Off Control	:	2 (Warm light)
	Illuminator Number	:	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°
	Pan/Tilt/Rotation Range		

13.2.2 Lens

	Lens Type	:	Fixed-focal
	Mount Type	:	M12
	Focal Length	:	2.8 mm; 3.6 mm
	Max. Aperture	:	F1.0
	Field of View	:	2.8 mm: Horizontal 98° × Vertical 71° × Diagonal 129° 3.6 mm: Horizontal 77° × Vertical 56° × Diagonal 101°
	Iris Type	:	Fixed
	Close Focus Distance	:	2.8 mm: 1.2 m (3.9 ft) 3.6 mm: 2.4 m (7.9 ft)
	DORI Distance	:	Lens: 2.8 mm - 3.6 mm Detect: 56m (183.7 ft) - 80.0 m (262.5 ft) Observe: 22.4 m (73.5 ft) - 32.0 m (105.0 ft) Recognize: 11.2 m (36.7 ft) - 16.0 m (52.5 ft) Identify: 5.6 m (18.4 ft) - 8.0 m (26.3 ft)

13.2.3 Professional, Intelligent

	IVS (Perimeter Protection)	:	Tripwire: intrusion (support the classification and accurate detection of vehicle and human)
		:	

	Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.	
	13.2.4 Video			
	Video Compression	:	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	
	Smart Codec	:	Smart H.265+/ Smart H.264+	
	Video Frame Rate	:	Main stream: 2592 × 1944 @1–20 fps 2688 × 1520 @1–25/30 fps Sub stream: 704 × 576 @1–25 fps/704 × 480 @1–30 fps Third stream: 1280 × 720@1–25/30 fps	
	Stream Capability	:	3 streams	
	Resolution	:	5M (2592 × 1944); 4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
	Bit Rate Control	:	CBR/VBR	
	Video Bit Rate	:	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps	
	Day/Night	:	Color/B/W	
	BLC	:	Yes	
	HLC	:	Yes	
	WDR	:	120 dB	
	Scene Self-adaptation (SSA)	:	Yes	
	White Balance	:	Auto/natural/street lamp/outdoor/manual/regional custom	
	Gain Control	:	Auto/Manual	
	Noise Reduction	:	3D DNR	
	Motion Detection	:	OFF/ON (4 areas, rectangular)	

	Region of Interest (RoI)	:	Yes (4 areas)	
	Smart Illumination	:	Yes	
	Image Rotation	:	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)	
	Mirror	:	Yes	
	Privacy Masking	:	4 areas	
	13.2.5 Audio			
	Built-in MIC	:	Yes	
	Audio Compression	:	G.711a; G.711Mu; G726	
	13.2.6 Alarm			
	Alarm Event	:	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; SMD	
	13.2.7 Network			
	Network	:	RJ-45 (10/100 Base-T)	
	SDK and API	:	Yes	
	Protocol	:	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP	
	Cyber Security	:	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
	Interoperability	:	ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Milestone; Genetec	

User/Host	:	20 (Total bandwidth: 64 M)	
Storage	:	FTP; SFTP; Micro SD card (support max. 256 G); NAS	
Browser	:	IE: IE8, IE9, IE11 Chrome Firefox	
Management Software	:	Smart PSS; DSS; DMSS	
Mobile Phone	:	IOS; Android	
13.2.8 Certification				
Certification	:	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07	
13.2.9 Power				
Power Supply	:	12V DC/PoE	
Power Consumption	:	< 8.4W	
13.2.10 Environment				
Operating Conditions	:	-40°C to +60°C (-40°F to +140°F)/ less than 95%	
Storage Conditions	:	-40°C to +60°C (-40°F to +140°F)	
Ingress Protection	:	IP67	
13.2.11 Structure				
Casing	:	Inner core: Metal Cover: Metal Decoration ring: Plastic	
Dimensions	:	99.1 mm × Φ121.9 mm (3.9" × Φ4.8")	
Net Weight	:	480 g (1.1 lb)	
Gross Weight	:	660 g (1.5 lb)	

	13.3 64 Channel Network Video Recorder (NVR) non-PoE (1 unit) (Minimum Specifications)			
	13.3.1 System			
	Main Processor	:	Multi-core embedded processor	
	Operating System	:	Embedded LINUX	
	13.3.2 Perimeter Protection			
	Performance	:	12 channel, 10 IVS rules for each channel	
	Object classification	:	Human/Vehicle secondary recognition for tripwire and intrusion	
	AI Search	:	Search by target classification (Human, Vehicle)	
	13.3.3 Face Recognition			
	Performance	:	Max 16 face pictures/sec processing (modeling and comparing) 4 channel video stream face recognition/16 channel picture stream face recognition (with FD camera)	
	Stranger Mode	:	Detect strangers' faces (not in device's face database).Similarity threshold can be set manually.	
	AI Search	:	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.	
	Database Management	:	Up to 20 face databases with 200,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.	
	Database Application	:	Each database can be applied to video channels independently.	
	Trigger Events	:	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.	
	13.3.4 Metadata			
	Face	:	Gender, age, glasses, beard, mouth mask, expression.	
	Vehicle	:	Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.	

	Human Body	:	Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.	
	Non-motor Vehicle	:	Type, color, number of passengers, helmet.	
	AI Search	:	Support search target video by metadata.	
	13.3.5 Audio and Video			
	IP Camera Input	:	64 Channel	
	Two-way Talk	:	1 Channel Input, 1 Channel Output, RCA	
	13.3.6 Display			
	Interface	:	2 HDMI, 1 VGA	
	Resolution	:	HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720	
	Decoding Capability	:	4-ch@8MP (30fps), 16-ch@1080P (30fps)	
	Multi-screen Display	:	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16	
	13.3.7 Recording			
	Bandwidth	:	320 Mbps (160 Mbps when AI function enabled)	
	Compression	:	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	
	Resolution	:	24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.	
	Record Mode	:	Manual, Schedule (Continuous, MD (Motion Detection), Alarm, IVS)	
	Record Interval	:	1–120 min (default: 60 min), Pre-record: 1–30 sec, Post-record: 10–300 sec	
	Raid Support	:	Raid0,Raid1,Raid5,Raid10	
	13.3.8 Video Detection and Alarm			
	Trigger Events	:	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips	
	Video Detection	:	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Scene Change	

	Alarm input	:	16 Channel	
	Relay Output	:	6 Channel	
	13.3.9 Playback and Backup			
	Sync Playback	:	1/4/9/16	
	Search Mode	:	Time/Date, Alarm, MD and Exact Search (accurate to second)	
	Backup Mode	:	USB Device/Network	
	13.3.10 Third-party Support			
	Third-party Support	:	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvif, Canon and more	
	13.3.11 Network			
	Interface	:	2 RJ-45 Ports (10/100/1000 Mbps)	
	PoE	:	N/A	
	Network Protocol	:	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P	
	Max. User Access	:	128 users	
	Mobile App	:	iPhone, iPad, Android	
	Interoperability	:	ONVIF 2.4, SDK, CGI	
	13.3.12 Storage			
	Internal HDD	:	8 SATA III ports up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature	
	eSATA	:	1 eSATA	
	13.3.13 Auxiliary Interface			
	USB	:	4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)	
	RS232	:	1 Port, for PC Communication and Keyboard	
	RS485	:	1 Port, for PTZ Control	
	13.3.14 Electrical			
	Power Supply	:	Single, AC100V–240V, 50–60 Hz	

Power Consumption	:	NVR: <16.1W (Without HDD)		
Fan	:	Smart fan, automatically adjust running speed		

13.3.15 Environmental		
Operating Conditions	:	-10°C to +55°C (+14°F to +131°F), 86–106kpa
Storage Conditions	:	0°C to +40°C (+32°F to +104°F), 30–85% RH

13.3.16 Construction		
Dimensions	:	2U, 439.7 mm × 451.0 mm × 94.9 mm (17.31" × 17.75" × 3.73")
Net Weight	:	6.70 kg (14.8 lb) (without HDD)
Gross Weight	:	9.30 kg (20.5 lb) (without HDD)

13.3.17 Certifications		
CE	:	EN55032, EN55024, EN50130-4, EN62368-1
FCC	:	Part 15 Subpart B, ANSI C63.4-2014

13.4 Hard Disk Drive (8 units)		
(Minimum Specifications)		
Storage Capacity	:	8 Terabyte (TB)
Built	:	For high-definition security system
Compatibility	:	Compatible and must work with **Item 13.3 Network Video Recorder (NVR)**
		Windows and Mac compatible

13.5 65" UHD LED Monitor (3 units)		
(Minimum Specifications)		
13.5.1 Display		
Screen Size	:	64.5"
Aspect Ratio	:	16:9
Resolution	:	3840×2160 (UHD)
Backlight	:	LED
Brightness/Luminance	:	400cd/m^2

	Contrast Ratio	:	1200:01:00	
	Display Color	:	1.07B(10bit)	
	Viewing Angle(H/V)	:	178°(H)/178°(V)	
	Response time	:	8ms	
	Refresh Rate	:	60Hz	
	13.5.2 Signals			
	Input	:	VGA(D-Sub)×1, HDMI×1, USB multimedia×1, Audio in×1, RS-232×1, OPS×1	
	Output	:	RS-232×1, Audio out×1 Speaker 8Wx2	
	13.5.3 General			
	Power Supply	:	AC100~240V(±10%), 50/60 Hz, 3.5A	
	Consumption (Standard)	:	170W	
	Consumption (Standby)	:	≤0.5W	
	Type	:	Internal	
	Net Weight	:	28.5kg (62.8lb)	
	Gross Weight	:	40kg (88.2lb)	
	Bezel Width	:	23.1mm (U/L/R/B)	
	VESA	:	600×400mm (23.6"×15.7")	
	Dimension without base (W×H×D)	:	1476.7×851.7×79.8mm (58.1"×33.5"×3.1")	
	Package(W×H×D)	:	1660mm×1045mm×245mm (65.4"x41.1"x9.6")	
	Work Environment	:	Temperature 0℃~40℃ (32°F~104°F) Humidity 20%~85%	

	13.5.4 Accessory			
	Standard	:	HDMI cable, Power cable, Remote control, Hanging bracket	
	Optional	:	Pedestal	
	13.5.5 Certification			
	Certifications	:	CE/FCC	
	13.5.6 Bundle			
	Additional HDMI	:	3 pcs.	
14.	**WARRANTIES**			

	14.1 **For Items Number 1, 2, 3, 5, 6, and 13**
	   14.1.1 Shall be covered by one (1) year warranty, which include solution of problems encountered and labor onsite at no extra cost to the PFDA. The warranty period herein referred to shall be reckoned from the date of the PFDA's issuance of the Certificate of Completion.
	   14.1.2 At least seven (7) days outright Replacement			

	14.2 It warrants to the PFDA, in an unconditional, unqualified, absolute, full and direct manner, the laptops against incompatibilities or any defect, hidden, inherent or otherwise, which would render them unfit for the use for which it is intended, or which would diminish the fitness of its use to the extent that, had the PFDA been aware thereof, it would not have acquired the same. It also warrants to the PFDA, in an unconditional, unqualified, absolute, full and direct manner, that the laptops shall be free from any defects arising from poor design/workmanship, may develop during the normal use of the same.			

	14.3 It warrants that, unless authorized in writing by the PFDA, any software, algorithm, or code associated with the software provided to the PFDA shall, regardless, if pre-existing or developed for the PFDA shall:
	
	   14.3.1 Contains no code and/or services, catering for unauthorized functionality, e.g, malware, backdoor, unauthorized remote access to or from the PFDA's network.
	   14.3.2 Contains no key, node lock, time-out, or other functions, whether implemented by electronic, mechanical, or other means, that restricts or may restrict the PFDA's use or access to any programs or data developed relative to the project.			

_____   _____   _____
                          Signature Over Printed Name
Name of Company   Of Authorized Representative   Date

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Section VIII. Required Forms

BID FORM

Date: _____

Bid Reference No.: _____

To: *Philippine Fisheries Development Authority*
   3/F PCA Annex Bldg. Elliptical Rd., Diliman Quezon City

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: _____

PRICE SCHEDULE 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: _____

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: _____

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION

To: *Philippine Fisheries Development Authority*
3/F PCA Annex Bldg. Elliptical Rd., Diliman Quezon City

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]

CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:

    i.   Philippine Bidding Documents (PBDs);
          a. Schedule of Requirements;
          b. Technical Specifications;
          c. General and Special Conditions of Contract; and
          d. Supplemental or Bid Bulletins, if any
    ii.   Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

          Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

    iii. Performance Security;

    iv.   Notice of Award of Contract; and the Bidder's conforme thereto; and

    v.   Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

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

[Insert Name and Signature]   *[Insert Name and Signature]*

[Insert Signatory's Legal Capacity]   *[Insert Signatory's Legal Capacity]*
      for: *for:*
   [Insert Procuring Entity]

                         [Insert Name of Supplier]

<u>Acknowledgment</u>
[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.

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[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]

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PERFORMANCE SECURING DECLARATION (REVISED)

REPUBLIC   OF   THE   PHILIPPINES)
CITY OF _____) S.S.

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents] To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.

2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;

3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:

   a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
      i. Procuring Entity has no claims filed against the contract awardee;
      ii.   It has no claims for labor and materials filed against the contractor; and iii.   Other terms of the contract; or

   b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

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

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

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

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I.	**TECHNICAL COMPONENT ENVELOPE**

<div align="center">

Class "A" Documents

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Legal Documents

☐	(a)	Valid PhilGEPS Certificate of Registration and membership;
☐	(b)	Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
☐	(c)	Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
☐	(d)	Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐	(f)	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;
☐	(g)	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;
☐	(h)	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;
☐	(i)	Conformity with the Schedule of Requirements, as enumerated and specified in Section VI of the Bidding Documents;
☐	(j)	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.
☐	(k)	Statement of compliance with the Technical Specifications, as enumerated and specified in Section VII of the Bidding Documents.

Financial Documents

☐	(l)	The Supplier's audited financial statements for CY 2020 and 2021, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**

☐	(m) 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
☐	(n) 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)
☐	(o) *[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.
☐	(p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

II. FINANCIAL COMPONENT ENVELOPE	
☐	(a) Bid Form
☐	(b) Bid Price Schedule