PHILIPPINE BIDDING DOCUMENTS

SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF IT NETWORK INFRASTRUCTURE AT CAAP VARIOUS AIRPORTS INCLUDING 1-YEAR SUBSCRIPTION OF INTERNET DEDICATED ACCESS

Bid No. 23-048-10 BRAVO

Government of the Republic of the Philippines

Sixth Edition
July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.

b. Specific details, such as the "*name of the Procuring Entity*" and "*address for bid submission*," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.

c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

d.   The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.

e.   Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.

f.   For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

Table of Contents

Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;

b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;

c. The deadline for the submission and receipt of bids; and

d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.

BAGONG PILIPINAS

Supply, Delivery, Installation and Commissioning of IT
Network Infrastructure at CAAP Various Airports
including 1-Year Subscription of Internet Dedicated Access

Bid No. 23-048-10 BRAVO

1. The CIVIL AVIATION AUTHORITY OF THE PHILIPPINES (CAAP), through the CAAP Corporate Budget CY2023 intends to apply the sum of **ONE HUNDRED NINETY-FIVE MILLION PESOS (Php 195,000,000.00)** being the ABC to payments under the contract for the **Supply, Delivery, Installation and Commissioning of IT Network Infrastructure at CAAP Various Airports including 1-Year Subscription of Internet Dedicated Access.** Bids received in excess of the ABC shall be automatically rejected at the bid opening.

2. The CIVIL AVIATION AUTHORITY OF THE PHILIPPINES now invites bids for the above Procurement Project. Delivery of the Goods is required by **Three Hundred Sixty Five (365) Calendar Days**. Bidders should have completed, within the last five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

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

4. 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.

5. Prospective Bidders may obtain further information from CAAP Bids and Awards Committee - Bravo and inspect the Bidding Documents at the address given below during Office Hours from 8AM to 5PM Philippine Time.

6. A complete set of Bidding Documents may be acquired by interested Bidders on **20 October 2023 until the deadline of submission of bid** from the given address and upon payment of the applicable fee for the Bidding Documents pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php 56,000.00 (inclusive of 12% VAT**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees by presenting the official receipt in person.

7. The Civil Aviation Authority of the Philippines will hold a Pre-Bid Conference on **10 November 2023 @ 9:30 AM** through video conferencing or webcasting via Google Meet, which shall be open to prospective bidders.

8. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **22 November 2023 @ 9:30 AM.** Late bids shall not be accepted.

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

10. Bid opening shall be on **22 November 2023** at the given address below and/or via Zoom/Google Meet. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

11. The CAAP 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. Bidding Documents may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

13. For further information, please refer to:

MR. GARY M. JADIE
Head, BAC Secretariat
Civil Aviation Authority of the Philippines
MIA Road corner Ninoy Aquino Avenue 1300
Pasay City, Metro Manila
Telephone number – (02) 82464 988 loc. 2236
Email address – bac@caap.gov.ph
www.caap.gov.ph

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MGEN RICARDO C. BANAYAT AFP (RET)
Chairperson, Bids and Awards Committee - Bravo

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Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

Instruction to Bidders

1. **Scope of Bid**

   The Procuring Entity, **Civil Aviation Authority of the Philippines** wishes to receive Bids for the **Supply, Delivery, Installation and Commissioning of IT Network Infrastructure at CAAP Various Airports including 1-Year Subscription of Internet Dedicated Access** with identification number **Bid No. 23-048-10 BRAVO**.

   The Procurement Project (referred to herein as "Project") is composed of **one (1) lot**, the details of which are described in Section VII (Technical Specifications).

2. **Funding Information**

   2.1. The GOP through the source of funding as indicated below for **CAAP COB 2023** in the amount of **ONE HUNDRED NINETY FIVE MILLION PESOS (Php195,000,000.00)**

   2.2. The source of funding is:

   a. GOCC and GFIs, the proposed Corporate Operating Budget.

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.**

For this purpose, the similar contract mentioned above must have been completed within the period specified in the Invitation to Bid.

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. 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 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 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 (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 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 (CCP) 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[1] or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until one hundred twenty [120] 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 and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

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

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 8 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 10 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

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

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

18.   Domestic Preference

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

19.   Detailed Evaluation and Comparison of Bids

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

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

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

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

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

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
3.0	Certificate of Site Inspection duly signed by the Airport Manager or his/her duly authorized representative on the airport sites specified in Section VII Terms of Reference; and

The following documents shall be the attachments to the Certificate of Site Inspection and form part of the bidder's technical documents:

1. Copy of company ID of the person who conducted the site inspection;

2. Copy of the airport/facility visitor's logbook with the entry of the name and signature of the person who conducted the site inspection; and

3. Picture of the proposed site including the personnel who conducted the site inspection together with the Airport Manager or his/her duly assigned authorized representative.

The period for the conduct of site inspection shall be after the Pre Bid Conference as specified in the Invitation to Bid. The Site Inspection shall be scheduled as such:

Nov 11, 2023 (Saturday) (10:00 AM to 5:00 PM):
    Clark Intl Airport (CAAP Office)
Nov 13, 2023 (Monday) (10:00 AM to 5:00 PM):
    Tuguegarao Airport, Tacloban Airport, Laguindingan Airport, Kalibo Airport, Zamboanga Intl Airport
Nov 15, 2023 (Wednesday) (10:00 AM to 5:00 PM):
    Laoag Intl Airport, Mactan Cebu Intl Airport (CAAP Office), Davao Intl Airport (CAAP Office), Bacolod Airport, Pagadian Airport
Nov 17, 2023 (Friday) (10:00 AM to 5:00 PM):
    Bicol Intl Airport, Panglao Airport, Gen. Santos Intl Airport, Pto. Princesa Airport

Bids not complying with the above instruction shall be disqualified. |

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 amount of which shall be equivalent to **at least fifty percent (50%) of the ABC.**
	
	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:
	
	  a. Installation and Commissioning of IT Network Infrastructure or its equivalent;
	
	  b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.

10.1	Bidder shall submit all eligibility and technical documents as specified in **Section IX. Checklist of Technical and Financial Documents:**
	
	Class "A" Documents
	Legal Documents
	
	  a. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
	
	  or
	
	  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; and
	
	  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; and
	
	  d. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); and
	
	In connection to GPPB Circular 07-2017 dated 31 July 2017, the bidder shall have the following options:
	
	1. Submit the Certificate of PhilGEPS Registration and Platinum Membership including its Annex "A" in lieu of the uploaded Class "A" Eligibility Documents identified in Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act 9184 (Revised IRR of RA 9184), provided that all Class "A" Eligibility Documents listed under the aforesaid Annex "A"

are all uploaded and maintained current and updated in the PhilGEPS Registry.

2. *Submit a combination of the PhilGEPS Registration and Platinum Membership including its Annex "A" and Class "A" Eligibility Documents identified in Section 8.5.2 of the Revised IRR of RA 9184.*
   - *In the event that aforesaid Class "A" Eligibility Document(s) listed in the Annex "A" of the PhilGEPS Registration and Platinum Membership is/are reflected to be outdated, the bidder shall submit such current and updated Class "A" Eligibility Document(s).*

3. *Submit all the Class "A" Eligibility Documents only, provided that the PhilGEPS Registration and Platinum Membership shall be submitted as a Post-Qualification requirement in accordance with Section 34.2 of the Revised IRR of RA 9184.*

Technical Documents

a. 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

b. Statement of the bidder's Single Largest Completed Contract (SLCC) to the contract to be bid, except under conditions provided under the rules*;* and

c. 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

d. Schedule of Requirements

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 authorityto its officer to sign the OSS and do acts to represent the Bidder; and

   This shall include all of the following documents as attachment to the Omnibus Sworn Statement:

   1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as

	prescribe under the 2016 Revise Implementing Rules and Regulation (R-IRR) of RA No. 9184; and 2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; and 3. Bid Bulletins (if applicable); and Financial Documents a. The prospective bidder's audited financial statements, showing, among others, the prospective bidder'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 b. 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** a. If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR 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. Modifications and/or alterations on the stated requirements in the financial document forms shall not be allowed. Bids not complying with the above instruction shall be disqualified.
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. This shall include the complete accomplishment of all of the following documents and shall form part of the bidder's financial documents: a. Original of duly signed and accomplished Financial Bid Form; and b. Original of duly signed and accomplished Price Schedule. Modifications and/or alterations on the stated requirements in the financial document forms shall not be allowed.

	Bids not complying with the above instruction shall be disqualified.
12	The price of the Goods shall be quoted DDP [state place of destination] or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than **Php3,900,000.00** *(2% of ABC)*, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than **Php9,750,000.00** *(5% of ABC)* if bid security is in Surety Bond.
15	1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder. Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. "page 3 of 100". Page number of last page of the document (per envelope basis). Pagination should be sequential based on the entire span of the whole documents inside the envelope. Bids not complying with the above instructions shall be automatically disqualified. 2. Each Bidder shall submit **one (1)** copy of the first and second components of its bid.
19.1	The Bidder must render its statement of Compliance/Conformity with Bidding Documents as enumerated and specified in Section VII. Technical Specifications. Bids not complying with the above instruction shall be disqualified.
19.2	Partial bid is not allowed. The project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
19.5	NFCC Computation or a committed Line of Credit from a universal or commercial bank.

20.2	The Bidder with the Lowest Calculated Bid (LCB) that complies with and is responsive to all the requirements and conditions shall submit its
	a) Latest income and business tax returns filed through the Electronic Filing and Payment System (EFPS);
	b) Business licenses and permits required by law (Registration Certificate, Mayor's Permit, & Tax Clearance); and
	c) Latest Audited Financial Statements
	Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the bidder for award. Provided, that in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the Bid Security in accordance with Section 69 of the IRR of RA 9184.
21.2	The attached Technical Specifications (Terms of Reference) for **Supply, Delivery, Installation and Commissioning of IT Network Infrastructure at CAAP Various Airports including 1-Year Subscription of Internet Dedicated Access** shall be an integral and inseparable partof the contract.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing **all the rights and obligations of the parties.**

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any **complementary information**, which may be needed, shall be introduced only through the **Special Conditions of Contract**.

General Conditions of Contract

1. **Scope of Contract**

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

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

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

2. **Advance Payment and Terms of Payment**

   2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.

   2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. **Performance Security**

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

4. **Inspection and Tests**

   The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section 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

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

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

6.   Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

      a. Information that complements provisions of the GCC must be incorporated.

      b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
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 at the following CAAP sites specified in Section VII (Terms of Reference): 1. Laoag International Airport 2. Tuguegarao Airport 3. Clark International Airport (CAAP Office) 4. Puerto Princesa Airport 5. Bicol International Airport 6. Kalibo International Airport 7. Bacolod-Silay Airport 8. Mactan-Cebu International Airport (CAAP Office) 9. Panglao Airport 10. Tacloban Airport 11. Pagadian Airport 12. Zamboanga International Airport 13. Laguindingan Airport 14. Davao International Airport (CAAP Office) 15. General Santos International Airport 16. CAAP Head Office, Pasay City 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 the Management Information Systems Division (MISD) and/or the Airport Manager or its duly authorized representative/s. **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 of on-site assembly and/or start-up of the supplied Goods;

b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;

c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;

d. 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

e. 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.

f. Integration cost of the existing system and databases

g. additional requirements to be provided under the Contract shall include those specified in the Terms of Reference

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.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and

b. in the event of termination of production of the spare parts:

    i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and

    ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VII (Terms of Reference)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of the warranty or as agreed by the parties. Service units for the supplied/delivered devices must be made available 24/7 during the warranty period.

Spare parts or components and service units shall be supplied as promptly as possible during the warranty, but in any case, within a period agreed by the parties.

Packaging –

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

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

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

	Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging. **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.
2.2		The terms of payment shall be as follows: The project shall be paid on the schedule indicated which shall not exceed the ceiling specified:

Project Activity / Milestone	Deliverables	Payment Schedule
Submission of the Inception Report	Signed-off Inception Report	10% of the Total Project Cost
Delivery, Installation and Commissioning for 5 airports -Laoag Intl Airport -Tuguegarao Airport -Clark Intl Airport (CAAP Office) -Pto. Princesa Airport -Bicol Intl Airport	-Delivery of hardware in each site specified in Section VII Terms of Reference -Installation, testing & commissioning -Issuance of Training certificates for endusers -Signed-off UAT for each site	25% of the Total Project Cost
Delivery, Installation and Commissioning for 5 airports -Kalibo Intl Airport -Bacolod-Silay Airport -Mactan-Cebu Intl Airport (CAAP Office) -Panglao Airport -Tacloban Airport	-Delivery of hardware in each site specified in Section VII Terms of Reference -Installation, testing & commissioning -Issuance of Training certificates for endusers -Signed-off UAT for each site	25% of the Total Project Cost
Delivery, Installation and Commissioning for 5 airports -Pagadian Airport -Zamboanga Intl Airport -Laguindingan Airport -Davao Intl Airport (CAAP Office) -Gen Santos Intl Airport	-Delivery of hardware in each site specified in Section VII Terms of Reference -Installation, testing & commissioning -Issuance of Training certificates for endusers -Signed-off UAT for each site	25% of the Total Project Cost
Knowledge Transfer for Admin 1-year subscription of Internet dedicated access for the 15 sites Final Acceptance	-Conduct of Training for Admin -Testing and commissioning of internet dedicated access on each site -Signed-off Final Report	15% of the Total Project Cost
TOTAL		100% of the Total Project Cost

	Progressive payments based on a milestone upon acceptance by the Procuring Entity of the deliverable/s. The final payment shall be made only after the final report and a final statement, identified as such, shall have been submitted and approved as satisfactory by the Procuring Entity.
4	The inspections and tests that will be conducted shall include but not limited to physical inspection and inventory, hardware/software testing and/or whatever additional tests that the Technical Inspection and Acceptance Committee may require.

Section VI. Schedule of Requirements

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

Item Number	Description	Quantity	Delivery Days/Weeks/Months
1	***Supply, Delivery, Installation and Commissioning of IT network Infrastructure as specified in Section VII Terms of Reference for 15 airports*** -Laoag Intl Airport -Tuguegarao Airport -Clark Intl Airport (CAAP Office) -Pto. Princesa Airport -Bicol Intl Airport -Kalibo Intl Airport -Bacolod-Silay Airport -Mactan-Cebu Intl Airport (CAAP Office) -Panglao Airport -Tacloban Airport -Pagadian Airport -Zamboanga Intl Airport -Laguindingan Airport -Davao Intl Airport (CAAP Office) -Gen Santos Intl Airport	1 lot	365 calendar days after receipt of Notice to Proceed
2	***1-year subscription of Internet dedicated access in each 15 sites***	1 lot	
3	***Implementation of WIFI landing page with application to person (A2P) or messaging capability for 15 sites***	1 lot	
4	***Integration of a secured web RTC with 10SIP sessions directed to CAAP identified airports specified in Section VII Terms of Reference***		
5	***Training specified in Section VII Terms of Reference***	1 lot	
6	***Warranty and SupportAgreement***	3 years Maintenance Agreement	
	TOTAL		***365 days***

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance
		[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.]
1		
2		
3		
4		
5		
6		

Item	Specification	Statement of Compliance
1	**GENERAL COMPONENTS**	
0.1	**Network and Infrastructure rehabilitation of 15 airports managed by Civil Aviation Authority of the Philippines namely Laoag, Tuguegarao, Clark (CAAP Office), Puerto Princesa, Bicol, Mactan-Cebu (CAAP Office), Panglao, Tacloban, Bacolod, Kalibo, Pagadian, Laguindingan, Davao (CAAP Office), General Santos, and Zamboanga**	
0.2	**Provision of a dedicated, high-speed, diverse, reliable and managed connectivity to the Internet and guaranteed Internet bandwidth The Type of Access – Fixed Bandwidth: 100mbps-400mbps per Airport**	
0.3	**Implementation of a WIFI landing page with application to person (A2P) or messaging capability**	
	Integration of a secured web RTC with 10 SIP sessions directed to CAAP managed airports.	
2	**GENERAL**	
2.1	The supplier shall have the capacity of installing and commissioning IT network infrastructure and deploying manpower nationwide.	
2.2	The supplier shall provide a detailed description of the following: o Project implementation plan/ project timeline o Project organization o Project single line diagram o System of reporting o Change request handling o Customer Service Response	
2.3	The supplier shall provide an organizational chart with the detailed qualification of its personnel involved in the project which should have a technical background on IT network infrastructure and/or project management. Key project personnel (e.g., Project Manager, Project Engineers, and Foremen) shall have at least five (5) years' experience in its field of expertise and their complete qualification and experience data shall be provided in their CV.	
2.4	The supplier shall provide Certificates of satisfactory performance from at least 3 previous and existing clients. A satisfactory performance certificate from CAAP and/or its relevant service or end-user is required if the bidder was a previous or current service provider of CAAP	
2.5	The CAAP will provide various data, records and including floorplans but the confidentiality and/or disclosure thereof shall be maintained and cannot be disclosed and/or disseminated by any CAAP personnel and the supplier / contractor including its employees without the written permission of the Director General or his duly authorized representatives.	

		Disclosure of the data without the required permission shall be a ground for the cancellation / rescission of the project and/or filing of the appropriate cases against the violators.	
	2.6	The supplier should be able to complete the project within three hundred sixty five (365) calendar days from the issuance of Notice to Proceed.	
	2.7	Maintenance and Support / Service Level Agreement of 3 years.	
	2.8	Warranty for parts and services of 3 years	
	2.9	Training for the Network Administrator/(s) and end users at 15 sites	
		The winning bidder shall: o Ensure that appropriate training/s for different level users are provided. o Conduct its training on site. o Provide training material. o Submit training course outline subject to approval.	
		Administrator and End User trainings for all network devices but not limited to Network Operations, Security and Administration. As-built documents and configuration, product feature and administration management training of the following: • Firewall • Core Switch • Access Switch • Access Point • Bandwidth Manager • UPS • DNS/DHCP Services • Point-to-point Radio • Mini PC • Structured Cabling	

3	**SCOPE OF WORK**	
3.1	**GENERAL REQUIREMENT**	
	3.1.1	Internet Service Provider and must provide a certification that it uses its own domestic nationwide network and operates its own landing stations with atleast 3 cable landing stations facility.	
	3.1.2	The Internet Service Provider must provide a certification that they are connected or subscribed to Tier 1 networks.	
	3.1.3	The Internet Service Provider has atleast 10 Terabit per second (10Tbps) combined International IP and Domestic Caching capacities.	

	3.1.4	The Internet Service Provider must have atleast 30 peering connection to global Internet Service Providers and Content Providers through a commercial and bilateral peering arrangements.	
	3.1.5	The Internet Service Provider must have atleast 15 peering Interconnection to global and domestic Internet Exchanges.	
	3.1.6	The Internet Service Provider must have five International Internet Points of Presence (POPs) and using redundant Submarine Cable Systems to connect to its International nodes. Enumerate list of submarine routes	
	3.1.8	The Internet Service Provider must provide a certification that it's network platform is compliant to the latest MEF Carrier Ethernet (3.0) in all Ethernet Service Types.	
	3.1.9	The Internet Service Provider must support IPV6, or its network platform is IPV6 ready and compliant	
3.2	**DOCUMENTATION**		
		Service provider will provide as-built documentation and corresponding updates consistent with major in-scope adds/moves/change in connection to the project	
3.3	**SERVICE LEVELAGREEMENTS**		
	3.3.1	The Service Provider shall provide industry standard Service Level Agreement (SLA) which shall carry a corresponding "Performance Credit" or rebate based on agreed computation between vendor and CAAP, should any of the committed parameters mentioned below is not met.	
	3.3.2	Service availability shall be based on the transport medium used to deliver the Connectivity Service.: • Fiber last mile – 99.6%	
	3.3.3	Render 24 hours x 7 days customer service support. For remote and on site resolutions, status update will be given within one (1) hours from receipt of the complaint and within every eight (8) hours thereafter if necessary.	
	3.3.4	Fifteen (15) minutes response time for technical issues (software and hardware) that does not need on site resolution. Correction time shall be 8 hours.	

	3.3.5	Two (2) hours response time for technical problem that requires onsite services. Correction Time shall be 8 hours.	
	3.3.6	Service Provider will work with CAAP to define requirements, design, document, and work with Service Provider operations to implement changes on Managed Devices only.	
	3.3.7	Availability and capability of nationwide maintenance support 24/7.	
3.4	**MAINTENANCE AND AFTERSALES SUPPORT**		
	3.4.1	Scope of the Service Provider for the internet connectivity, access points, structured cabling including related in-house wiring, application to person or messaging suite and web to phone calling via internet.	
	3.4.2	All equipment and builts will be delivered by the service provider to the 15 airports to be serviced namely: Laoag, Tuguegarao, Clark (CAAP Office), Puerto Princesa, Bicol, Mactan-Cebu (CAAP Office), Panglao, Tacloban, Bacolod, Kalibo, Pagadian, Laguindingan, Davao (CAAP Office), General Santos, and Zamboanga	
	3.4.3	Winning bidder will provide repair and or replacement to defective units relevant to the implementation and maintenance of the project covering the contract duration or 3 year after the installation and final acceptance of equipment.	
	3.4.4	Warranty and support across connectivity including end-point devices is 24x7 and starts from the date of final acceptance of the project.	
	3.4.5	Guaranteed next day availability of service unit for all ISP devices, network and security devices, network cables, Uninterrupted Power Supply (UPS) and peripheral.	
4	**TECHNICAL SPECIFICATIONS**		
4.1	**SOLUTION (TABLE 1: Required Numbers per site)**		
	4.1.1	Solutions for each milestone with five (5) airports shall have an implementation period of not more than one hundred twenty (120) calendar days.	
	4.1.2	Solution shall be uniformly implemented to the following airports or as specified in this Section: Laoag, Tuguegarao, Clark (CAAP Office), Puerto Princesa, Bicol, Mactan-Cebu (CAAP Office), Panglao, Tacloban, Bacolod, Kalibo, Pagadian, Laguindingan, Davao (CAAP Office), General Santos, and Zamboanga	
	4.1.3	Specifications of Network Infrastructure	
		4.1.3.1	Winning bidder shall provide electrical works, but not limited to cabling, circuit breakers, junction box, electrical panel board, as deemed necessary

			Winning bidder shall provide Main Distribution Frame (MDF) enclosure made of transparent acrylic or polycarbonate material, if deemed necessary.	
			Winning bidder shall provide cooling system for the MDF suitable for 24x7 operation, as deemed necessary	
			Winning bidder shall provide appropriate numbers of HCFC123 10lbs fire extinguisher within the MDF.	
		4.1.3.2	Must have 42U rack cabinet for the MDF that is enough to house all the equipment needed for respective Airport to run its standard and structured network infrastructure with 6KVA to handle all necessary equipment workload within the cabinet. With the following specifications:	
			4.3.1.2.1	42U Rack Cabinet with atleast 1000 Kg static load rating	
			4.3.1.2.2	Adjustable EIA-310-E compliant mounting rails	
			4.3.1.2.3	High-flow perforated steel front and rear doors with 75% air flow rating	
			4.3.1.2.4	Swing handles with 3-point lock	
			4.3.1.2.5	Castors, leveling feet and anti-tip brackets	
			4.3.1.2.6	quick connect grounding	
			4.3.1.2.7	Cage nuts included	
			4.3.1.2.8	Color black	
			4.3.1.2.9	with 3 years warranty	
			4.3.1.2.10	RoHS, UL and CE compliant with Seismic option	
			4.3.1.2.11	Compatible with Aisle containment solutions	
			4.3.1.2.12	Vertical air baffles with cable pass-thru	
			4.3.1.2.13	equipped with UPS that was qualified by Energy Star	
			4.3.1.2.14	included UPS must have 95% efficiency in online double conversion mode and 98% in high-efficiency mode.	
			4.3.1.2.15	included UPS must have a graphical LCD Display to provide information of the UPS status and measurement.	
			4.3.1.2.16	included UPS must have a hot-swappable additional battery modules for longer power availability as deemed necessary.	
			4.3.1.2.17	included UPS must handle internal bypass to allow service continuity incase of internal fault.	
			4.3.1.2.18	included UPS must use 3 stage charging technique to optimize battery health and extend battery lifetime by atleast 45%	
			4.3.1.2.19	Includes Dual Power Dsitribution Unit (PDU) with ATS for seamless power transfer.	

					Must have 24U rack cabinet for the IDF that is enough to house all the equipment needed for respective Airport to run its standard and structured network infrastructure with Uninterrupted Power Supply to handle all necessary equipment workload within the cabinet	
			4.1.3.3	4.3.1.3.1	24U Rack Cabinet with up to 40 Kg static load rating	
				4.3.1.3.2	EIA-310-E compliant mounting rails	
				4.3.1.3.3	made from cold-rolled steel	
				4.3.1.3.4	with 180 degrees door angle	
				4.3.1.3.5	with 3 years warranty	
				4.3.1.3.6	Color Black	
				4.3.1.3.7	removable side panels	
				4.3.1.3.8	equipped with UPS that is certified by Energy Star 2.0	
				4.3.1.3.9	included UPS must have an innovative graphical LCD Display	
				4.3.1.3.10	included UPS must have a gigabit network management card with cyber security certification of UL2900-1 and IEC 62443-4-2.	
				4.3.1.3.11	included UPS must use 3 stage charging technique to optimize battery health and extend battery lifetime by atleast 45%	
				4.3.1.3.12	included UPS must have a hot-swappable additional battery modules for longer power availability as deemed necessary.	
			4.1.3.4		Must have a 24 Ports 10Gbps SFP+ Core Switch to cater respective Airport inter-VLAN network route and traffic	
				4.1.3.4.1	The switch must support the following characteristics	
				4.1.3.4.2	Non-blocking switching architecture	
				4.1.3.4.3	Total RU with Redundant hot swappable Power supply: 1 RU maximum	
				4.1.3.4.4	Power-redundancy with hot swap (in-service) capabilities	
				4.1.3.4.5	Copper and fiber (SFP) transceiver hot swap capability	
				4.1.3.4.6	Minimum of 26 SFP+ ports & 2 QSFP28 ports	
				4.1.3.4.7	The above minimum port count requirements cannot be combo ports. All ports must be capable to operate simultaneously	
				4.1.3.4.8	All ports must offer MACsec capabilities	
				4.1.3.4.9	Minimum stack (virtual chassis) of 6 elements (manageable with single IP address) with dedicated ports to build stack or virtual chassis	
				4.1.3.4.10	Minimum CPU Model Quad Core Intel Atom	
				4.1.3.4.11	Minimum Flash Storage of 32GB	

				SDRAM 8 GB Data Buffer 32MB	
			4.1.3.4.12	Minimum switching capacity (Gbps): 1.12 Tbps	
			4.1.3.4.13	Minimum forwarding capacity (Mpps): 833 Mpps	
			4.1.3.4.14	Operating Temperature: 0 ° C to 45 ° C	
			4.1.3.4.15	Humidity (operation): 5% to 95% non-condensing	
			4.1.3.4.16	Mean time Between failures 380,000 h	
			4.1.3.4.17	The switch must support the following resiliency and high availability functionalities	
			4.1.3.4.18	Unified management, control and virtual chassis technology	
			4.1.3.4.19	Virtual Chassis 1+N redundant supervisor manager	
			4.1.3.4.20	Virtual Chassis In-Service Software Upgrade (ISSU)	
			4.1.3.4.21	Smart continuous switching technology	
			4.1.3.4.22	IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) encompasses IEEE 802.1D Spanning Tree Protocol (STP) and IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)	
			4.1.3.4.23	Per-VLAN spanning tree (PVST+) and 1x1 STP mode	
			4.1.3.4.24	IEEE 802.3ad/802.1AX Link Aggregation Control Protocol (LACP) and static LAG groups across modules	
			4.1.3.4.25	Virtual Router Redundancy Protocol (VRRP) with tracking capabilities	
			4.1.3.4.26	IEEE protocol auto-discovery	
			4.1.3.4.27	Bidirectional Forwarding Detection (BFD) for fast failure detection and reduced re-convergence times in a routed environment	
			4.1.3.4.28	Redundant and hot-swappable power supplies	
			4.1.3.4.29	Built-in CPU protection against malicious attacks	
			4.1.3.4.30	The switch must support the following Layer 3 protocols and features	
			4.1.3.4.31	Multiple VRF	
			4.1.3.4.32	Static routing	
			4.1.3.4.33	Routing Information Protocol (RIP) v1 and v2	
			4.1.3.4.34	Open Shortest Path First (OSPF) v2 with Graceful Restart	
			4.1.3.4.35	Intermediate System to Intermediate System (IS-IS) with Graceful Restart	
			4.1.3.4.36	Border Gateway Protocol (BGP) v4 with Graceful Restart	
			4.1.3.4.37	BGP v4 multiprotocol extensions for IPv6 routing (MP-BGP)	

			4.1.3.4.38	Generic Routing Encapsulation (GRE) and IP/IP tunneling	
			4.1.3.4.39	Virtual Router Redundancy Protocol (VRRPv2) and (VRRPv3)	
			4.1.3.4.40	DHCP relay (including generic UDP relay)	
			4.1.3.4.41	Address Resolution Protocol (ARP)	
			4.1.3.4.42	Policy-based routing and server load balancing	
			4.1.3.4.43	DHCPv4 server	
			4.1.3.4.44	Neighbor Discovery Protocol (NDP)	
			4.1.3.4.45		
			4.1.3.4.46	The switch must support the following advanced layer-2 services	
			4.1.3.4.47	Ethernet services support using IEEE 802.1ad Provider Bridges (also known as Q-in-Q or VLAN stacking)	
			4.1.3.4.48	Fabric virtualization services IEEE 802.1aq Shortest Path Bridging (SPB-M)	
			4.1.3.4.49	Ethernet network-to-network interface (NNI) and user network interface (UNI)	
			4.1.3.4.50	Service Access Point (SAP) profile identification	
			4.1.3.4.51	Service VLAN (SVLAN) and Customer VLAN (CVLAN) support	
			4.1.3.4.52	DHCP Option 82: Configurable relay agent information	
			4.1.3.4.53	Multiple VLAN Registration Protocol (MVRP)	
			4.1.3.4.54	HA-VLAN for Layer 2 clusters such as MS-NLB and active-active Firewall clusters	
			4.1.3.4.55	Jumbo frame support	
			4.1.3.4.56	Bridge Protocol Data Unit (BPDU) blocking	
			4.1.3.4.57	STP Root Guard	
			4.1.3.4.58		
			4.1.3.4.59	The switch must support the following features	
			4.1.3.4.60	The switch must support the following IPv4/IPv6 multicast protocols and features	
			4.1.3.4.61	IGMPv1/v2/v3 snooping and Multicast Listener Discovery (MLD) v1/v2 for fast client joins and leaves of multicast streams and limit bandwidth-intensive video traffic to only the requestors.	
			4.1.3.4.62	Protocol Independent Multicast – Sparse- Mode (PIM-SM), Source Specific Multicast (PIM-SSM)	
			4.1.3.4.63	Protocol Independent Multicast – Dense-Mode (PIM-DM), Bidirectional Protocol Independent Multicast (PIM-BiDir)	
			4.1.3.4.64	Distance Vector Multicast Routing Protocol (DVMRP)	
			4.1.3.4.65	Autosensing IEEE 802.1X multiclient, multi-VLAN support	
			4.1.3.4.66	MAC-based authentication for non-IEEE 802.1X hosts	

			4.1.3.4.67	Secure Shell (SSH) with public key infrastructure (PKI) support	
			4.1.3.4.68	Terminal Access Controller Access- Control System Plus (TACACS+) client	
			4.1.3.4.69	Centralized Remote Access Dial- In User Service (RADIUS) and Lightweight Directory Access Protocol (LDAP) administrator authentication	
			4.1.3.4.70	Learned Port Security (LPS) or MAC address lockdown	
			4.1.3.4.71	Access Control Lists (ACLs); flow based filtering in hardware (Layer 1 to Layer 4)	
			4.1.3.4.72	DHCP v4 & v6 Snooping, DHCP IP and Address Resolution Protocol (ARP) spoof protection	
			4.1.3.4.73	ARP poisoning detection	
			4.1.3.4.74	Quality of Service	
			4.1.3.4.75	The switch must support the following Data Center and network transport Dynamic Virtual Network Profiles (vNP) and IEEE 802.1aq Shortest Path bridging (SPB-M)	
			4.1.3.4.76	The switch must support the following Software Defined Networking (SDN) Programmable RESTful API OpenStack networking plug-in Software contrrolled VXLAN	
			4.1.3.4.77	ITU-T G.8032/Y.1344 2010: Ethernet Ring Protection (ERPv2)	
		4.1.3.5		Must have enough POE and non-POE network switches with 10Gbps SFP+ uplink ports and 1Gbps access ports to interconnect respective Airport's users, access points and other equipment needs to be connected to the network.	
			4.1.3.5.1	The switch must support the following characteristics	
			4.1.3.5.2	Total RU: 1 RU maximum	
			4.1.3.5.3	Power Supply must be internal and integrated into the switch	
			4.1.3.5.4	SFP`s Hot Swap	
			4.1.3.5.5	Minimum of 48 ports 10/100/1000 Base T RJ45 with PoE+	
			4.1.3.5.6	Minimum of 2 SFP+ ports (1/10Gbps) for Uplink or VFL	
			4.1.3.5.7	Minimum of 2 1000BaseT/SFP combo ports	
			4.1.3.5.8	Equipment must have variable speed fan	
			4.1.3.5.9	Maximum Stack of 4 elements (Single Management IP)	
			4.1.3.5.10	Minimum switching capacity of 140Gbps	
			4.1.3.5.11	Switch capacity with all ports (full-duplex + VFL) of 140Gbps	

				4.1.3.5.12	Minimum VFL (aggregated) of 40Gbps	
				4.1.3.5.13	Minimum Processing Capacity (Mpps): 208 Mpps	
				4.1.3.5.14	Operating Temperature: 0°C to 45°C	
				4.1.3.5.15	Humidity (operation): 5% to 95% non-condensing	
				4.1.3.5.16	MTBF (hours) @ 25°C: 789k	
				4.1.3.5.17	PoE Budget of 350W	
				4.1.3.5.18	The switch must support the following Resiliency and high availability functionalities	
				4.1.3.5.19	Unified management, control and virtual chassis technology	
				4.1.3.5.20	Virtual Chassis 1+N redundant supervisor manager	
				4.1.3.5.21	Virtual Chassis In-Service Software Upgrade (ISSU)	
				4.1.3.5.22	Smart continuous switching technology	
				4.1.3.5.23	IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) encompasses IEEE 802.1D Spanning Tree Protocol (STP) and IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)	
				4.1.3.5.24	Per-VLAN spanning tree (PVST+) and 1x1 STP mode	
				4.1.3.5.25	IEEE 802.3ad/802.1AX Link Aggregation Control Protocol (LACP) and static LAG groups across modules	
				4.1.3.5.26	IEEE protocol auto-discovery	
				4.1.3.5.27	Built-in CPU protection against malicious attacks	
				4.1.3.5.28	Split Virtual Chassis protection	
				4.1.3.5.29	The switch must support the following L3 protocols and features	
				4.1.3.5.30	Static routing for IPv4 and IPv6	
				4.1.3.5.31	Up to 64 IPv4 and 4 IPv6 static routes	
				4.1.3.5.32	Up to 32 IPv4 and 4 IPv6 interfaces	
				4.1.3.5.33	The switch must support the following layer-2 capabilities:	
				4.1.3.5.34	Up to 16k MAC Addresses	
				4.1.3.5.35	Up to 4000 VLANs	
				4.1.3.5.36	Up to 1.5k total system policies	
				4.1.3.5.37	Latency: < 4 μs	
				4.1.3.5.38	Max Frame: 9216 bytes (jumbo)	
				4.1.3.5.39	The switch must support the following features	
				4.1.3.5.40	IGMPv1/v2/v3 snooping to optimize multicast traffic	
				4.1.3.5.41	Multicast Listener Discovery (MLD) v1/v2 snooping	
				4.1.3.5.42	Autosensing IEEE 802.1X multiclient, multi-VLAN support	
				4.1.3.5.43	MAC-based authentication for non-IEEE 802.1X hosts	

				4.1.3.5.44	Web based authentication (captive portal): a customizable web portal residing on the switch	
				4.1.3.5.45	Dynamically provide pre-defined policy configuration to authenticated clients — VLAN, ACL, BW	
				4.1.3.5.46	User Network Profile (UNP) simplifies NAC by dynamically providing pre-defined policy configuration to authenticated clients — VLAN, ACL, BW	
				4.1.3.5.47	Secure Shell (SSH) with public key infrastructure (PKI) support	
				4.1.3.5.48	Terminal Access Controller Access- Control System Plus (TACACS+) client	
				4.1.3.5.49	Centralized Remote Access Dial- In User Service (RADIUS) and Lightweight Directory Access Protocol (LDAP) administrator authentication	
				4.1.3.5.50	Centralized RADIUS for device authentication and network access control authorization	
				4.1.3.5.51	Learned Port Security (LPS) or MAC address lockdown	
				4.1.3.5.52	Access Control Lists (ACLs); flow based filtering in hardware (Layer 1 to Layer 4)	
				4.1.3.5.53	DHCP Snooping, DHCP IP and Address Resolution Protocol (ARP) spoof protection	
				4.1.3.5.54	ARP poisoning detection	
				4.1.3.5.55	IP Source Filtering as a protective and effective mechanism against ARP attacks	
				4.1.3.5.56	The switch must support Quality of Service (QoS) features	
				4.1.3.5.57	The switch must support Software Defined Networking (SDN) features Fully programmable RESTful web services interface with XML and JSON support. API enables access to CLI and individual mib objects.	
				4.1.3.5.58	Intuitive CLI in a scriptable BASH environment via console, Telnet, or Secure Shell (SSH) v2 over IPv4/IPv6	
				4.1.3.5.59	Powerful WebView Graphical Web Interface via HTTP and HTTPS over IPv4/ IPv6+	
				4.1.3.5.60	File upload using USB, TFTP, FTP, SFTP, or SCP using IPv4/IPv6	
				4.1.3.5.61	Human-readable ASCII-based configuration files for off-line editing, bulk configuration, and out-of-the-box auto-provisioning	
				4.1.3.5.62	Multiple microcode image support with fallback recovery	
				4.1.3.5.63	Dynamic Host Configuration Protocol (DHCP) relay for IPv4/IPv6	
				4.1.3.5.64	DHCPv4 and DHCPv6 server	
				4.1.3.5.65	Loopback IP address support for management per service	

			4.1.3.5.66	Remote port mirroring	
			4.1.3.5.67	sFlow v5 and Remote Monitoring (RMON)	
			Must have a fully functional and licensed bandwidth management solution to handle bandwidth management and traffic segregation between segment of its network		
		4.1.3.6	4.1.3.6.1	User Identification - Must support ability to identify user base on IP, MAC, hostname.	
			4.1.3.6.2	User account importing - Must support import user accounts information via CSV file, and support synchronize users with LDAP, database.	
			4.1.3.6.3	Main authentication - Must support password based on SMS, QR code, Facebook, LDAP, RADIUS, POP3, CAS, H3C CAMS authentication.	
			4.1.3.6.4	Integration and authentication option - Must support single sign-on authentication base on Active Directory, Radius, POP3, Proxy, Web Server, HTTP API, Database Server. Support integration with SMS authentication, Facebook authentication, QR code authentication, and other popular authentication methods.	
			4.1.3.6.5	User self registration - User can submit the application information, and then IT administrator can approve the application, support add new item of information collection.	
			4.1.3.6.6	Account attribution - Must support custom account attribution and access control configuration based on account attribution.	
			4.1.3.6.7	Account binding - Must support IP, MAC bind with user account.	
			4.1.3.6.8	Proxy mode - Must support HTTP transparent, Socks4/Socks5 proxy, PAC Script.	
			4.1.3.6.9	Proxy policy - Must support using proxy policy based on source IP group, destination domain.	
			4.1.3.6.10	HTTP proxy & ICAP - Must support associate with ICAP server, support multi-ICAP server.	
			4.1.3.6.11	Cascading proxy - Must support cascading proxy configuration i.e allow another proxy connect to an upstream proxy.	
			4.1.3.6.12	Application Database must support more than 6000+ applications in its database including 700+ cloud applications, 1000+ mobile applications, 300+ web applications and must support self-define app rules.	
			4.1.3.6.13	Must support application database update in every 2 weeks	
			4.1.3.6.14	Service control - Must support access management based on services or ports such as HTTP(80), HTTPS(443), TELNET(23), SSH(22), FTP(21), SMTP(25), POP3(110).	
			4.1.3.6.15	URL filter	

				4.1.3.6.16	Must support ten million URLs of URL database, must include sub categories such as pornographic, gambling, games, illegal drugs, counteraction, financial, education in URL database.	
				4.1.3.6.17	Must support self-define URL groups.	
				4.1.3.6.18	Must support filter the websites base on URL, searching keyword, file types. Must support URL redirect to specific page if system block some illegal URLs, must support customization of this page.	
				4.1.3.6.19	Enhanced email control	
				4.1.3.6.20	Must support control and audit the email base on source address, destination address, keywords in email, keywords in body/title, attachment type/size/count.	
				4.1.3.6.21	Must support block and audit Gmail, Yahoo mail, Hotmail via Foxmail, Outlook, Flashmail client.	
				4.1.3.6.22	Must support block and audit web mail base on sender/receiver information, key word, attachment file type for application such as exchange, hotmail.	
				4.1.3.6.23	Enhanced IM control	
				4.1.3.6.24	Must support content record and audit to IM tools such as Yahoo, Google-talk, web-MSN, as well as encrypted IM such as Skype.	
				4.1.3.6.25	Support IM chat in offline audit policy	
				4.1.3.6.26	Enhanced social media application control - Must support encrypt social media application management at least Facebook, Twitter, Instagram, Linkedin.	
				4.1.3.6.27	▪ Enhanced forums management	
				4.1.3.6.28	Must support identification and control for forums such as detik.com, compass.com, support content filtering based on key words.	
				4.1.3.6.29	Support audit of forums and web sites, including record of destination URL, title, content, support content search based on key word in management center.	
				4.1.3.6.30	Keywords filtering - Must support keywords filtering for search engine, at least Google, Yahoo, Bing.	
				4.1.3.6.31	File filter - Must support control HTTP, FTP upload and download activity based on file type at least docx, xlsx, pptx, txt, rar, bat, exe, pdf, zip, rar, gz, bz2, Z, tgz, tbz, 7z, cab, bz.	
				4.1.3.6.32	SSL traffic control - Support SSL protocol application identification and control, including Facebook, Twitter, Youtube, Google search, Dropbox, Skype, Facebook messenger, Line, Telegram, Whatsapp and HTTPS based website from both PC and smart phone.	

				4.1.3.6.33	Proxy control - Must support anti-proxy function, support proxy tools identification and control such as FreeGate, Ultrasurf, Psiphon, TOR, FreeVPN, Green VPN, Opera Turbo, TunaProxy, Waysonline, Zenmate, AdNet, VPN123, secure vpn.	
				4.1.3.6.34	SaaS application management	
				4.1.3.6.35	Support SaaS management in one box.	
				4.1.3.6.36	Support account based on control, block personal account and allow enterprise account login.	
				4.1.3.6.37	Support safe search feature of Google, Youtube, Bing.	
				4.1.3.6.38	Support control over the channel of YouTube, like block Movie allow self-created channel.	
				4.1.3.6.39	Support allow download and block upload of the SaaS applications, like Google drive, OneDrive etc.	
				4.1.3.6.40	Must support guarantee and limit bandwidth management.	
				4.1.3.6.41	Support at least 1000 policy.	
				4.1.3.6.42	Support at least 7 sub channels for BM policy.	
				4.1.3.6.43	BM objects - Must support BM base on application types, website types, file types, users, schedules, destination IP, end point types (PC, mobile phone).	
				4.1.3.6.44	Dynamic bandwidth management - Support Dynamic bandwidth management, support average allocation/predefined bandwidth allocation among users in a single traffic pipe.	
				4.1.3.6.45	Advanced P2P control - Support precise identification and manage known, variant, encrypted and unknown P2P behaviours. Support application at least Xunlei P2P, BT, eMule, Ares, BitTorrent sync, P2P-NAT, P2P Behavior.	
				4.1.3.6.46	Virtual line - Support establish virtual line in a physical port to enable advanced and accurate control.	
				4.1.3.6.47	Multiplexing and intelligent routing - Provide link load balancing in router mode.	
				4.1.3.6.48	International bandwidth control - Support with precise identify and manage international bandwidth. Make overseas traffic visible. Manage regional and overseas traffic respectively. Control overseas traffic.	
				4.1.3.6.49	TRAFFIC IDENTIFICATION AND CATEGORIZATION	
				4.1.3.6.50	On-disk URL database	
				4.1.3.6.51	Support local URL database.	
				4.1.3.6.52	Support at least ten million of URL records.	

				4.1.3.6.53	Support sub categories at least: pornographic, gambling, games, illegal drugs, financial, education, counteraction & other illegalities.	
				4.1.3.6.54	Support administrator self-defined URL groups.	
				4.1.3.6.55	Application database	
				4.1.3.6.56	Must support more than 2500 app rules, support cloud, web and mobile application category and must support self-define app rule.	
				4.1.3.6.57	Must support application database update in every 2 weeks.	
				4.1.3.6.58	Intelligent identification rules - Support identify traffic intelligently through dynamic flow characteristics analysis such as P2P, Proxy tools, SSL.	
				4.1.3.6.59	File type identification - Must support control HTTP, FTP upload and download activity based on file type such as docx, xlsx, pptx, txt, rar, bat, exe, pdf, zip, rar, gz, bz2, Z, tgz, tbz, 7z, cab, bz.	
				4.1.3.6.60	Traffic visualization	
				4.1.3.6.61	Support visualization of the bandwidth channels including the sub-channels.	
				4.1.3.6.62	Support search based on the user or IP to identify which channel the user is utilizing bandwidth.	
				4.1.3.6.63	Report objects - Support logs search base on time, IP address, endpoint device, application flow, action.	
				4.1.3.6.64	Traffic ranking - Support application traffic ranking, URL category traffic ranking, URL traffic ranking, application duration ranking, URL category traffic ranking, URL traffic ranking, file upload ranking, IM ranking, Email and microblog ranking, term search ranking, endpoint device ranking.	
				4.1.3.6.65	Traffic trend - Support application access trend, URL category access trend, TOP talks of URL trend, endpoint access trend.	
				4.1.3.6.66	Real-time report - Support Real-time monitor of CPU / hard disk / traffic / connection / session status, online user information, traffic ranking, connection ranking; real-time utilization visibility of bandwidth channels.	
				4.1.3.6.67	Content log - Support Content log including IM chat (Gtalk, Skype,Yahoo! Messenger); SMTP and Web mail content and attachment (Gmail, Yahoo, exchange), keyword search (Google, Bing).	
				4.1.3.6.68	Customizable risk report - Support customize report base on traffic, online duration, Internet activities, URL category, endpoint.	

				4.1.3.6.69	Report format - Support report file format CSV, PDF and able to integrate with external storage with specific data format for advanced use;	
				4.1.3.6.70	Report center storage - Internal (Built-in) report center and external report center. There is no system limitation for data storage.	
				4.1.3.6.71	API interface - Must support API interface for data export to 3rd party system.	
				4.1.3.6.72	Notification (advertisement redirect) - Must support redirect user URL request to specific page, with configuration of authentication.	
				4.1.3.6.73	Flow/duration control - Must support flow quota base on daily and monthly, support concurrent session quota per user.	
				4.1.3.6.74	Hierarchical administration - Must support hierarchical administrator privileges. Functionality of different modules can be assigned to different administrators as needed, via a hierarchical management model; Administration of different functions and modules can be delegated to different administrative groups.	
				4.1.3.6.75	Endpoint device management	
				4.1.3.6.76	Must support management based on the endpoint device OS.	
				4.1.3.6.77	Identify the type of endpoints and manage the endpoints.	
				4.1.3.6.78	Support detected endpoint for access control policy based on endpoint type i.e mobile device, pc, dumb endpoint, medical equipment and custom device.	
				4.1.3.6.79	Connection sharing management	
				4.1.3.6.80	Must support connection sharing management.	
				4.1.3.6.81	Limit the proxy user accessing the internet.	
				4.1.3.6.82	Security modules - Must support built-in stateful Firewall; Built-in IPsec VPN; Gateway Anti-virus option.	
				4.1.3.6.83	Deployment	
				4.1.3.6.84	Support flexible deployment mode at least Route, Bridge, Double bridge, Bypass, Single-arm mode.	
				4.1.3.6.85	Support link load balancing.	
				4.1.3.6.86	Support maximum32 bridges.	
				4.1.3.6.87	Support high availability active-standy and active-active mode.	
				4.1.3.6.88	IPv6 - Must support IPv6, include authentication, application, bandwidth management, content audit and report.	
				4.1.3.6.89	Bypass Mode - Must support hardware bypass.	
				4.1.3.6.90	Network Management Protocol - Must support SNMP, Syslog	

				4.1.3.6.91	Management portal - Management portal must be encrypted using SSL and devices can be managed using SSH commands.	
				4.1.3.6.92	Role based management - Must support privilege management. Different administrators can be assigned different management permissions by user group.	
				4.1.3.6.93	Alarm Management - Support variety of event alarm, support alarm by sending email.	
				4.1.3.6.94	Troubleshooting - A GUI-based troubleshooting tool is provided for administrators to locate faults such as policy errors.	
				4.1.3.6.95	Management portal - Management portal must be encrypted using SSL and devices can be managed using SSH commands.	
				4.1.3.6.96	Role based management - Must support privilege management. Different administrators can be assigned different management permissions by user group.	
				4.1.3.6.97	Alarm Management - Support variety of event alarm, support alarm by sending email.	
				4.1.3.6.98	Troubleshooting - A GUI-based troubleshooting tool is provided for administrators to locate faults such as policy errors.	
				4.1.3.6.99	Standard IPSec VPN - Support standard ipsec vpn connect with third-party device. Authentication algorithm: MD5/SHA-1, Encryption algorithm: DES/3DES/AES128 Hash:MD5/SHA.	
				4.1.3.6.100	Proxy Avoidance Management	
				4.1.3.6.101	Support multiple management of anti-proxy.	
				4.1.3.6.102	Identify the users who are using proxy tools surf Internet, Block user to login proxy tools, Alert users who are using the proxy tools, Block the download link of proxy tools.	
				4.1.3.6.103	Blocking Proxy Avoidance Capability - Must support anti-proxy function, support proxy tools block such as FreeGate, Ultrasurf, Psiphon, TOR, FreeVPN, Green VPN, Opera Turbo, TunaProxy, Waysonline, Zenmate, AdNet, VPN123, secure vpn.	
				4.1.3.6.104	Blocking Log - Support proxy tools blocking log.	
				4.1.3.6.105	Support SSL decryption at gateway level.	
				4.1.3.6.106	Support SSL decryption at client level.	
				4.1.3.6.107	Support TLS 1.3	
				4.1.3.6.108	Support deployment with certification distribution into client endpoints with self-signed or own private certificate.	
				4.1.3.6.109	Endpoint IP Management	

			4.1.3.6.110	Support asset inventory	
			4.1.3.6.111	Check connected, offline and vacant endpoint based on IP address pool	
			4.1.3.6.112	Allow to define offline status based on customized of inactive days	
			4.1.3.6.113	Support export into csv file for reference purpose	
			4.1.3.6.114	Endpoint Discovery	
			4.1.3.6.115	Support detection on unknown & rogue endpoint	
			4.1.3.6.116	Support auto delete of endpoint over a predefined undiscoverable durations	
			4.1.3.6.117	Support endpoint discovery and scanning based on ip address, ip address range and ip address subnet	
			4.1.3.6.118	Support snmp v1 and v2	
			4.1.3.6.119	Endpoint Classification	
			4.1.3.6.120	Detect types of endpoint, user, group, operating system, open port and etc	
			4.1.3.6.121	Support endpoint device classification based on mobile device, pc, dumb endpoint, medical equipment and custom device	
			4.1.3.6.122	Support Software for 3 year, In-cloud URL database and security features, include the maintenance and hardware replacement	
			4.1.3.6.123	The vendor which the proposed solution must be certified with CMMI L5.	
			4.1.3.6.124	Vendor must have direct local support in the Philippines.	
		4.1.3.7		Must have an appliance-based DNS and DHCP services that is necessary to cater respective Airport needs	
			4.1.3.7.1	The solution must be rack mountable appliance-based DNS (1u) with optimized and hardened Linux	
			4.1.3.7.2	Storage: Separate storage for the operating system and data (1 x Operating System; 1 x Data)	
			4.1.3.7.3	Network Ports: 2 x 1 Gbps ports	
			4.1.3.7.4	Storage Type and Redundancy: Solid State Drive (SSD) and CFast cards for storing the data and the configuration of the appliance. Redundancy: Must support simple and quick migration of configuration data to cold standby appliance via the use of CFast Cards in the case of a failure	
			4.1.3.7.5	Authoritative (QpS) - 12,000	
			4.1.3.7.6	The solution should able to handle IPv4 and IPv6 DNS queries	
			4.1.3.7.7	Can managed BIND resolver, with support for TSIG and IP secured zone transfers	

				4.1.3.7.8	Can delete zones, force updates, and display zone files	
				4.1.3.7.9	Can do regular zone backups from master	
				4.1.3.7.10	Can perform bulk changes including the TTL zones	
				4.1.3.7.11	Support for unlimited number of remote secondary server	
				4.1.3.7.12	Can do full support for DNSSEC signed zones	
				4.1.3.7.13	Compatible with any standards-compliant DNS Server	

				4.1.3.7.14	The solution must support various DNS record configuration such as but not limited to:
					       - Address (A) Record
					      -IPv6 Address (AAAA) Record
					      -Service (SRV) Record
					      -Start of Authority (SOA) Record
					      -Canonical Name (CNAME) Record
					      -Mail Exchanger (MX) Record
					      -Nameserver (NS) Record
					      -Name Authority Pointer (NAPTR) Record
					      -Pointer (PTR) Record
					      -Text (TXT) Record
					      -Start of authority (SOA) Record
					      -Sender Policy Framework (SPF) Record
					      -DomainKeys Identified Mail (DKIM) Record
					      -Domain-based Message Authentication, Reporting, and Conformance (DMARC) Record
					      -Certification Authority Authorization (CAA) Record	

				4.1.3.7.15	High performance recursive resolver Unbound, with support for DNS Caching, forward zones and global forwarding	
				4.1.3.7.16	Optimised DNSSEC validation	
				4.1.3.7.17	Denial of Service (DoS) protection	
				4.1.3.7.18	Cache poisoning protection - max randomness for query ID and port, case preservation, response scrubbing, access control	
				4.1.3.7.19	High Availability Load Balanced clustering	
				4.1.3.7.20	Easy DHCP configuration with automated validation and custom configuration	
				4.1.3.7.21	Reports on live & historic DHCP usage	
				4.1.3.7.22	Automated DHCP failover replicates data to a secondary active unit	
				4.1.3.7.23	DHCPv6 support	
				4.1.3.7.24	IP-based Network Discovery	
				4.1.3.7.25	Secure Web Interface	
				4.1.3.7.26	Safe upgrades: firmware update with option to rollback to previous version	

				4.1.3.7.27	Graphical performance, usage, and system health reports	
				4.1.3.7.28	Backup, Restore and Upgrade capability	
				4.1.3.7.29	Email, SMS, and SNMP alerts	
				4.1.3.7.30	Output to remote Syslog server	
				4.1.3.7.31	Unlimited simultaneous administrators	
				4.1.3.7.32	Replicates DNS Data to a Hot-Standby Unit in Failover	
				4.1.3.7.33	Each service runs in its own process in a 'sandbox' - secure chroot, held on RAMdisk	
				4.1.3.7.34	Audit logs for modifications made with identity, time, and type of modification	
				4.1.3.7.35	Pre-populated host and zone templates	
				4.1.3.7.36	AES encrypted IPSEC to other DNS Servers	
				4.1.3.7.37	TSIG secured transfers to 3rd party DNS servers	
				4.1.3.7.38	Granular control of user access, only over secure SSH/SSL links	
				4.1.3.7.39	DNS Firewall protects against malware (RPZ)	
				4.1.3.7.40	Integrates seamlessly with Master DNS server	
				4.1.3.7.41	Anycast support	
				4.1.3.7.42	Support for IPv6 and DHCPv6 systems	
				4.1.3.7.43	Built-in local and centralized user authentication RADIUS or LDAP	
			4.1.3.8		Must have a next generation firewall to secure respective Airport infrastructure's access across its network.	
				4.1.3.8.1	The proposed solution must meet the performance specification below 1) Firewall throughput _12_ Gbps. 2) New connections(TCP)80,000 . 3) Threat prevention throughput__4.2_Gbps 4) IPS Throughput __3.85_ Gbps	
				4.1.3.8.2	The proposed solution must provide the type & number of interfaces as below 1) At least 2 USB ports 2) At least _6__ 10/100/1000 Base-T ports 3) At least 2 SFP ports	
				4.1.3.8.3	The proposed solution must provide__64G_ SSD disks	
				4.1.3.8.4	The product proposed should support following deployment modes: 1) routing/gateway mode; 2) transparent/bridge mode 3) virtual wire mode; 4) bypass mode. 5) Mixed mode.	
				4.1.3.8.5	The product proposed must support at least 2 pair of hardware bypass(copper), so in case of device failure, the network traffic can still pass.	
				4.1.3.8.6	The proposed prodcut must support high availability via:	

				1) Active-Active mode; 2) Active-Passive or Active Standby mode;	
			4.1.3.8.7	The proposed product must suport link aggregation with following work mode: 1) Load balancing - hash 2) Load balancing - RR(Round Robin) 3) Active-Passive 4) LACP	
			4.1.3.8.8	The proposed product must support link state propagation, that means can setup the correlation interface group, if one of the interface in the group turns up/down, the other interface will follow the same action	
			4.1.3.8.9	The proposed product must support link state detection, with at least the methods below: 1) ARP 2) Ping 3) DNS Lookup	
			4.1.3.8.10	The product proposed must support different mode of NAT: 1) SNAT, DNAT and bidirection NAT. 2) One to one NAT, one to many, many to one NAT. 3) NAT46, NAT64	
			4.1.3.8.11	The product should be ready for IPv6, include: 1) Support IPv4/IPv6 dual stack mode; 2) Support control IPv6 in access control policy, provide control via IP address, service, application, domain ,etc.	
			4.1.3.8.12	The product should support DHCP, include: 1) Act as DHCP server or DHCP proxy 2) Support IP reservation	
			4.1.3.8.13	The product proposed should support GRE tunnel	
			4.1.3.8.14	1) Support DNS transparent proxy 2) Support ARP proxy 3) Supporrt DDNS	
			4.1.3.8.15	1) The product proposed must support static routing.	
			4.1.3.8.16	The product proposed must support dynamic routing protocol: 1) RIPv1/2 2) OSPFv2, OSPFv3 3) BGP4	
			4.1.3.8.17	1) Support redistribute direct route, static route, RIP route(OSPFv2), default route to OSPF. 2) Support authentication method: plaintext, MD5	
			4.1.3.8.18	1) Support redistribute direct route, static route, RIP route, OSPF route to BGP	

				4.1.3.8.19	The product proposed must support policy-based route. The policy route can setup with: 1) Routing source can be specific to IP, IP group 2) Support select route based on IP, services, Country/Region, Application etc. 3) Support load balance via at least 4 methods, Round Robin, Bandwidth ratio Round robin, Weighted least traffic, prefer the first link(link on top)	
				4.1.3.8.20	The proposed product must support at two types of IPsec VPN protocols: 1) Proprietary VPN protocol. 2) Standard IPsec protocol.	
				4.1.3.8.21	The product proposed must be able to setup site to site VPN in the following scenarios: 1) Both site is static IP 2) Both site is dynamic IP 3) One site is dynamic IP while the other site is static IP	
				4.1.3.8.22	Support monitoring the status of each VPN tunnel, the data be monitoring includes: 1) Overview of all the active VPN tunnels 2) Inbound/outbound traffic; 3) Latency 4) Packet loss rate;	
				4.1.3.8.23	The solution proposed should support SD-WAN capability via VPN tunnels: 1) Support session based link balancing mode. 2) Can choose the optimize link based on bandwidth-remaining ratio, application type or link quality(means packet loss, jitter, latency)	
				4.1.3.8.24	1) Support IPSec VPN as the backup link, when main link(MPLS or lease line) disconnected, the traffic will failover to IPSec tunnel 2) Support Access Control, Security policy(IPS, APT etc) on IPSec tunnel.	
				4.1.3.8.25	The proposed product should support SSL VPN feature. 1) Support at least 30 cucurrent user access 2) Support TCP, UDP, ICMP protocols 3) Support HTTP, HTTPS, Email, Fileshare, FTP etc. 4) Support control access by IP, URL, TCP/UDP port etc. 5) Support access resource(destination IP/system) by NAT(NGAF IP address) or virtual IP	
				4.1.3.8.26	The proposed product should be able to support SSL VPN access via Windows XP/7/8/10, MacOS, Andriod, IOS	

				4.1.3.8.27	1) Support LDAP user automatic synchronization. 2) Support Microsoft AD security group mapping. 3) Support SSL VPN user log in & log out log	
				4.1.3.8.28	The proposed product should be able to support user authentication via following stadard: 1) Support captive-portal based authentication, the captive portal is customizable; 2) Support Singla Sign-on(SSO) with Microsoft AD, Radius 3) Support local user database, and external user authentication such as LDAP, Radius, POP3 etc.	
				4.1.3.8.29	The proposed solution should support application control feature and meet the following specifications: 1) Support application control and can identify&control over 9800+ applications. 2) Support admin customize their own application types 2) Typical types of applications can be controled include game, P2P, shopping, social networking etc. 3) Should be able to control applications via source/destination IP, username, Schedule etc. 4) Be able to deny, allow applications	
				4.1.3.8.30	The proposed product must support URL filtering: 1) provide at least 70+ URL categories , include game, gambling, finance, Pornography etc. 2) Support manually create customized the URL category. 3) Should provide on-premise URL signature database, not only rely on cloud.	
				4.1.3.8.31	The proposed solution must support filter filter, which can filter the download, upload file by file type(extension). 1) Support common file type(extension) category, such as, image, text,excutable file, scripts etc. 2) Support customized file type(extension)	
				4.1.3.8.32	The proposed solution should support feature to control concurrent sesion/connections: 1) Be able to control concurrent sessinon/connect by source IP, destination IP, or both 2) In the policy , it will be able to setup specific concurrent session/connection number.	

				4.1.3.8.33	The proposed product should be able to control traffic based on GeoLocations: 1) Be able to control the source IP by a geolocation level, that means the device have a database that can identify the access(IP) is from which country/region and specify the deny or allow action 2) The geolocation identifications should be able to support to the major countries in the world 3) Support the search feature to help find out a specific IP belong to which region. 4) Support check the status of IP that being blocked. 5) Support exclude specific IP from the control.	
				4.1.3.8.34	The product proposed must be able to provide security protection features: 1) IPS. 2) APT 3) Anti-Virus/Malware. 4) Anti-DoS/DDoS. 5) Anti-Brute force attack 6) Web Application Firewall(WAF) 7).etc.	
				4.1.3.8.35	The product propose must support IPS feature and meet the specification below: 1) IPS signature over 9000 etnries on premise. 2) Support admin create customized IPS signature by regular expression, keywords, protocol, port & direction 3) Support admin change the signature default action by per signature based or global. 4) User can use CVEID, Vulnerability Name, vulnerability ID, threat level etc to search for the related signature. 5) IPS module should be able to detect brute-force attack to DB2, Mongodb, MSSQL, MySQL, FTP, IMAP, Jboss, Jenkins, Joomla, Kerberos, SMB, Telnet, SSH, RDP etc. 6) IPS can get up to date signature data via cloud threat intellegence or upload signature package via webUI 7) Support minimize to 10 minute update after a new outbreak happens, when connect to cloud threat intellgence	

				4.1.3.8.36	The proposed solution must support APT and meet the specification below: 1) Detection of remote control torjan, malicous URL/domain, and other threats. 2) The product should support at least 140 million malware signature database on-premise 3) The device can connect to cloud threat intellegence and do real-time for check to threat that cannot identified locally. 4) APT can effectively identify&block the abnormal traffic within well-know protocols such RDP, SSL, IMAP, SMTP, POP3, FTP, DNS, HTTP, WEB	
				4.1.3.8.37	The proposed solution must support anti-virus feature: 1) Support stream based anti-virus with AI-Based anti-virus engine 2) Support protocols HTTP, HTTPS, FTP, SMTP, IMAP, POP3, SMB etc. 3) Support compress file detection, and support compress file with up to 16 layers. 4) Support scan the files up to 20MB 5) Support detect virus in main stream file types, include text, image, music, movie, compressed file, executable file, document, script,etc. 5) Support cloud based analysis with the file cannot be identified locally 6) Support whitelist or exlucde trusted file by MD5 or URL path	
				4.1.3.8.38	The proposed solution must support anti-dos/ddos features, with the features: 1) Support ARP flood, SYN flood, UDP flood, DNS flood, ICMP&ICMPv6 flood protection. 2) Support IP/port scan protection. 3) Support detection and prevent TearDrop attack, LAND attack, WinNuke attack, Smurf attack, Ping of death, IP fragment.	
				4.1.3.8.39	The proposed solution should provide the cloud-base threat intellegence capabilities, include: 1) Cloud Sandboxing 2) Cloud intellegence to identify unknown/new threats 3) Cloud intellegence can provide the new signature update to new outbreaks, the minized respond time is 10 miniutes.	
				4.1.3.8.40	The proposed solution must support HTTPS decryption	

				4.1.3.8.41	The proposed solution must support a dedicated account protection module to identify the abnormal usage of user accounts. 1) Support detection of weak password, brute-force attack, abnormal/suspicious login etc. 2) Provide dedicated GUI page to show & respond all the account abnormal usage events that happens recently.	
				4.1.3.8.42	The proposed solution must support a dedicated ransomware protection module, which can: 1) Automactically scan and detect ransomware related vulnerabilities, port, weak password, brute-force attack etc. 2) Provide dedicated GUI page to show and respond all the ransomware related vulnerabilities 3) Can provide guidance or suggested action to admin, e.g., deploy block policy direct,	
				4.1.3.8.43	The proposed solution must provide risk analytics module that allows to scan and identify security loopholes such as open port, system vulnerabilities, weak passwords ,etc. The risk assessment should support major protocols such as: HTTP, HTTPS, POP3, SMTP, RDP, SMB, Oracle, MSSql, MySQL etc.	
				4.1.3.8.44	The proposed solution must provide a real-time vulnerability analysis or passive vulnerability scan: 1) Detection vulnerabilities based on traffic passthrought NGAF, without any active scanning activies to the servers, minize the extra work load and other impact 2) The vulnerabilities that can be detected includes web application vulnerability, weak password, improper configuration on web server, etc. 3) Support generate HTML format report	
				4.1.3.8.45	The proposed solution must support build-in log center which can keeps 4 types logs: 1) Access Log(Application control log, user authentication log, SSL VPN log) 2) Security Log(IPS, WAF, Botnet, Email protection, Anti DoS, Web Access) 3) System log 4) Support export log to excel file. The appliance should include the local hard disk to provide log retention	
				4.1.3.8.46	The proposed solution must support build-in reporting features, which include: 1) Generaete comprehensive Security report in PDF format	

					2) Support security report subscription by email, in daily, weekly, monthly based.	
				4.1.3.8.47	The proposed solution must support export log to syslog server	
				4.1.3.8.48	The proposed solution must be with "AAA" racking in the Cyber Ratings Enterprise Firewall	
				4.1.3.8.49	The vendor of the proposed solution must be certified with CMMI L5.	
			4.1.3.9		Must have an Access Point to provide adequate Wi-Fi signal coverage with the following specification.	
				4.1.3.9.1	The wireless LAN solution shall propose a distributed control function (no centralized controller) elimination of traffic bottlenecks and lowered latency	
				4.1.3.9.2	The wireless LAN solution shall propose a centralized management function, this shall be in the form of a Virtual Appliance that can be installed on top of any of following hypervisors: VMware ESXi, Microsoft HyperV or Oracle VirtualBox.	
				4.1.3.9.3	In addition to a centralized management function, all Access Points of the wireless LAN solution shall propose a dedicated web interface to monitor and configure a single AP in the global infrastructure	
				4.1.3.9.4	The WLAN solution shall be able to automatically discover new APs added to the network	
				4.1.3.9.5	The centralized management function shall allow per equipment configuration and software backup and restore, and bulk backup and restore	
				4.1.3.9.6	The centralized management function shall allow access to all wIPS/wIDS features (wireless intrusion prevention/detection system)	
				4.1.3.9.7	The wireless LAN solution shall have been designed with scalability in mind in order to allow the 4000 APs limit to be extended in the future (to be described) without requiring new equipment or deployment design change	
				4.1.3.9.8	The WLAN solution shall allow to connect two distant sites over a wireless point-to-point link	
				4.1.3.9.9	The wireless LAN solution shall support MAC based authentication	
				4.1.3.9.10	The wireless LAN solution shall support following 802.1x supplicants: Windows 7, 10, MAC OS, IOS, Android, Chromebook etc..	
				4.1.3.9.11	1x 10/100/1000Base-T autosensing	
				4.1.3.9.12	(RJ-45) port, Power over Ethernet (PoE)	

				4.1.3.9.13	1x USB 2.0 (Type A connector)	
				4.1.3.9.14	1x management console port (RJ-45)	
				4.1.3.9.15	Reset button: Factory reset	
				4.1.3.9.16	Kensington security slot	
				4.1.3.9.17	Antenna: Should have Integrated dual-band down tilt omni- directional antennas for 4x4 MIMO with maximum antenna gain of 3.61 dBi in 2.4 GHz and 4.45 dBi in 5 GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of the AP.	
				4.1.3.9.18	Built-in 2×2:2 @ 2.4 GHz, 4x4:4 @ 5 GHz	
				4.1.3.9.19	Should have a maximum power consumption in idle mode of 13W or below	
				4.1.3.9.20	Should have power over Ethernet (PoE) with 48 V DC rating	
				4.1.3.9.21	The Access Points should be wall mounted but should also be capable of ceiling mounting	
				4.1.3.9.22	Operating Temperature should be within: 0°C to 45°C (-32°F to +113°F)	
				4.1.3.9.23	Humidity should be within: 10% to 90% non-condensing	
				4.1.3.9.24	Should have a minimum MTBF of 530,000h (60 years or above)	
				4.1.3.9.25	Must be capable of Dual Radio: 5 GHz 802.11ac 4x4:4 and 2.4 GHz 802.11n 2x2:2 2x2	
				4.1.3.9.26	Aggregated Mac Protocol Data Unit (A-MPDU)	
				4.1.3.9.27	Aggregated Mac Service Data Unit (A-MSDU)	
				4.1.3.9.28	▪ 2.400 to 2.4835 GHz ▪ 5.150 to 5.250 GHz ▪ 5.250 to 5.350 GHz ▪ 5.470 to 5.725 GHz ▪ 5.725 to 5.850 GHz	
				4.1.3.9.29	▪ 802.11b: BPSK, QPSK, CCK ▪ 802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	
				4.1.3.9.30	▪ 802.11b ▪ 802.11a/g ▪ 802.11n ▪ 802.11ac	
				4.1.3.9.31	▪ 802.11ax	
				4.1.3.9.32	Should have Integrated Antenna: Bluetooth Low Energy (BLE) 5.1 and Zigbee radio	
				4.1.3.9.33	Must be scalable of upto to 4000 APs	
				4.1.3.9.34	Must be capable of upto 32 SSID	
				4.1.3.9.35	Support for up to 512 associated client devices per AP	
				4.1.3.9.36	Must be capable of Bandwidth control per SSID	
				4.1.3.9.37	Must be capable of Auto transmit power control	
				4.1.3.9.38	Must be web managed (HTTP/ HTTPS)	
				4.1.3.9.39	Must be capable of L2/L3 roaming	

			4.1.3.9.40	Must be capable of captive portal (Internal/External)	
			4.1.3.9.41	Must be capable of guest self-registration	
			4.1.3.9.42	Must be capable of guest social-login	
			4.1.3.9.43	Must be capable of internal user database	
			4.1.3.9.44	Must be capable of RADIUS client	
			4.1.3.9.45	Must be capable of RADIUS proxy authentication	
			4.1.3.9.46	Must be capable of AD proxy authentication	
			4.1.3.9.47	Must be capable of band steering	
			4.1.3.9.48	Must be capable of white/black list	
			4.1.3.9.49	Must be capable of wireless QoS	
			4.1.3.9.50	Must be capable of client smart load balance	
			4.1.3.9.51	Must be capable of client sticky avoidance	
			4.1.3.9.52	Must be capable of user behavior tracking	
			4.1.3.9.53	Must be capable of zero-touch provisioning (ZTP)	
			4.1.3.9.54	Must be capable of NTP Client	
			4.1.3.9.55	Must be capable of Access Control List (ACL)	
			4.1.3.9.56	Must be capable of Wireless MESH P2P/P2MP	
			4.1.3.9.57	Must be capable of Wireless Bridge	
			4.1.3.9.58	Must be capable of DHCP/DNS/NAT	
			4.1.3.9.59	Must be capable of rogue AP location and containment	
			4.1.3.9.60	Must have system log report	
			4.1.3.9.61	Must be capable of device specific Pre-Shared Key (PSK)	
			4.1.3.9.62	Must be capable of wireless attack detection	
			4.1.3.9.63	IEEE 802.11a/b/g/n/ac/ Wave 2 or higher	
			4.1.3.9.64	IEEE 802.11h, 802.11i, 802.11e QoS	
			4.1.3.9.65	IEEE 802.11e WMM	
			4.1.3.9.66	802.11k/v/r	
			4.1.3.9.67	Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac	
			4.1.3.9.68	Wi-Fi CERTIFIED Wi-Fi 5 or higher	
		4.1.3.10		Must have a local Monitoring Solution in-place to view its network traffic and status.	
		4.1.3.11		Must have a structured cabling that is necessary to interconnect respective Airport's building that shall be provided by internet and network services	
		4.1.3.12		Must have a point to point radio to interconnect the buildings that are deemed necessary but not possible for wired connectivity	
	4.1.4	Specifications of Internet Connectivity			

		4.1.4.1		Must provide a dedicated, high-speed, diverse, reliable and managed connectivity to the Internet and guaranteed Internet bandwidth
				The Type of Access – Fixed Bandwidth:
				    200mbps: sites with CAAP Office only
				    400mbps: sites including CAAP Offices and other airport buildings and facilities	

	4.1.5		Specifications of WIFI landing page with application to person or messaging capability	
		4.1.5.1	Web-based UI – User-friendly UI allows CAAP to broadcast messages anytime, anywhere.	
		4.1.5.2	Bulk Messaging – Send high-volume SMS messages from any device on the Internet. No installation or deployment required.	
		4.1.5.3	Company Name Masking – Make CAAP messages official with one or multiple mask names.	
		4.1.5.4	Two-way messaging – Enable recipients to reply to CAAP's messages.	
		4.1.5.5	Reports – Features a performance dashboard to help you keep track of your messaging activity.	
		4.1.5.6	Available in API and SFTP – Easily integrate with existing systems. Available in multiple protocols.	
		4.1.5.7	Validity of SMS – Determine how long the portal will attempt to send an SMS message.	
		4.1.5.8	Priority Sending – Prioritize SMS delivery for certain groups.	
		4.1.5.9	Mail-merge – Personalize message content based on contact's database.	
		4.1.5.10	Online Help – Refer to this built-in user guide to learn how to manage the portal.	
	4.1.6		Specifications of secured web RTC with 10 SIP sessions directed to CAAP managed airports.	
		4.1.6.1	Click to call web calling integrated to either the WIFI landing page or a specific CAAP website that will allow communication to CAAP customer service using internet or free WIFI provided within the airport.	
		4.1.6.2	Integration of trunk hunting with 10 SIP sessions that can be shared across all airports.	
		4.1.6.3	Provision of an Interactive Voice Response (IVR) that will allow the callers to choose various options and channels that will be offered by CAAP such as airport locals and the likes.	
		4.1.6.4	The click to call solution has a dedicated Internet Access service inside a Data Center with ANSI/TIA-942 Rated 3 Facilities Certification. Move to click to call and specify security features.	
		4.1.6.5	The Internet Service Provider can deliver a Dedicated Internet Access service inside a Data Center with ANSI/TIA-942 Rated 3 Facilities Certification. Move to click to call and specify security features.	
	4.1.7		Specifications for 15 Mini PC for the MDF (1 unit for each 15 sites)	
			Processor 13th Gen i9 or its equivalent Operating System Windows 11 Pro (pre installed) Memory 64GB, 2 x DDR5 SODIMM, 6400MHz Storage Dual storage: SSD + HDD:	

| | 4TB M.2 PCIe SSD (PCIe Gen4 Performance)
1TB 7200rpm SATA HDD
CONNECTIVITY
Front:
      2 x USB-A 3.2 Gen 2 (1 always on, fast charge) USB-C 3.2 Gen 2,
Headphone / mic combo
Rear: 2 x USB-A 3.2 Gen 2, 2 x USB-A 3.2 Gen 1, HDMI 2.1,
      DisplayPort 1.4, Ethernet (RJ45, 1GB)
      3 x expansion slots (VGA/DP/HDMI/type-C/serial,
      VGA/DP/HDMI/serial/ethernet, & 2 x USB-A 3.2 Gen 1 or 4 x USB-
      A 3.2 Gen 1)
Input Device: USB Mouse and Keyboard
Display: 21 inch Full HD LED Display | |

	Mnl	Laguindingan	Panglao	Mct-Cebu	Zamboanga	PtoPrincesa	Laoag	Tuguegarao	Bicol	Kalibo	Pagadian	GenSantos	Tacloban	Clark	Davao	Bacolod	Total
42U Rack Cabinet		2	1	1	2	2	1	1	2	2	2	2	2	2	1	2	25
Firewall	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1	2	29
Bandwidth Manager		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Core Switch (24P)		2	2	2	2	2	1	1	2	2	2	2	2	2	1	2	27
NTP, DNS and DHCP Services		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Mini PC for NMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
19" Wall Mount Rack Cabinet		8	6	5	9	5	6	5	7	5	8	8	5	3	2	8	90
48 Ports Switch		3	-	3	4	3	2		2	3	2	4	2	2		2	32
48 Ports POE Switch		1	-	-	1	-	1	1	1	1	1	1	1	-	1	1	11
24 Ports POE Switch		1	7	4	2	4	1	2	1	1	1	1	-	1	2	-	28
8 Ports POE Switch		6	1	2	6	2	5	3	5	3	7	6	4	1	1	7	59
Access Point		10	20	11	19	28	8	12	3	24	7	12	7	5	4	10	180
UPS 5KVA		-	-	1	-	1	-	1	-	-	-	-	-	-	1	-	4
UPS 2KVA		1	1	1	1	1	1		1	1	1	1	1	1		1	11
UPS 1KVA		8	6	5	9	5	6	5	7	5	8	8	5	3	2	8	90
Structured Cabling		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Point to Point Radio		10	8	12	6	12	16	8	12	8	10	12	12	-	2	12	140
Cabling (Nodes)		276	150	175	137	256	157	80	109	134	87	320	76	50	104	269	
ISP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

TABLE 1: REQUIRED NUMBER PER SITE

Section VIII. Bidding Forms

TABLE OF CONTENTS

Bid Form

Date: _____

IB^2 N^o: _____

To: *[name and address of PROCURING ENTITY]*
Address: *[insert address]*

We, the undersigned, declare that:

(a)   We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract *[insert name of contract]*;

(b)   We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

   The total price of our Bid, excluding any discounts offered below is: *[insert information]*; The discounts offered and the methodology for their application are: *[insert information]*;

(c)   Our Bid shall be valid for a period of *[insert number]* days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d)   If our Bid is accepted, we commit to obtain a Performance Security in the amount of [*insert percentage amount]* percent of the Contract Price for the due performance of the Contract;

(e)   Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: *[insert information]*;

(f)   We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

(g)   Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;

(h)   We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

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

(j)   **We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and 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 the *[Name of Project]* of the *[Name of the Procuring Entity]*.**

---

^{2} If ADB, JICA and WB funded projects, use IFB.

(k) We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name:_____

In the capacity of: _____

Signed:_____

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

Date: _____

Price Schedule for Goods Offered from Within the Philippines

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

_____

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: _____

Other Bidding Forms

(ANNEX "A")

Other Bidding Forms

CAAP-BAC-SF Annex "A" Form 1

{ATTACH COMPANY LETTERHEAD/LOGO}

Statement of all its <u>ON-GOING</u> 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

Name of Project: _____

Location of Project: _____

Name of Company : _____

Address of Company: _____

Name of Contract	a. Owner's Name b. Address c. Telephone No.	Nature of Work	Contractor's Role		Contract Amount at Award	a. Date Awarded b. Date of Contract c. Contract Duration d. Date Started e. Date Completed	Accomplishment		Values of Outstanding Works
			Description	%			Planned	Actual	
Government									
Private									
							Total value of outstanding works		

Submitted   by: _____

                                  (Print Name & Signature)

Designation: _____

Date: _____

CAAP-BAC-SF Annex "A" Form 2

{ATTACH COMPANY LETTERHEAD/LOGO}

Statement of single largest <u>COMPLETED</u> contract similar to the contract to be bid

Name of Project: _____

Location of Project: _____

Name of Company : _____

Address of Company: _____

Name of Contract	a. Owner's Name b. Address c. Telephone No.	Nature of Work	Contractor's Role		Contract Amount at Award	a. Date Awarded b. Date of Contract c. Contract Duration d. Date Started e. Date Completed
			Description	%		

Submitted by: _____
                           (Print Name & Signature)

Designation: _____

Date: _____

JOINT RESOLUTION

Whereas, _____ (Bidder / Name of Particular JV Partner), duly organized and existing under the Laws of the _____, with office address at _____, represented herein by its_____,_____, and _____(Name of Particular JV Partner), duly organized and existing under the Laws of the _____, with main office address at _____, represented by herein by its_____, have entered into a Joint Venture (JV) Agreement to undertake the following project / contract:

(Name of Project / Contract)

Whereas, in order to facilitate the orderly execution and conduct of the contract that was entered into by the joint venture in the name of the joint venture, it is hereby resolved by the parties in the Joint Venture as follows:

a.   To appoint_____as the Authorized Managing Officer and Official Representative, to represent, to manage the Joint Venture and is empowered to enter in contract in the name of the Joint Venture, or to sign for any document in the name of the Joint Venture required by the (Procurement Agency) or any entities pursuant to the terms of the Joint Venture Agreement:

b.   That, the parties agreed to make_____(Name of Particular Lead Partner) _____ as the Lead Partner of the Joint Venture and (Name of Authorized Officer)_____as the Official Representative & Managing Partner of the Joint Venture, and are granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the Eligibility Check, Bidding and Undertaking of the said contract in the name of the Joint Venture, as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation._____is fully authorized and empowered to sign any or all documents pertaining to the above statedproject / contract in the name of the Joint Venture.

c.   That the parties agree to be jointly and severally liable for their participation in the Eligibility Check, Bidding and Undertaking of the said contract.

d.   That the terms of the JV Agreement entered into the parties shall be valid and is co-terminus with the final completion and turnover of the Name of Contract / Project to the agency of the government, which in this case, the (Name of Procurement Entity);

IN WITNESS THEREFORE, We hereby sign jointly this Joint Resolution this _____ day of_____, 20_____in_____.

Name of Bidder (Lead Partner)   **Name of Bidder (Member Partner)**

By: _____   **By:** _____
    Signature & Name of   Signature & Name of Authorized
    Managing Officer   Authorized Representative

_____   _____
    Designation / Position   Designation / Position

Name of Bidder (Member Partner)   **Name of Bidder (Member Partner)**

By: _____   **By:** _____
    Signature & Name of   Signature & Name of Authorized
    Managing Officer   Authorized Representative

_____   _____
    Designation / Position   Designation / Position

    SIGNED IN THE PRESENCE OF:

_____
_____
_____
_____

A C K N O W L E D G E M E N T

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

BEFORE ME, a Notary Public, for and in the City of_____, Philippines, this_____day of_____, 20_____ personally appeared the following persons:

NAME   **Community Cert. No.**   **Date / Place of Issue**

Representing   to   be   the   _____   of
_____and_____of
_____respectively, known to me and to me known to be the same persons who executed the foregoing instrument for and in behalf of said corporations and who acknowledge to me that same is their free and voluntary act and deed as well as of the corporations which they represent, for the uses, purposes, and considerations therein set forth and that they are duly authorized to sign the same.

This Instrument consists of THREE (3) pages including this page wherein this Acknowledgement is written and signed by the parties and their instrumental witnesses on each and every page thereon.

WITNESS MY HAND AND NOTARIAL SEAL at the place and date hereinafter first above written.

NOTARY PUBLIC

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

Other Bidding Forms

(ANNEX "B")

Bid-Securing Declaration

(REPUBLIC OF THE PHILIPPINES)
CITY OF_____) S.S.
x ---x

Invitation to Bid *[Insert reference number]*

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

I/We, the undersigned, declare that:

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

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

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

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

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

   c. I am/we are declared as 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'S AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M.No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no._____.

Witness my hand and seal this____day of *[month]* *[year].*

NAME OF NOTARY PUBLIC

Serial No. of Commission _____
Notary Public for_____until_____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*
Doc. No. ____
Page   No.
Book   No.
Series of_.

{ATTACH COMPANY LETTERHEAD/LOGO}

Schedule of Requirements

Item No.	Description	Quantity	Unit	Delivered, Weeks/ Months

SUBMITTED BY:

Signature: _____

Printed Name: _____

Position: _____

Name of Company: _____

Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO}

Technical Specifications

Item	Specification	Statement of Compliance

SUBMITTED BY:

Signature: _____

Printed Name: _____

Position: _____

Name of Company: _____

Date: _____

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF_____) S.S.

A F F I D A V I T

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] [insert "as shown in the attached duly notarized Special Power of Attorney" for the authorized representative]*;

   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]*, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable;

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

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

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

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

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

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

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

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

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

   a) Carefully examine all of the Bidding Documents;

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

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

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

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

IN WITNESS WHEREOF, I have hereunto set my hand this____day of ____, 20___at _____, Philippines.

_____
Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this＿＿day of *[month] [year]* at *[place of execution],* Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. ＿＿＿＿＿and his/her Community Tax Certificate No.＿＿＿＿issued on＿＿at＿＿＿.

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

NAME OF NOTARY PUBLIC
Serial No. of Commission ＿＿＿＿＿＿＿
Notary Public for＿＿＿＿until＿＿＿＿＿
Roll of Attorneys No.＿＿＿＿＿＿＿＿
PTR No.＿＿＿＿*[date issued], [place issued]*
IBP No.＿＿＿＿*[date issued], [place issued]*

Doc.   No. Page
No. Book   No.
Series of ＿＿＿＿

* This form will not apply for WB funded projects.

**Republic of the Philippines
CIVIL AVIATION AUTHORITY
OF THE PHILIPPINES**

BAGONG PILIPINAS

CERTIFICATE OF SITE INSPECTION

This is to CERTIFY that _____, employee of

_____, has conducted

the required Site Inspection for the bidding of the Project "Supply, Delivery,

Installation and Commissioning of IT Network Infrastructure at CAAP

Various Airports including 1-Year Subscription of Internet Dedicated

Access" at _____ Airport.

Issued this _____, 2023

Airport Manager/Officer-In-Charge:

_____
Signature over Printed Name

Other Bidding Forms

(ANNEX "C")

AUTHORITY OF SIGNATORY
(SECRETARY'S CERTIFICATE)

I, a duly elected and qualified Corporate Secretary of (Name of the Bidder), a corporation duly organized and existing under and by virtue of the law of the, DO HEREBY CERTIFY, that:

I am familiar with the facts herein certified and duly authorized to certify the same;

At the regular meeting of the Board of Directors of the said Corporation duly convened and held on at which meeting a quorum was present and acting throughout, the following resolutions were approve, and the same have been annulled, revoked and amended in any way whatever and are in full force and effect on the date hereof:

RESOLVED, that*(Name of Bidder)*be, as it hereby is, authorized to participate in the bidding of*(Name of the Project)*by the*(Name of the Procuring Entity)*; and in that if awarded the project shall enter into a contract with the*(Name of the Procuring Entity)*and in connection therewith hereby appoints*(Name of Representative)*, acting as duly authorized and designated representatives of*(Name of the Bidder)*, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent*(Name of the Bidder)*in the bidding as fully and effectively as the*(Name of the Bidder)*might do if personally present with full power of substitution and revocation and hereby satisfying and confirming all that my said representative shall lawfully do or cause to be done by virtue hereof;

RESOLVED FERTHER THAT, the Board hereby authorized its President to:
   a. execute a waiver of jurisdiction whereby the *(Name of the Bidder)* hereby submits itself to the jurisdiction of the Philippine government and hereby waives its right to question the jurisdiction of the Philippine court;
   b. execute a waiver that the *(Name of the Bidder)* shall not seek and obtain writ of injunctions or prohibition or restraining order against the CAAP or any other agency in connection with this Project to prevent and restrain the bidding procedures related thereto, the negotiating and award of a contract to a successful bidder, and the carrying out of the awarded project.

WITNESS the signature of the undersigned as such officer of the said this.

(Corporate Secretary)

SUBSCRIBED AND SWORN to before me this day of, 20affiant exhibited to me his/her Community Tax Certificate No._____ issued on_____ _____at, Philippines.

Notary Public

Until 31 December 20_____
PRT No.: _____

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or

b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents
Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
Or

☐ (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,
and

☐ (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;
and

☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐ (e) 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 (Annex "A" Form 1); **and**

☐ (f) Statement of the bidder's Single Largest Completed Contract (SLCC) or 2 similar projects 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 (Annex "A" Form 2); **and**

☐ (g) 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 (Annex "B" Form 1);
and

☐ (h) Schedule of Requirements (Annex "B" Form 2)

☐ (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable (Annex "B" Form 3); **and**

☐ (j) Original duly signed Omnibus Sworn Statement (OSS) (Annex "B" Form 4); **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.

This shall include all of the following documents as attachment to the Omnibus Sworn Statement:

☐ 1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as

prescribed under the 2016 Revise Implementing Rules and Regulation (R-IRR) of RA No. 9184;

☐   2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; and

    3 . Bid Bulletins (if applicable)

☐   (k) . Certificate of Site Inspection
    Attachments to the Certificate of Site Inspection

    i. Copy of Company ID of the person who conducted the site inspection;
    ii. Copy of the facility visitor's logbook with the entry name of the person who conducted the site inspection; and
    iii. Picture of the proposed site including the personnel who conducted the site inspection together with the CAAP authorized representative.

Financial Documents

☐ (k) The Supplier's audited financial statements, 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**

☐ (l) 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

☐ (m) 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.

II. FINANCIAL COMPONENT ENVELOPE

☐ (n) Original of duly signed and accomplished Financial Bid Form; **and**

☐ (o) Original of duly signed and accomplished Price Schedule(s).

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

☐ (p) *[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.

☐ (q) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.