Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PHILIPPINE BIDDING DOCUMENTS

Purchase/Installation of AWOS for Puerto Princesa International Airport

BID NO. 25-102-11 BRAVO

Government of the Republic of the Philippines

_____________ 2025

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 maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

Section I. Invitation to Bid

INVITATION TO BID FOR PURCHASE/INSTALLATION OF AWOS FOR PUERTO PRINCESA INTERNATIONAL AIRPORT

1. The **Civil Aviation Authority of the Philippines (CAAP)**, through the *Corporate Operating Budget CY 2025-2026* ***intends*** to apply the sum of **Fifty-Three Million Nine Hundred Twenty-Eight Thousand One Hundred Twenty-Three Pesos and Twenty Centavos (₱53,928,123.20)** being the ABC to payments under the contract for the **Bid No. 25-102-11 Bravo.** Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The **CAAP** now invites bids for the above Procurement Project. Delivery of the Goods is required within **365 calendar days** upon Supplier's receipt of the Notice to Proceed. Bidders should have completed, within **five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

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

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

4. Prospective Bidders may obtain further information from CAAP BAC Secretariat and inspect the Bidding Documents at the address given below during 8:00am to 5:00pm from Mondays to Fridays.

5. A complete set of Bidding Documents may be acquired by interested Bidders **10 November 2025** until the deadline of submission of bids from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **₱50,000.00 (exclusive any and all taxes imposed by relevant government agencies).** The Procuring Entity shall allow the bidder to present its proof of payment for the fees to be presented in person.

6. The **CAAP** will hold a Pre-Bid Conference on **17 November 2025 @ 9:30 AM** through video conferencing or webcasting via Google Meet, which shall be open to prospective bidders.

MIA Road, Corner Ninoy Aquino Avenue, Pasay City, Philippines, 1300
+632 8246 4988 loc. 2236 | bac@caap.gov.ph | https://caap.gov.ph

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **03 December 2025 @ 9:30 AM**. Late bids shall not be accepted.

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

9. Bid opening shall be on **03 December 2025 @ 9:30 AM** at the given address below and/or via online conference thru Google Meet. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

10. 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.

11. Upon payment of the bid documents, bidders must provide their respective email addresses to the BAC Secretariat. All communications, including but not limited to Notices, Resolutions, and Replies, among others, will be sent to the email address provided by the bidder/s. The date when such email was sent shall be considered the date of receipt of the bidder/s for purposes of complying with the requirements under RA 9184.

12. Bidders must also check the PhilGEPS website, CAAP website, and BAC Secretariat for any bid bulletins and announcements related to the bidding.

13. For further information, please refer to:
    ENGR. LEANDRO R. VARQUEZ
    BAC, Head-Secretariat
    3rd Floor Supply, Procurement Building
    Civil Aviation Authority of the Philippines
    MIA Road corner Ninoy Aquino Avenue
    Pasay City, Metro Manila 1300
    Tel #: (02) 8246 4988 loc. 2236
    Email: **bac@caap.gov.ph**

ATTY. DANJUN G. LUCAS
Chairperson, Bids and Awards Committee Bravo

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Civil Aviation Authority of the Philippines**, wishes to receive Bids for the **Purchase/Installation of Automated Weather Observation System (AWOS) for Puerto Princesa International Airport**, with identification **Bid No. 25-102-11-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 CY 2025-2026 in the amount of *Fifty Three Million Nine Hundred Twenty Eight Thousand One Hundred Twenty Three Pesos and Twenty Centavos (₱53,928,123.20)*.

2.2. The source of funding is:

The CAAP Corporate Operating Budget CY 2025-2026 MYBA.

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

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the

Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

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

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the BDS, which shall not exceed twenty percent (20%) of the contracted Goods.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through video conferencing/webcasting as indicated in paragraph 6 of the **IB.**

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **Five (5) years** prior to the deadline for the submission and receipt of bids.

10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)** and in **BDS**.

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

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

12. Bid Prices

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

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

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

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

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

iv. The price of other (incidental) services, if any, listed in the **<u>BDS.</u>**

b. For Goods offered from abroad:

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

ii. The price of other (incidental) services, if any, as listed in the **<u>BDS</u>**.

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:

a. **Philippine Pesos.**

14. Bid Security

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

14.2. The Bid and bid security shall be valid within 120 calendar days from the date of 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 original copy of the first and second components of its Bid.

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

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

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

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

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

20. Post-Qualification

20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, 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

<table>
<tr><th>ITB Clause</th><th></th></tr>
<tr><td>5.3</td><td>For this purpose, contracts similar to the Project shall be:

Supply, Delivery, Installation, Integration, and Testing of AWOS Equipment.

Completed within the last 5 years prior to the deadline for the submission and receipt of bids.</td></tr>
<tr><td>12</td><td>The price of the Goods shall be quoted DDP at CAAP, Puerto Princesa International Airport, as defined in the latest International Commercial Terms (INCOTERMS).</td></tr>
<tr><td>12.1</td><td>Prices indicated on the Price Schedule shall be entered separately for goods offered from within Philippines and from abroad using the respective Price Schedule forms provided by the GPPB.

Incidental Services includes, if applicable, but are not limited to the following:

1. All expenses for the processing of permits and licenses shall be part of the price schedule of the equipment;
2. Provision of concrete base of field equipment, cables, grounding, surge protection and other additional or auxiliary electronic/electrical adapter, signal converters, connectors, components, fixtures, interface, fittings/mounting kits, cable management/cable trays/ladders etc., for the different equipment to meet operational and functional requirements. Prices for these incidentals shall be incorporated to the equipment listed in the BOQ of the Schedule of Requirements to which it is primarily related;
3. Importation Licenses / Permits;
4. Civil/Electrical Engineering Services and Installation costs;
5. Trainings;
6. Project Management Services;
7. As-Built Plans and Drawings;
8. Design Frangibility Certificates compliant to ICAO requirements (ICAO Doc. 9157, Part 6); and
9. Installation, Operational, Maintenance and other forms of Manuals and System & Circuit Diagrams.

Price schedules in the accomplished financial form shall be consistent with and referenced to all plans, designs and layouts as submitted in the technical bid proposal.</td></tr>
</table>

<table>
<tr><td>14.1</td><td>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:
<table>
<tr><th>Form of Bid Security</th><th>Amount of Bid Security
(Not less than the required percentage of the ABC)</th></tr>
<tr><td>a) Cash or cashier’s/manager’s check issued by a Universal or Commercial Bank.</td><td rowspan="2">₱ 1,078,562.47
Two percent (2%)</td></tr>
<tr><td>b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.</td></tr>
<tr><td>c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.</td><td>₱ 2,696,406.16
Five percent (5%)</td></tr>
</table>
</td></tr>
<tr><td>15</td><td>The Technical and Financial Components are requested to be submitted with properly marked index tabs and a Table of Contents, with the following requirements:
1. Every page should be initialed or signed by the Bidder’s duly authorized representative.
2. The documents should be sequentially paginated for the entirety of the envelope, using the format "Page x of y" where y represents the total number of pages in that specific envelope.
Each bidder should submit electronic copies of the first and second components of its bid (two (2) separate files) in Portable Document Format (PDF).</td></tr>
<tr><td>19.2</td><td>Partial Bid is not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation and contract award.</td></tr>
<tr><td>20.2</td><td>A. The Contractor shall be responsible for securing all necessary permits and appropriate licenses (e.g., Electrical/Civil work Permits, Permit to Import, NTC, Security Pass, other local permits, etc.) from respective offices that may be necessary for the installation of the equipment at site. The cost of acquiring such permits including its processing shall be borne by the Contractor.
B. Additional documents relevant to the project required by the CAAP to be submitted <u>during post-Qualification</u>:
1. Project implementation schedule (Gantt Chart);
2. Cash Flow by quarter;
3. For Non-OEM, Certificate of Exclusive or Authorized Distributorship issued by the Original Equipment Manufacturer (OEM) of supplied equipment;</td></tr>
</table>

4. Soft copies of the first and second components of its bid (two (2) separate files) in Portable Document Format (PDF) to be forwarded to **bac@caap.gov.ph** and **anppdd@caap.gov.ph** ; and,
5. For applicable items, the Bidder shall indicate (on a separate sheet using the form, Revised Annex A) the Brand, Type and/or Model/Version and Quantities/Unit of each of the proposed equipment/subsystems and ancillaries. This document shall be signed by the Bidder's authorized representative.
6. **Latest Income and Business Tax Returns** filed through the Electronic Filing and Payment System (EFPS);
7. Business licenses and permits required by law (PhilGEPS, Registration Certificate, Mayor's Permit, & Tax Clearance);
8. Latest Audited Financial Statement (AFS).
9. Proof of completio**n of the SLCC** as identified in the Statement of SLCC, which shall be a verifiable copy of the Contract, Purchase Order or Framework Agreement, and any of the following documents:
   (a) corresponding Sales Invoice/s;
   (b) Official Receipt/Cash Receipt/Collection Receipt; or
   (c) Certificate of Completion/ Certificate of Acceptance;
10. **Other evidence/s** of the bidder's statement of compliance to the specifications, as required under Section VII. Technical Specifications;
11. In case the **PhilGEPS Certificate of Registration** or any documents listed under its Annex A has expired after the bid opening, the bidder is required to submit the updated documents during the post-qualification stage.
12. (for Non-OEM) **Certificate of Exclusive or Authorized Distributorship** issued by the Original Equipment Manufacturer (OEM) of supplied equipment.
13. **Valid ISO 9001 and 14001 OEM Certificates** (or its internationally recognized equivalent).

NOTE: Documents submitted during post-qualification as part of the post qualification documents must be certified by the authorized representative to be true copy/ies of the original.

14. Per CAAP Memorandum dated 17 September 2018 re: Disqualification of Prospective Bidders with Pending Case against the Government in the procurement activities of the CAAP, all prospective bidders shall be required to submit the following:
   (a) A **Certification under oath attesting that they have no pending case(s) against the Government**, in addition to the eligibility requirements for bidders as prescribed under the Revised Implementing Rules and Regulations (Revised IRR) of RA 9184; and:

	(b) **Legal Clearance** issued by the CAAP Enforcement and Legal Service with respect to the non-pendency of any cases of prospective bidders against the CAAP.
21.1	No further instruction.

Section IV. General Conditions of Contract

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).**

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**.

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.

Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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

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.

Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

<table>
<tr><th>GCC Clause</th><th></th></tr>
<tr><td>1</td><td>
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:
[For Goods supplied from abroad] “The delivery terms applicable to the Contract are DDP delivered at Civil Aviation Authority of the Philippines, Air Navigation Service, Puerto Princesa International Airport, Puerto Princesa City, Philippines, 5300. In accordance with INCOTERMS.”
[For Goods supplied from within the Philippines] “The delivery terms applicable to this Contract are delivered at Civil Aviation Authority of the Philippines, Air Navigation Service, Puerto Princesa International Airport, Puerto Princesa City, Philippines, 5300. 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 site is:
JOHNNY A. MAHINAY
Contact No.: (0928) 351 7067 / (048) 433 4965
The Contractor shall be responsible for securing all necessary permits and licenses (e.g., Electrical/Civil work Permits, Permit to Import, NTC, Security Pass, other local permits, etc.) from respective offices that may be necessary prior to delivery of the equipment. The cost of acquiring such permits/licenses including its processing shall be borne by the Contractor.
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
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	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; 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. 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: 1. 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 2. 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 (or spare unit/s) and other components required are listed in **Section VI (Schedule of Requirements)** 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 **10 years**. Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 year of placing the order. The period for correction of defects in the warranty period is **within fifteen (15) days.**

	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 : Civil Aviation Authority of the Philippines** **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	This is a Turn-Key Project Payment will be after the issuance of Project Completion certificate by CAAP.
4	The inspections and tests that will be conducted are: a. Verification/Inspection of AWOS equipment and conformity to Contract Specification; b. Verification/Inspection of frangible mast erection/tilting, direct burial power cable laying, trenching and backfilling; c. Periodic inspections at site and Commissioning; d. Factory Acceptance Test (FAT) and Factory Training (FT) shall be conducted at the Original Equipment Manufacturer's factory prior to shipment to the Philippines; e. Conduct of site acceptance testing (refer to Item E of Section VII. Technical Specifications and Annex B, Meteorological Equipment Test Form) and site training shall be at CAAP, Puerto Princesa International Airport.

5	The Contractor/Supplier shall warrant the entire equipment, assemblies, software and related integration/site works for *one (1) year* ***Defect Liability Period (DLP)*** *(parts and service)* ***plus*** *one (1) year* ***Warranty Period*** *(parts and service)*. For items *(wind speed and wind direction sensor, barometric pressure sensor, relative humidity & temperature sensor, RVR and present weather sensors, radiation shield, connection and termination box, central computing system, data logging system, NEMA 4X stainless steel enclosure, meteorological software and configuration software, 19" cabinet rack, IT equipment (for LAN connectivity and workstations), wind panel displays, data panel displays, workstation units (for both the ATCT cab and ANS equipment room), 10 meters frangible mast complete with foundation kits, passive lightning rod, LED obstacle lights, UHF transceivers/modem communication radios, UHF directional antenna, UHF antenna cable, UHF frequency license, solar power system (as main power source), $12V_{DC}$/52Ah batteries, battery regulator/charger, over-voltage protection device, direct burial power cable, surge protection device, interface devices (if applicable), mounting kits, connectors, configuration tools and etc.)* with defects that occur within the Warranty Period and requiring the equipment to be shut down for repair/service, the Contractor/Supplier shall provide and deliver a service equipment with equivalent performance (and with PAGASA Calibration Certificate for sensors) as temporary replacement of a defective equipment (stated above)/parts in order to maintain continuous service to the Air Navigation Facility (ANF). The Contractor/Supplier shall describe the proposed support provisions within the DLP and Warranty period. The Contractor/Supplier shall ensure that all meteorological sensors maintain a valid calibration certificate throughout the Defect Liability Period (DLP) and Warranty Period **(total of two (2) years)** including the spares. Original Equipment Manufacturer's recommended calibration interval shall be the basis for the validity of the calibration certificate. The Contractor/Supplier shall submit an OEM issued guarantee that the availability of spare parts for the equipment supplied shall be at least 10 years after the Project acceptance. The period for correction of defects in the warranty period is *within fifteen (15) days.*

Section VI. Schedule of Requirements

Schedule of Requirements

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

Item Number	Description	Qty.	Unit	Delivered (Weeks/Months)
I	**Meteorological Sensor**	1	lot	**365 calendar days upon receipt of NTP.** **Delivery at:** **CAAP, Puerto Princesa International Airport, Puerto Princesa City, Philippines, 5300**
	Aviation Weather System complete with:			
	Wind speed and wind direction sensors (2 sets)			
	Temperature and relative humidity sensor (2 sets)			
	Digital barometric pressure sensor			
	Radiation Shield (for temperature and relative humidity sensor)			
	Shielded connection cables (minimum of 10 meters)			
	DOST-PAGASA Certification of Meteorological Sensors			
	Bird prevention kit and grounding kit			
	Operation, Maintenance, Technical manuals in English Language including diagrams			
	Accessories, Connectors, Configuration Tool & Mounting Kits			
II	**Runway Visual Range (RVR) System**	1	lot	
	Runway Visual Range (RVR) System complete with:			
	Transmissometer (transmitter and receiver unit)			
	Forward Scatter Visibility Meter			
	Present Weather Sensor			
	Background Luminance Sensor			
	Standard 30 meters baseline			
	2.5 meters mast			
	Backup battery			
	Obstruction lights			
	Connection and Termination Box			
	AC power supply			
	Software Configuration, Integration, Testing & Documentation			
	Mounting Hardware, Mounting Kits and Accessories			
	(including interface units & enclosure)			
	Lightning Arrester			
	Surge Protection Device, Cabling and Interface			
	Testing & Personnel Training			
III	**Cloud Height & Vertical Visibility Measuring System**	1	lot	
	Cloud height & Vertical visibility measuring system complete with:			
	Ceilometer			
	Optical Termination Hood			
	Foundation kits			
	Connection and Termination Box			
	AC power supply			
	Software Configuration, Integration, Testing & Documentation			
	Mounting Hardware, Mounting Kits and Accessories			
	Surge Protection Device, Cabling and Interface			
	Testing & Personnel Training			

IV	**Data Collection and Central Processing**	1	lot	
	Meteorological Data Collection Systems complete with:			
	Data Logging System (2 units) *(located at runway sensor sites, RWY09 and RWY24)*			
	Stainless steel enclosure - NEMA 4X compliant (3 units) *(located at control tower and runway sensor sites, RWY09 and RWY24)*			
	Connection and Termination Box			
	AWOS/Maintenance Workstation (3 units)			
	Automatic Terminal Information Service (ATIS) Workstation (1 unit)			
	Central Rack Server (AWOS server)			
	IT Equipment, LAN connectivity and conversion circuits for Fiber and RF transmission and reception			
	Maintenance Laptop			
	Transient Voltage Surge Suppressors (TVSS)			
	Uninterruptible Power Supply (UPS) with extra battery			
	Back-up external Hard disk drives (HDD), 2TB (2 units) *(workstation HDD and server HDD)*			
	Data transmission ready/capable to CNS/ATM Center			
	Meteorological software (AWOS, ATIS, and maintenance) with unlimited (perpetual) licenses			
	Software Configuration, Integration, Testing & Documentation			
	Mounting Hardware, Mounting Kits and Accessories			
V	**Telemetry Systems**	1	lot	
	UHF Radio Communication Systems complete with:			
	UHF Radio Transceiver/Modem (4 sets) *(2 for control tower, 1 for RWY27, 1 for RWY09)*			
	UHF Radio Combiner *or equivalent system*			
	UHF Directional Antenna Systems (4 sets) *(2 for control tower, 1 for RWY27, 1 for RWY09)*			
	UHF Antenna cable (*UHF radio to antenna)* (4 sets) *(2 for control tower, 1 for RWY27, 1 for RWY09)*			
	Surge Protection Devices			
	UHF Frequency Licenses (2 frequencies) *(use separate frequency for RWY27 and RWY09 sensor sites)*			
	Operation and Maintenance Manual			
	Accessories, Connectors & Mounting Kits			
VI	**Frangible 10 meters Mast with Lightning Protection and Obstacle Light**	1	lot	
	ICAO Compliant Frangible 10m Mast complete with:			
	Foundation kits with plywood box			
	Provision for lightning rod			
	Passive Lightning Rod			
	LED Obstacle Lights			
	Universal Mounting Arm for wind sensor			
	Accessories, Connectors & Mounting Kits			

VII	**Meteorological Equipment Power System**	1	lot	
	Meteorological equipment power source for 2 sensor sites complete with:			
	Solar Power System (Main Power Source) with automatic switchover to commercial power (backup power source)			
	$12V_{DC}$/52Ah (minimum) internal batteries			
	Battery regulator/charger			
	Battery fuse and over-voltage protection device			
	AC/DC power supply			
	Direct Earth Burial (DEB) power cable (see diagram) *(RWY27 site to GP and RWY09 to Powerhouse)*			
	Caution tape, yellow with black lettering, 300m/roll.			
	Surge Protection Device			
	Mounting Hardware, Mounting Kits and Accessories			
VIII	**Maintenance/Test Equipment and Spare Parts**	1	lot	
	Maintenance/Test Equipment and Spare Parts complete with:			
	ANS Service/Maintenance Laptop			
	Data/Communications Cable			
	Field calibrator for Present weather sensor			
	Field calibrator for Background luminance sensors			
	Field calibrator for Relative humidity and temperature sensors			
	Field calibrator for RVR transmitter and receiver			
	Configuration software, Simulation tools and licenses			
	Maintenance/Technical Personnel Training			
	Standard Spare Unit and Parts for the following group:			
	Data Collection and Central Processing System Group (Data Logger, Server and Workstation)			
	Spare unit and parts for Meteorological Weather Sensors Group (Wind, Temperature, Humidity, Pressure)			
	Spare unit and parts for Visibility Measuring Sensors Group (Ceilometer, RVR, Forward Scatter Visibility, Present Weather and Background luminance)			
	Spare unit and parts for Telemetry Group (UHF Radio modem TX and RX, and directional antenna)			
IX	**Delivery, Installation, Integration, Acceptance Testing and Training**	1	lot	
	Delivery, Installation (with cable laying), Integration with existing VHF ATIS Radio and connectivity ready to Manila CNS-ATM Center.			
	Acceptance Testing a. Factory Acceptance Testing (FAT) (2 ANS representatives) b. Site Acceptance Testing			
	Equipment Training a. Factory Training (FT) (5 ANS participants, including 1 from ANPPDD) b. Site/Facility Training			
	Commissioning			

NOTE:

1. *Refer to Technical Specifications for complete details.*

Section VII. Technical Specifications

Technical Specifications

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

The Bidder shall also indicate the appropriate reference section including its page number in documents submitted to support the compliance statement indicated in the table of Technical Specifications. The Bidder shall indicate "Will Supply" if items required are to be supplied by the Bidder with corresponding prices indicated in the Financial Proposal.

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
A	**GENERAL REQUIREMENT**		
A.1	The Civil Aviation Authority of the Philippines (CAAP) intends to procure and install new aviation meteorological equipment and other ancillaries for Puerto Princesa Airport in accordance with International Civil Aviation Organization (ICAO) Standards and Recommended Practices (SARPs). This project will specifically include a new Automated Weather Observing System (AWOS) that complies with (or exceeds) the meteorological sensor performance specifications of **ICAO Annex 3** and integrate it with the existing Aerodrome Terminal Information Service (ATIS) VHF radio.		
A.2	Construction design drawings and installation plans shall be submitted after the award of Contract for approval of CAAP *(design review)* prior to its installation/ implementation.		
A.3	For non-OEM bidders (whether sole or JV partner), the CAAP requires that the bidder is an exclusive or authorized distributor of the meteorological equipment.		
A.4	The CAAP requires the equipment supplied by the contractor shall be brand-new and of latest version/model.		
A.5	The prospective bidder may conduct site survey prior to purchase of the bidding documents. Provided, the prospective bidder shall inform the Air Navigation Operation Department (ANOD) of the Air Navigation Service (ANS) prior to its conduct.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
A.6	The prospective bidders shall submit their Site Inspection/Survey schedule, along with the name(s) of the person(s) conducting the site survey/inspection, to the CAAP Air Navigation Service (ANS) through the Air Navigation Operation Department for proper coordination with the ANF.		
A.7	The winning bidder shall be required to submit a Cash-Flow Statement. The said document shall be submitted together with the construction drawings for approval before the start of project implementation.		
A.8	The contractor shall assure that the supplied Meteorological (MET) System including subsystem are operational & functional and that no equipment is left non-operational or subject for replacement. **Failure to do so shall be subject for immediate replacement of the defective unit or non-acceptance of the project.**		
A.9	The Meteorological (MET) Instrument shall be of aeronautical standard type. The bidder shall submit appropriate references to support the compliance statement indicated including but not limited to the following:		
(a)	**International Certifications** of the Company/OEM for Quality Management System; Standard/s : ISO 9001 *and* ISO 14001 or their equivalents;		
(b)	**International Certifications** of the field equipment/ sensors; Rating/s : IP65 (or better) or equivalent, *and* Standard/s : ISO 2997/ASTM B117/JIS Z 2371 or equivalent (*or better, e.g., ASTM G85, MIL-STD-810H (509.7), ISO 12944-6 or ISO 20340*)		
(c)	**Calibration Certificates and/or Test Reports** of all the meteorological sensors must be sourced from **PAGASA** or from any **ISO/IEC 17025** accredited testing and calibration laboratory (including the OEM). ISO/IEC 17025 Certificate of Accreditation of the laboratory must accompany the Test Report. Certificates must be valid up to the commissioning date, otherwise refer to items G.4 and G.5 of this section.		
(d)	**Certificate of Exclusive or Authorized Distributorship** issued by the Original Equipment Manufacturer (OEM) of the supplied equipment;		
(e)	**Frangibility Compliance Certificate** of the mast from an internationally recognized certification agency (such as TÜV, Intertek, SGS or equivalent);		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
(f)	Latest official **OEM Equipment Technical Specification, Characteristics and/or Sales Materials** that reflect all performance and functional specifications of their proposed equipment;		
(g)	**OEM issued guarantee** that the availability of spare parts for the equipment supplied shall be at least **Ten (10) years** after the project acceptance.		
A.10	The scope of the project shall be supply, delivery, installation and perform testing of AWOS system/ equipment/sensors including the supply of necessary subsystem and components for MET system as specified in **Section VI. Schedule of Requirements**.		
A.11	The following documents shall be submitted together with the Technical Proposal:		
(a)	System Interconnection Design Diagram signed and sealed by a Professional Electronics Engineer (PECE);		
(b)	Siting/Location Plan (Wind Sensors, Temperature and Relative Humidity Sensors, Mast and Cable Layout plan) and shall indicate their distance with respect to the runway centerline and/or control tower/FSS Building. The document shall be signed and sealed by a PECE;		
(c)	Detailed equipment or Cab room layout plan of AWOS equipment & other subsystems to be installed only and shall be signed and sealed by a PECE;		
(d)	Power/Electrical/Grounding and Cabling System Design Plan including electrical system single line diagram signed by a Professional Electrical Engineer (PEE);		
(e)	Project Gantt Chart (365 calendar days);		
(f)	Original latest versions of OEM Equipment Technical Characteristics/Specifications, Manuals and Brochures of proposed products;		
(g)	Copy of the PRC Certificate or a clear photocopy of PECE and PEE License of the signing PECE/PEE;		
(h)	Copy of PTR of the signing PECE and PEE;		
(i)	Certificate of Good Standing from an Accredited Professional Organization of the signing PECE and PEE;		
(j)	Certificate of Site Inspection (*see Item H.4 of this section*).		
A.12	The contractor shall facilitate and shoulder the cost of facilitation, registration and permits of UHF frequency license as per NTC regulation under the name of CAAP. The following UHF frequencies are to be used for MET: • 404.2 MHz (Site 1) • 404.8 MHz (Site 2)		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
A.13	The contractor shall supply all the necessary bushing, grounding kits and passive lightning rods to prevent the aviation meteorological system from damages produced by lightning strikes.		
A.14	The contractor shall provide all the necessary connectors, mounting accessories and other ancillaries, interface cards, modules and/or data conversion circuit for the entire system.		
A.15	The contractor shall supply a service communication cable *(e.g., RS485, RS232, etc.)* that is at least two (2) meters in length and fully compatible with the sensors to interface them with the ANS maintenance laptop.		
A.16	Proper cable management and cable labelling/tagging shall be strictly enforced. The contractor shall provide documentation indicating the label, locations and terminations of the cables for purposes of installation activities by ANS.		
A.17	The contractor shall provide a (sticker) nameplate attached to the body of the equipment which clearly states the following labels: a. Civil Aviation Authority of the Philippines (CAAP) b. Name/type of Equipment c. Date of Acceptance (mm/dd/yyyy format) d. Location/Site/Facility e. Name of Contractor		
A.18	The nameplate shall be attached to the body of the unit using adhesives. The contractor shall assure that the attached nameplate shall last for the next five years regardless of continuous operation of the equipment or not.		
A.19	A warranty seal (sticker) containing the date accepted, warranty period and properly signed by the authorized representative shall be attached to the body of the instruments.		
A.20	The Acceptance Testing of meteorological instrument shall serve as proof and assurance that the meteorological equipment supplied by contractor is of its highest performance, reliability and availability.		
A.21	The bidder shall explain any deviation from the specification giving the rationale/benefit of offering such new technologies. The explanation shall be supported by references and shall not be of lesser or lower quality or performance to meet the objective of the project.		
A.22	The CAAP shall have the full authority to inspect, recommend, accept and reject materials and workmanship that will be found to be below the required minimum specifications and Philippine Standards.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B	**METEOROLOGICAL INSTRUMENTS**		
B.1	**Meteorological Weather Sensor**		
B.1.1	**Ultrasonic Wind Speed and Wind Direction Sensors**		
B.1.1.1	**Performance Requirement**		
B.1.1.1.1	The contractor shall supply a brand new, robust, maintenance-free, corrosion-resistant, and highly reliable ultrasonic wind sensor. The sensor must have a clear physical north indication and an ingress protection rating of IP65 or higher. A manufacturer-approved mount (e.g., a cross arm) shall be supplied to securely attach the sensor to the mast.		
B.1.1.1.2	The supplied ultrasonic wind sensor shall be capable of providing simultaneous measurements of wind speed and direction.		
B.1.1.2	**Functional Specification**		
B.1.1.2.1	Wind Speed Sensor (ultrasonic type)		
B.1.1.2.1.1	Measuring range : 0 - 75 m/s		
B.1.1.2.1.2	Accuracy : ± 0.5 m/s or less		
B.1.1.2.1.3	Resolution : ≤ 0.5 m/s		
B.1.1.2.1.4	Starting Threshold : ≤ 0.1 m/s		
B.1.1.2.1.5	Units : m/s, knots, mph, km/h		
B.1.1.2.2	Wind Direction Sensor (ultrasonic type)		
B.1.1.2.2.1	Measuring range : 0°...360° or 0°...359°		
B.1.1.2.2.2	Accuracy : ± 5° or less		
B.1.1.2.2.3	Resolution : ≤ 1°		
B.1.1.2.2.4	Units : degrees		
B.1.2	**Thermometer and Hygrometer (Temperature and Relative Humidity Sensors)**		
B.1.2.1	**Performance Requirement**		
B.1.2.1.1	The contractor shall supply reliable and high stability temperature and relative humidity sensor that can withstand harsh environmental conditions with ingress protection rating of IP65 or better.		
B.1.2.1.2	The contractor shall supply a maintenance-free, UV-proof, naturally ventilated/aspirated, **radiation shield** that will serve as protection from scattered & direct sun exposure, precipitation and help achieve maximum performance of the sensor.		
B.1.2.1.3	The contractor shall supply a service communication cable [minimum of two (2) meters in length] that shall be able to interface the temperature & relative humidity sensor to a PC/laptop using USB port, and a Windows 11 compatible non-expiring licensed maintenance software in USB drive.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
	The contractor shall assure that the supplied service communication cable shall be fully compatible and/or of the same brand of the sensor.		
B.1.2.2	**Functional Specification**		
B.1.2.2.1	Relative Humidity Sensor		
B.1.2.2.1.1	Measurement range : 0 – 100% RH		
B.1.2.2.1.2	Accuracy (%) : ±1.5% or better		
B.1.2.2.2	Runway Surface Temperature Sensor		
B.1.2.2.2.1	Measurement range : 0°C– 60°C or wider range		
B.1.2.2.2.2	Sensor type : Pt100 RTD or better		
B.1.2.2.2.3	Accuracy (°C) : ±0.2° at (20°– 40°) or better		
B.1.3	**Barometer (Barometric Pressure)**		
B.1.3.1	**Performance Requirement**		
B.1.3.1.1	Interface : USB, ethernet, or a comparable port		
B.1.3.1.2	Enclosure : NEMA 4 or equivalent.		
B.1.3.1.3	The contractor shall assure that the enclosure shall be properly sealed and the opening of the sensor shall be free from any foreign object intrusion.		
B.1.3.1.4	The contractor shall supply a digital barometer containing multiple sensors to ensure reliability and redundancy.		
B.1.3.2	**Functional Specification**		
B.1.3.2.1	Barometer		
B.1.3.2.1.1	Measurement range : 800 – 1100 hPa or wider range		
B.1.3.2.1.2	Resolution : ≤ 0.01 hPa or better		
B.1.3.2.1.3	Accuracy : **<** ±0.1 hPa		
B.1.3.2.1.4	Pressure Fitting : barbed or any standard fitting type, providing a leak-tight connection and rated to withstand 800 – 1100 hPa or wider range.		
B.1.3.2.1.5	Pressure Units : hPa and inHg		
B.1.3.2.1.6	Operating Temperature Range : 0°C – 60°C or wider range		
B.1.4	**Runway Visual Range (RVR) System**		
B.1.4.1	**Performance Requirement**		
B.1.4.1.1	The Contractor shall supply an RVR system that measures visibility, background light, and runway light intensity to determine how far a pilot can see along the runway.	Note to Bidder	
B.1.4.1.2	The Contractor shall supply all necessary components and subsystems required for a complete Runway Visual Range (RVR) system. All equipment and subsystems shall be designed to withstand harsh environmental conditions.	Note to Bidder	

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.1.4.1.3	The RVR system shall permit manual setting of runway lights to maximum intensity when automatic control is unavailable, and the equipment mast shall be fitted with an obstruction light in accordance with ICAO Annex 3, Doc 9328, and Annex 14.		
B.1.4.1.4	The RVR system shall include appropriate protection measures to safeguard it from the damaging effects of lightning strikes. Any effective protection method by the OEM may be used, provided it ensures the integrity of the system. Horizontal visibility and background luminance sensors shall likewise be protected against lightning and electrical surges. The Contractor shall supply and install all required protection devices.		
B.1.4.1.5	The contractor shall supply a present weather sensor that can measure the precipitation.		
B.1.4.1.6	The horizontal visibility and background luminance sensor shall be installed near the touchdown zone of the precision approach runway and integrated with the meteorological sensor site for data consolidation and transmission to the ANS maintenance room.		
B.1.4.1.7	The contractor shall provide a calibration kit for the horizontal visibility and background luminance sensors and install the sensors on a frangible mast with a minimum height of 2.5 meters.		
B.1.4.1.8	The aviation frangible mast of the RVR system shall be painted in red and white, or orange and white stripes, in accordance with the manufacturer's specifications.	Note to Bidder	
B.1.4.1.9	Power and data cables for the RVR system equipment shall be routed through existing conduits and manholes.	Note to Bidder	
B.1.4.1.10	The base frames of the RVR system shall be aligned or equal to the threshold elevation of the precision approach runway.	Note to Bidder	
B.1.5	**Cloud Height & Vertical Visibility Measuring Systems**		
B.1.5.1	**Performance Requirement**		
B.1.5.1.1	The contractor shall supply a cloud base height and vertical visibility measuring equipment capable of measuring the cloud amount, cloud type and height of the cloud base relevant to the aeronautical operation.		
B.1.5.1.2	The contractor shall supply a cloud base height and vertical visibility equipment capable of measuring cloud height for minimum range of 0 feet to 20,000 feet or higher range.		
B.1.5.1.3	The supplied cloud measuring equipment shall use laser light detection and ranging system (LIDAR) technology or higher technological approach.		
B.1.5.1.4	The cloud base height measuring equipment shall be highly reliable and can withstand harsh environmental condition.	Note to Bidder	

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.1.5.1.5	The supplied cloud base height and vertical visibility measuring equipment shall be enclosed inside a shield which shall serves as protection against direct sunlight exposure and foreign object.		
B.1.5.1.6	The power and data cable used in the cloud measuring and vertical visibility measuring systems equipment shall be routed through existing conduits and manholes.	Note to Bidder	
B.1.5.1.7	The base frames of the cloud base height and vertical visibility measuring equipment shall be aligned or equal to the threshold elevation of the precision approach runway.	Note to Bidder	
B.2	**Data Collection and Central Processing System**		
B.2.1	**Meteorological Data Logging Equipment**		
B.2.1.1	**Performance Requirement**		
B.2.1.1.1	The contractor shall supply a robust, high-performance, low-power, and compact data logging system that ensures data integrity and is secured against loss, corruption, or malicious behavior		
B.2.1.1.2	The data logging system shall be capable of collecting, storing and pre-processing the raw data from all of the sensors, and transmitting it for subsequent post-processing and data display.		
B.2.1.1.3	The contractor shall provide electrostatic discharge ESD protection for the circuit board and/or data logging system.		
B.2.1.1.4	The data logging system shall operate on a dual-power system, with the solar PV system as the primary power source and secondary source consisting of AC/local supply and backup battery.		
B.2.1.1.5	The contractor shall provide transient protection for each sensor input of the data logging system. This protection shall be achieved using a varistor or an equivalent technology.		
B.2.1.1.6	The data logging system shall be installed in a NEMA 4X (*or equivalent i.e., IP65 with corrosion resistance*) stainless-steel enclosure with a powder-coated finish. The enclosure shall also house the battery, battery regulators, over-voltage protection device, radio modems, surge protection device, and all other vital ancillary equipment.		
B.2.1.1.7	The contractor shall supply a data logging system that includes a manual reset function to be used in the event of abnormal or inappropriate system operation.		
B.2.1.1.8	The data logging system shall be capable of interfacing with UHF communication radios and the existing fiber optic cable to provide redundant data transmission to the AWOS server.		
B.2.1.1.9	The enclosure shall use DIN rails for easy mounting and placement of equipment, proper tagging and labeling of the connection wires inside the enclosure must be strictly observed.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.1.2	**Functional Specification**		
B.2.1.2.1	Data Logging Equipment		
B.2.1.2.1.1	Inputs : ≥ 10 analog/digital channels		
B.2.1.2.1.2	Memory : ≥ 2MB *(RAM)* and ≥ 1MB *(built-in non-volatile memory/program)*		
B.2.1.2.1.3	Serial Ports : ≥ 1 RS232 and/or ≥ 1 RS485 *(optional)*		
B.2.2	**Central Processing System**		
B.2.2.1	**Performance Requirement**		
B.2.2.1.1	The contractor shall supply a Central Processing System (AWOS server) for data acquisition from the runway sensor sites, which must be capable of generating meteorological data reports in both **TAC** and **IWXXM** (version 2023-1 or later) formats for remote display, monitoring and maintenance.		
B.2.2.1.2	The contractor shall provide the AWOS server in a **fully redundant configuration**, utilizing the designated spare unit as the active standby system, with automatic failover to the standby system upon detection of any anomaly or failure.		
B.2.2.1.3	The server shall be capable of storing at least twelve (12) months of weather information in comma-separated value (CSV) file format. Each CSV file shall consist of daily weather information logged at regular intervals of one minute from 00:00 to 23:59. The filename of which shall reflect the current date and shall be stored on a folder of the current month.		
B.2.2.1.4	All site configuration files, tools, software and documentation shall be provided by the contractor in a folder on the server.		
B.2.2.1.5	The server shall be safeguarded against malware and data corruption.		
B.2.2.1.6	The data collecting system shall be located at the runway sensor sites while the central processing system shall be located at the ANS equipment room.		
B.2.2.1.7	Server connectivity shall be provided to the following over dedicated IP network segments: RF Link (Site1 and RF Site2), FOC Link (Site1 and Site2), ATIS Radio (main and standby), WS1, WS2, WS3, WS4, CNS/ATM Center and PAGASA Station.		
B.2.2.1.8	The server shall be transmission-ready, capable of establishing AMHS and AIXM secure data links to the CNS/ATM Center (CAAP, Manila) and Observer's Workstation at PAGASA Station (Puerto Princesa City).		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.2.1.9	The server may be installed on the existing AWOS cabinet rack. If space in existing AWOS cabinet is insufficient, the contractor shall supply an OEM approved cabinet rack/enclosure, sized according to supplied systems with the following preferences:		
B.2.2.1.9.1	Minimum of two (2) exhaust fans mounted on top.		
B.2.2.1.9.2	Detachable vented swing backdoor with push lock.		
B.2.2.1.9.3	The front door of the cabinet rack is preferably constructed of a transparent material such as flexible glass;		
B.2.2.1.9.4	Detachable vented side panels.		
B.2.2.1.9.5	The cabinet rack shall have provision for the required electrical outlet and power strip fuses rated for the purpose.		
B.2.2.2	**Functional Specification**		
B.2.2.2.1	Central Processing System (Server)		
B.2.2.2.1.1	Operating System : Licensed Operating System		
B.2.2.2.1.2	Processor Clock Speed : ≥ 3 GHz		
B.2.2.2.1.3	HDD Capacity : at least two (2) 1TB, 7200rpm, SATA hot swappable drives (in RAID 1); and : one (1) 2TB or two (2) 1TB, 7200rpm, SATA drive as backup.		
B.2.2.2.1.4	RAM : ≥ 16 GB, DDR4 (or better)		
B.2.2.2.1.5	RAID Controller : capable of RAID 1 *(mirroring)*		
B.2.2.2.1.6	Display : Tray type HD, matte LCD Monitor		
B.2.3	**Workstation**		
B.2.3.1	**Performance Requirement**		
B.2.3.1.1	The contractor shall provide workstations for AWOS and ATIS (weather display, system maintenance, and monitoring) for use by ANS Technical Personnel and Air Traffic Controllers.		
B.2.3.1.2	The Workstation Units shall be installed in two locations: • ATC Cab Room (3 units); *and* • ANS Equipment Room (1 unit).		
B.2.3.1.3	The workstation units in the ATC Cab Room shall be configured for the following ATC positions: Unit 1 : Weather Information Display for Approach position; Unit 2 : Weather Information Display for Aerodrome position; Unit 3 : ATIS and METAR Workstation for Coordinator position. The workstation units shall have limited access credentials without configuration privileges.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.3.1.4	The workstation (Unit 4) installed in the ANS Equipment Room shall have full access privileges, allowing authorized personnel to monitor, modify, adjust and configure critical AWOS settings.		
B.2.3.1.5	Each Workstation Unit must be equipped with AWOS and ATIS software (or an equivalent meteorological application) with unlimited and perpetual licenses.		
B.2.3.1.6	Each Workstation Unit shall be interchangeable should one require maintenance.		
B.2.3.2	**Functional Specification**		
B.2.3.2.1	Operating System : Licensed Operating System		
B.2.3.2.2	Processor Clock Speed : ≥ 2.5 GHz		
B.2.3.2.3	Hard Disk Drive : ≥ 2TB SATA 7200rpm		
B.2.3.2.4	RAM : ≥ 16 GB, DDR4 (or better)		
B.2.3.2.5	Graphics Card : ≥ 2GB video card with HDMI port		
B.2.3.2.6	Display : ≥ 20" IPS HD, matte LCD Monitor, viewing angle ≥ (170°H,170°V), static contrast ratio ≥ 1000:1 (*Monitor must fit in existing provision for AWOS display on the ATC console*)		
B.2.3.3	The contractor shall deliver one (1) backup drive for the AWOS workstation units (≥ 2TB SATA 7200rpm) that is configured and ready for use.		
B.2.3.4	The contractor shall deliver and endorse the workstation configuration files, software tools, and documentation in a USB drive to the ANS-FIC.		
B.2.4	**Maintenance Laptop**		
B.2.4.1	**Performance Requirement**		
B.2.4.1.1	The contractor shall supply one (1) laptop for field maintenance use.		
B.2.4.1.2	The supplied maintenance laptop for use by ANS shall contain highest level of access credentials and all the privileges to modify, adjust and alter MET critical configurations and settings.		
B.2.4.1.3	The maintenance laptop shall contain meteorological software with perpetual/unlimited license to access, monitor, maintain and configure the sensors, data logger, radio modem.		
B.2.4.1.4	All necessary meteorological software and installers shall be endorsed to the ANS Project Implementation Department by the contractor.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.4.1.5	All site configuration files (for sensors, radio, data logger, routers/switches, etc.), maintenance tools, softwares and documentations (i.e. drawing, plans, layouts, manuals, etc.) shall be provided by the contractor in a folder in the laptop and USB drive as part of the delivery. Failure to do shall result to non-acceptance of the project.		
B.2.4.2	**Functional Specification**		
B.2.4.2.1	Laptop		
B.2.4.2.1.1	Operating System : Licensed Operating System		
B.2.4.2.1.2	Processor Clock Speed : ≥ 3.0 GHz		
B.2.4.2.1.3	Drive/Storage : ≥ 512GB, SSD		
B.2.4.2.1.4	RAM : ≥ 16 GB, DDR4 or better		
B.2.4.2.1.5	Screen Resolution : 1920x1080 or better		
B.2.4.2.1.6	Display/Screen Size : ≥ 14”, viewable outdoors		
B.2.4.2.1.7	Accessories : Carrying bag, power adaptor, USB optical mouse, cables/connectors/ interfaces necessary to connect with the Data Logger/MET sensors for maintenance use.		
B.2.5	**Transient Voltage Surge Suppressor (TVSS)**		
B.2.5.1	**Functional Specification**		
B.2.5.1.1	The contractor shall supply a Transient Voltage Surge Suppressor (TVSS) device that will divert the excess voltage and current from transient/surge into grounding wire and prevents it from flowing through the electrical and electronic equipment while at the same time allowing the normal voltage to continue along its path.		
B.2.5.1.2	The surge protection device provided shall have minimum current handling capacity of 30kA or as per OEM design.		
B.2.5.1.3	The contractor shall supply transient surge protection device per rack/enclosure that will serve as power line protection of the equipment.		
B.2.6	**Uninterruptible Power Supply (UPS)**		
B.2.6.1	**Performance Requirement**		
B.2.6.1.1	The contractor shall supply uninterruptible power supply (UPS) that shall provide battery backup when the electrical power fails or drops to an unacceptable voltage level.		
B.2.6.1.2	The UPS shall have audible alerts to alarm below performance such as low battery, etc.		
B.2.6.1.3	The UPS shall have a control console or a multi-function LCD display which indicates the status of the voltage level of battery, voltage level of AC source and other controls of the UPS.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.6.1.4	The contractor shall properly observe the minimum number of the UPS for this project: <table><tr><th>Equipment</th><th>Number of UPS</th></tr><tr><td>1. Central Processing System/Server</td><td>1 unit</td></tr><tr><td>2. ATC Cab room Workstation Units</td><td>3 units</td></tr></table>		
B.2.6.2	**Functional Specification**		
B.2.6.2.1	UPS		
B.2.6.2.1.1	Output capacity : ≥ 900 Watts/1.5KVA		
B.2.6.2.1.2	Output frequency : 60Hz, pure sine wave		
B.2.6.2.1.3	Input voltage : 220 V ±10% or wider tolerance		
B.2.6.2.1.4	Input Frequency : 60Hz ±3Hz (auto sensing)		
B.2.6.2.1.5	Backup duration : ≥ 25 minutes		
B.2.6.2.1.6	Battery type : maintenance free, VRLA (sealed lead-acid)		
B.2.7	**Lightning Protection Device**		
B.2.7.1	**Performance Requirement**		
B.2.7.1.1	The contractor shall supply one (1) lightning protection device (for each mast) that is capable of protecting the sensors from the runway site and the UHF antenna at the ATC control tower.		
B.2.7.1.2	The contractor shall provide a lightning protection device and a separate/dedicated grounding wire.		
B.2.7.1.3	The contractor shall supply lightning protection device that shall serve as protection against lightning strikes and prevent the weather sensors and other vital ancillaries from damage.		
B.2.7.1.4	The contractor shall provide a dedicated, tinned-copper wire to serve as a direct path for high-current lightning strikes to the ground. This wire must be highly isolated from the aviation mast structure, weather sensors, and other vital equipment at the runway sensor site.		
B.2.7.1.5	The contractor shall assure that the supplied lightning protection device shall be able to either prevent lightning strikes or handle multi-strikes without being damaged.		
B.2.7.1.6	The contractor shall supply at least three (3) grounding rods designed for installation at 120° radial separation.		
B.2.7.1.7	The supplied lightning protection device shall be rated with minimum ingress protection rating IP65 that will serve as protection against extreme weather conditions.		
B.2.7.1.8	The lightning protection device to be supplied must have mounting brackets for installation on the top-most portion of the aviation frangible mast and designed to handle local wind loads.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.2.8	**Obstruction Lights**		
B.2.8.1	**Performance Requirement**		
B.2.8.1.1	The contractor shall supply LED obstruction light that shall serve as collision avoidance lighting systems, protecting the mast/structure and the passing aircraft from collision especially during night operation.		
B.2.8.1.2	The obstruction lights shall have a colorless glass cover and protected against severe weather condition by an Ingress Protection (IP) 65 or higher protection.		
B.2.8.1.3	The obstruction lights shall be installed on the top portion of frangible aviation mast and shall be able to handle wind load in their respective ANF facility at installation.		
B.2.8.1.4	The minimum number of obstruction light shall be two (2) units per runway sensor site.		
B.2.8.1.5	The obstruction lights shall be equipped with a cable gland to enable daisy-chaining of multiple units without the need for external distribution boxes.		
B.2.8.1.6	The LED obstruction lights shall be photo-controlled to automatically illuminate when ambient light levels fall below a specified threshold.		
B.2.8.2	**Functional Specification**		
B.2.8.2.1	Obstruction Light (Low-Intensity)		
B.2.8.2.1.1	Light Source/Type : LED (Light-Emitting Diode)		
B.2.8.2.1.2	Color/Signal : Red/Fixed (steady-burning)		
B.2.8.2.1.3	Radiation Pattern : 360°, Horizontal		
B.2.8.2.1.4	Luminous intensity : ≥ 32 cd (candela)		
B.2.8.2.1.5	Compatibility : ICAO Type B (or equivalent) : NVG (Night Vision Goggles) compatible		
B.2.9	**Surge Protector**		
B.2.9.1	**Performance Requirement**		
B.2.9.1.1	The contractor shall supply a lightning surge protector for each mast sites that can give protection against dangerous surge signals on coaxial lines.		
B.2.9.1.2	The contractor shall supply a lightning surge protector complete with gas discharge tube and spare gas discharge tubes.		
B.2.9.1.3	The lightning surge protection device shall be installed at the cable before the antenna of the UHF transceiver radio/modem.		
B.2.9.1.4	The supplied surge protector shall have an ingress protection rating of IP65 or better.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.3	**Telemetry Systems**		
B.3.1	**Performance Requirement**		
B.3.1.1	The contractor shall supply a telemetry system that serves as the primary communication protocol for transferring raw meteorological data from the runway sensor sites to the Air Navigation Facility (ANF) equipment room for post-processing and distribution. The proposed system must be fully redundant to ensure high availability and data integrity.		
B.3.1.2	The supplied telemetry system shall include all necessary components for a complete and operational setup designed for continuous duty. The system components shall be robust enough to withstand exposure to light to moderate rain and wind.		
B.3.1.3	**Fiber Optic Cable (Primary Link)**		
B.3.1.3.1	The system shall utilize the **existing fiber optic link** as the primary communication link. This link must be capable of providing a reliable and low-latency data path between the sensor sites and the ANF equipment room.		
B.3.1.3.2	The system shall include all necessary fiber optic transceivers, connectors, and splice enclosures for a complete installation.		
B.3.1.4	**UHF Radio Transceiver (Secondary Link)**		
B.3.1.4.1	A UHF radio transceiver shall be supplied for each runway sensor site and the control tower. This radio system will function as the hot-standby secondary link.		
B.3.1.4.2	The telemetry system's UHF radios must not cause interference or undesirable noise to aeronautical frequencies, including those used for communication and navigation aids.		
B.3.1.4.1	The contractor shall supply all necessary accessories, including antennas, antenna cables, brackets, and a UHF radio combiner or equivalent technology to integrate all received inputs at the ANF equipment room. The system shall be installed with a fully redundant backbone at the receiving end, ensuring maximum reliability.		
B.3.1.4.2	The contractor shall supply a complete set of UHF transceiver radio designed for installation at the runway sensor sites and ATC control tower. The backbone at receiving end *(ATC control tower)* shall be fully redundant.		
B.3.1.4.3	The contractor shall supply a UHF radio combiner or its equivalent technology that shall be used to integrate all the received inputs or raw data from runway sensor sites.		
B.3.1.4.4	The contractor shall supply all the necessary accessories for the operation of the telemetry system including antenna cables, brackets, etc.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.3.1.4.5	The contractor shall supply directional antenna for use at sensor sites and tower.		
B.3.1.4.6	The contractor shall assure that the supplied telemetry system shall not be affected by light to moderate rains and/moderate wind.		
B.3.1.4.7	The contractor shall assure that the supplied UHF radios *(telemetry system)* of the meteorological system shall not cause interference and undesirable noise to the aeronautical frequency *(communication and navigational aids)*.		
B.3.1.1	The supplied telemetry system shall be configured for Simultaneous Transmission (Active/Active) to must meet the core requirement for uninterrupted data flow and seamless failover:		
B.3.1.1.1	This configuration utilizes both the fiber optic and UHF Radio links simultaneously.		
B.3.1.1.2	The system shall transmit identical data concurrently over these two independent data links.		
B.3.1.1.3	The receiving equipment/server must incorporate a packet de-duplication mechanism to eliminate redundant data packets received from the two links.		
B.3.1.1.4	The system's processing logic shall prevent data corruption or out-of-order delivery.		
B.3.1.1.5	The system shall use a real-time data selection algorithm to choose the best available data stream based on parameters like latency and data integrity (e.g., checksum, CRC).		
B.3.1.1.6	In the event of a failure of one link, the system shall seamlessly maintain data flow through the remaining operational link without any service degradation.		
B.3.1.2	At the receiving end, the system shall prioritize data from the fiber optic link. Data from the UHF radio will only be processed and used when the primary FOC link is confirmed as non-operational. The system shall use a logic that verifies the integrity of the data from the FOC before accepting any data from the UHF radio.		
B.4	**Frangible 10 meters Aviation Mast**		
B.4.1	**Performance Requirement**		
B.4.1.1	The contractor shall supply a durable, frangible, **lattice mast** suitable for a coastal environment to support the AWOS sensors.		
B.4.1.2	The mast shall be certified as frangible and fully compliant with ICAO Annex 14.		
B.4.1.3	The bidder shall submit a manufacturer's certificate and test reports to certify the mast's frangibility and compliance with ICAO Annex 14.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.4.1.4	The mast shall be 10 meters in height and shall have a tiltable feature for maintenance.		
B.4.1.5	The contractor shall supply all necessary ancillaries for the proper erection and installation of the mast.		
B.4.1.6	The mast shall be marked with alternating, equal-width bands of red and white or orange and white, applied by a manufacturer-approved method (e.g., paint or vinyl sticker) with a certified durability of at least five (5) years and suitable for a marine environment. The marking shall be compliant with ICAO standards.		
B.5	**Meteorological Equipment Power System**		
B.5.1	**Performance Requirement**		
B.5.1.1	The contractor shall supply a meteorological equipment powered by solar photovoltaic (PV) system. This system shall act as the main power source of the equipment at sensor site including respective radio links.		
B.5.1.2	The solar PV system shall cater for main power requirements of wind, temperature and pressure sensors and its ancillaries installed at the MET mast.		
B.5.1.3	The solar PV system shall include a battery capable of at least 48 hours of continuous operation.		
B.5.1.4	The system shall comprise of charger, regulator, and an automatic switch that transfers to AC or local power (secondary source) once the battery reaches 20% and no sunlight is present.		
B.5.1.5	The system shall include a Battery Management System (BMS) for managing the State-of-Charge (SoC) of the battery. It shall be installed inside the enclosure.		
B.6	**Provision of DEB Power Cable**		
B.6.1	**Performance Requirement**		
B.6.1.1	The contractor shall supply direct earth burial (DEB) cable that shall serve as connection medium from the power source (GP Shelter Transformer to RWY27 Site and Powerhouse Panel to RWY09 Site).		
B.6.1.2	The supplied direct burial power cable shall be a 3-core stranded copper wire with minimum of 8.00mm.^{2} cross sectional area, XLPE or ERP/PCP insulation, 2kV, PVC jacketed and printed with manufacturers trademark throughout the length.		
B.6.1.3	The contractor shall ensure the cable length covers the full distance from the local power source to the runway sensor site, with an additional 10% allowance for bending and turns.		
B.6.1.4	The contractor shall consider minor civil works for the cable laying of the direct burial power cable.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.6.1.1	The contractor shall coordinate with the ANS Facility-in-Charge and the Project Implementation Engineer to validate exact cable installation locations in accordance with the approved drawings to confirm the locations of the local/commercial power source, manholes and conduits.		
B.6.1.2	The Contractor shall install the power cable using existing manholes and conduits.		
B.6.1.3	For sites without conduits, the contractor shall observe standard cable trenching requirements, ensuring a minimum depth and width of 0.6m x 0.3m throughout the entire trench.		
B.6.1.4	The Contractor shall provide a 4-inch yellow caution tape as a trench marker, installed 3” from the topsoil in line with the Direct Earth Burial (DEB) cable to ensure clear identification during future works.		
B.7	**Maintenance/ Test Equipment and Spare Parts**		
B.7.1	**Performance Requirement**		
B.7.1.1	The contractor shall supply a service/maintenance laptop that shall be used by the ANS Technical personnel during the conduct of preventive and corrective maintenance.		
B.7.1.2	The contractor shall provide a service laptop equipped with all required software and configuration files, capable of direct interface at the runway sensor site.		
B.7.1.3	The contractor shall supply field calibrator equipment for, but not limited to, the following sensors: 1. Present Weather 2. Background Luminance 3. Relative Humidity and Temperature 4. RVR Transmitter and Receiver		
B.7.1.4	The contractor shall provide spare parts for, but not be limited to the following equipment: 1. Central Processing System/Server 2. Workstation Unit 3. Meteorological weather sensor group 4. Cloud height and vertical visibility measuring sensors group 5. Runway Visual Range (RVR) system group 6. Data Collection and Central Processing system group 7. Telemetry group		
B.7.1.5	The contractor shall supply additional or spare data/ communication cable with appropriate connectors (e.g., LAN cable from equipment room server/network switch to the cab room workstation/display panel) in a minimum quantity sufficient for the operations of the AWOS system.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.7.1.6	The contractor shall assure that the supplied Automated Weather Observing System (AWOS) shall contain all necessary spare parts relevant to the operation. Failure to do so will result in non-acceptance of the project.		
B.8	**Site Training, Factory Acceptance Testing and Factory Training**		
B.8.1.1	Prior to delivery, the Contractor shall conduct a Factory Acceptance Test (FAT) to verify that the Automated Weather Observing System (AWOS) equipment operates as intended and fully complies with all contractual requirements.		
B.8.1.2	The CAAP requires that the Automated Weather Observing System (AWOS) equipment and subsystems successfully pass all factory (OEM) tests prior to shipment. The tests shall be conducted over five (5) days and witnessed by at least two (2) ANS representatives.		
B.8.1.3	The Bidder shall include in its proposal the following information for equipment testing: (a) place, (b) schedule and (c) testing activities.		
B.8.1.4	All travel expenses, including processing (visa, airfare, accommodations, meals, daily allowances, and travel insurance for the duration of travel), shall be borne by the Contractor. Allowances shall, at a minimum, follow UNDP Daily Subsistence Allowance (DSA) rates. Travel allowance shall begin on the date of departure from the country of permanent residence and end upon return, regardless of time. All such costs shall be included in the Contractor's Financial Bid Proposal. This requirement applies to both Factory Acceptance Testing and Factory Training.		
B.8.1.5	UNDP rates, which cover hotel accommodation and participant daily allowance, shall be applied as the minimum allowance, based on the latest approved rates for the country of travel at the time of departure. All other travel expenses, including visa, airfare and travel insurance, shall be borne by the Bidder/Contractor.		
B.8.1.6	The CAAP requires the submission of a proposed Site Test Plan for the Automated Weather Observing System (AWOS) and ancillary equipment prior to commissioning, subject to revision by CAAP as necessary.		
B.8.1.7	The CAAP requires Factory and On-site training of ANS personnel for Automated Weather Observing System (AWOS) systems.		
B.8.1.8	The Factory Training (FT) shall be attended by five (5) ANS technical personnel (including one (1) from the ANPPDD) for a minimum duration of ten (10) training days.		
B.8.1.9	Site Training (ST) shall be attended by ANS Technical personnel on site.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
B.8.1.10	The OEM shall issue a Training Certificate to ANS personnel who attended the training. The Certificate shall indicate the following: (a) name of the trainee, (b) course title, (c) place of training, (d) date and duration of the training with the OEM company logo.		
B.8.1.11	The cost of accommodation and meals for personnel conducting on-site training shall be borne by the Contractor and included in the financial estimates.		
B.8.1.12	The Contractor may, at its option, provide light meals or snacks for participants during local site training; however, such costs shall not be included in the financial estimates.		
C	**Work Schedule**		
C.1	The Bidder shall include in their proposal a project activity schedule for the project starting from the Notice to Proceed.		
C.2	CAAP specifies that the project be **completed within 365 calendar days**.		
C.3	The preliminary Project Management Schedule shall be as detailed as possible highlighting the following project component activities:		
C.3.1	**Equipment Manufacturing;**		
(a)	*Meteorological Weather Sensor*		
(b)	*Runway Visual Range (RVR) System*		
(c)	*Cloud Height & Vertical Visibility Measuring Systems*		
(d)	*Data Collection and Central Processing System*		
(e)	*Telemetry System*		
(f)	*Frangible 10m. Mast with Lightning Protection and Obstacle Light*		
(g)	*Meteorological Equipment Power Source*		
(h)	*Maintenance/ Test Equipment and Spare Parts*		
C.3.2	**Shipment and Delivery;**		
(a)	*Meteorological Weather Sensor*		
(b)	*Runway Visual Range (RVR) System*		
(c)	*Cloud Height & Vertical Visibility Measuring Systems*		
(d)	*Data Collection and Central Processing System*		
(e)	*Telemetry System*		
(f)	*Frangible 10m. Mast with Lightning Protection and Obstacle Light*		
(g)	*Meteorological Equipment Power Source*		
(h)	*Maintenance/ Test Equipment and Spare Parts*		
C.3.3	**Installations**		
(a)	*Cable laying jobs*		
(b)	*Meteorological Equipment Power Source*		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
(c)	*Erection of frangible aviation mast*		
(d)	*Meteorological Weather Sensor*		
(e)	*Data Collection and Central Processing System*		
(f)	*Telemetry System*		
(g)	*Runway Visual Range (RVR) System*		
(h)	*Cloud Height & Vertical Visibility Measuring Systems*		
C.3.4	**Testing**		
(a)	*Factory Acceptance Testing*		
(b)	*Site Acceptance Testing (local testing)*		
C.3.5	**Training**		
(a)	*Factory Training*		
(b)	*Local On-Site Training*		
C.3.6	**Final Configurations**		
C.3.7	**Project Completion**		
C.3.8	**Submission of As-Built Drawings /Plans**		
C.3.9	**Project Completion**		
C.3.10	**Defect Liability Period (1 year)**		
C.3.11	**Warranty Period (1 year)**		
D	**SYSTEMS SUPPORT**		
D.1	**Quality Plan**		
D.1.1	The Contractor shall be responsible for the quality assurance, configuration management integrity, and acceptance testing accuracy being in accordance with known standards and procedures. To be included in equipment orientation.		
D.2	**Maintenance Plan**		
D.2.1	The Contractor shall submit **together with the Technical Proposal** a plan on how the Contractor/OEM will conduct maintenance services during the warranty period and during the life cycle of the system. The plan shall detail the following procedures:		
(a)	repair/replacement of defective hardware components;		
(b)	software maintenance and repair;		
(c)	help desk support;		
(d)	management of components obsolescence.		
D.3	**Training Plan**		
D.3.1	The Contractor shall submit together with the Technical Proposal a plan for each of the identified training courses that include a description of the following elements:		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
(a)	Type of training;		
(b)	Course Title;		
(c)	Course Objectives;		
(d)	Course Contents;		
(e)	Duration in Days;		
D.3.2	All training materials and training aids shall be provided by the supplier in electronic and physical format.		
D.3.3	Training courses and materials shall enable the trainees to later instruct other technical staff based on the knowledge acquired.		
D.3.4	Training courses shall be of a high standard and apply the latest teaching techniques.		
D.3.5	Trainings shall be conducted for the operation and maintenance (hardware/software) of the AWOS and ATIS: • Meteorological Sensors; • Data Collection and Central Processing Systems; • Runway Visual Range (RVR) Systems; • Cloud Height & Vertical Visibility Measuring Systems; • Telemetry Systems; • Frangible Masts with Lightning Protection and Obstacle Light; • Meteorological Equipment Power Source.		
D.3.6	All training materials and training aids utilized shall be provided by the supplier in electronic and printed format.		
D.3.7	The OEM shall issue a Training Certificate to ANS personnel upon completion of the training. The certificate shall include the following: • name of the trainee; • title of the course; • place of training; • date and duration of the training; and • company logo of the OEM.		
D.4	**Documentations**		
D.4.1	Aside from equipment delivery, **one (1) set** of the following documents shall be delivered:		
(a)	Operation manuals;		
(b)	Maintenance (hardware/software) manuals;		
(c)	Software manuals;		
(d)	Inventory list of equipment and spare parts.		
D.4.2	All delivered documents shall be provided in electronic format on a USB drive.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
E	**INSTALLATION AND TESTING**		
E.1	**Delivery, Storage and Handling**		
E.1.1	The Contractor shall be responsible for the proper handling, delivery, storage, and shipment of the equipment and materials from their premise to the site of delivery, in accordance with the manufacturer's recommendations.		
E.1.2	The Equipment shall be protected against extreme temperature and humidity, and stored in a conditioned place to prevent corrosion and/or contamination.		
E.1.3	The Equipment shall be wrapped in dust-tight covers and kept away from construction activities to protect it from dust and debris.		
E.2	**Installation and Site Acceptance Testing**		
E.2.1	For site installation, it is preferred that sensors are located near the existing sensor sites.		
E.2.2	A Site Acceptance Test shall be conducted after the completion of the installation. The Contractor shall be responsible for notifying the CAAP that the installation is complete and that a Site Acceptance Test is to be conducted.		
E.2.3	The Contractor shall submit for approval a detailed Site Acceptance Test (SAT) plan (3 sets) four weeks before the beginning of the Site Testing.		
E.2.4	The SAT plan shall consist of a set of functional and performance tests aiming at validating the compliance of the system with specification.		
E.2.5	SAT shall be performed for all hardware and software deliverables.		
E.2.6	At the beginning of the SAT, the contractor shall provide introduction/briefing and the baseline for the installed system.		
E.2.7	Each test executed at the SAT shall be described on one single page including at least the following information:		
(a)	test identifier and title;		
(b)	the procedure to follow for performing the test;		
(c)	the system configuration required for the test;		
(d)	the expected result(s) of the test;		
(e)	the way to control whether the test has succeeded or not;		
(f)	comments where appropriate		
E.2.8	Tests shall be conducted prior to Site Acceptance Testing:		
(a)	Sampling (minimum of 3 days), followed by;		
(b)	Reliability Test (Minimum of 2 days).		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
E.2.9	Upon successful completion of the Reliability Test (no alarms for two consecutive days), the Contractor shall promptly notify CAAP and proceed to schedule and conduct the commissioning of the new meteorological equipment *(Meteorological Weather Sensor, Data Collection and Central Processing System, Telemetry Systems, Frangible 10 meters Mast with Lightning Protection and Obstacle Light and, Meteorological Equipment Power Source).*		
E.2.10	The CAAP requires Acceptance Testing by ANS personnel for the delivered Meteorological (MET) equipment prior to final acceptance.		
F	**PROJECT COMPLETION/ACCEPTANCE**		
F.2	A Certificate of Project Completion shall be issued by CAAP to the Contractor upon successful completion of the Project.		
F.3	The following documents (submitted in a binder with corresponding tabs) shall be the attachment for the approval of the Certificate of Acceptance:		
(a)	Copy of approved Contract including the Terms of Reference;		
(b)	Factory Acceptance Test Report;		
(c)	Site Acceptance Test Report;		
(d)	Reliability Test Result		
(e)	Training Report including photocopy of the training certificates issued;		
(f)	Inventory of decommissioned/dismantled equipment;		
(g)	Inventory of newly installed equipment;		
(h)	Calibration Certificate of sensors from PAGASA.		
(i)	As-Built Plans and Drawings;		
(j)	Operation, User and Service Manuals.		
G	**DEFECT LIABILITY PERIOD AND WARRANTY**		
G.1	CAAP requires a one (1) year Defect Liability Period, followed by a one (1) year Warranty Period covering both software and hardware components.		
G.2	The Defect Liability Period (DLP) shall commence upon issuance by CAAP of the Certificate of Project Completion, confirming that all works have been executed and completed by the Contractor in accordance with the contract.		
G.3	Upon expiry of the Warranty Period, the Contractor shall submit to CAAP a Facility Availability Report to verify that the installed system meets the required 99.99% availability.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
G.4	The Contractor/Supplier shall ensure that all meteorological sensors (including the spares) maintain a valid calibration certificate throughout the Defect Liability Period (DLP) and Warranty Period **(total of two (2) years)**.		
G.4.1	If a sensor's calibration interval, as specified by the OEM, expires prior to the end of the Warranty Period, the Contractor/Supplier shall shoulder the cost, logistics, and execution of the re-calibration to restore its validity through the end of the Warranty Period.		
G.5	To ensure service continuity during repair and/or calibration, the contractor shall provide a service unit (or the spare unit may be used is available), provided its calibration certificate/test report **remains valid**.		
G.6	The Contractor shall be responsible for the shipment of defective parts to the Manufacturer and vice-versa and/or sensors to PAGASA/calibration laboratory. Cost of repair/calibration and logistics shall be borne by the Contractor for the duration of the DLP and Warranty periods.		
G.7	CAAP shall issue a Certificate of Final Acceptance upon completion of the Defect Liability Period (one year after project completion/commissioning).		
H	**OTHER REQUIREMENTS**		
H.1	**Permits**		
H.1.1	The Contractor shall be responsible for securing all necessary permits (e.g., Permit to Import, NTC, Security Pass, other local permits, etc.) from respective offices that may be necessary for the supply/delivery of the equipment. The cost of acquiring such permits including its processing shall be borne by the Contractor.		
H.1.2	The CAAP requires that only OEM-qualified personnel will do the installations/commissioning of all equipment. CAAP requires submission of Certificate of Authorization from the OEM.		
H.1.3	The Bidder shall submit, together with its technical bid, the résumés of qualified installers and personnel who will participate in the Project. The Bidder shall clearly specify and describe the responsibilities of these personnel in relation to project implementation.		
H.1.4	The contractor shall be responsible for the NTC license UHF frequency registrations and permits. The cost of acquiring such permits including its processing shall be borne by the Contractor.		

Item	Specification	Compliance Statement	Reference to support statement (*also indicate Page No.*)
H.2	**MOS for Aerodromes/Method of Working Plan (MOWP)**		
H.2.1	The Contractor shall comply with the latest provisions of the Civil Aviation Authority of the Philippines (CAAP) Manual of Standards (MOS) for Aerodromes. A Method of Working Plan (MOWP), prepared in accordance with Section 10.11 of the CAAP MOS, shall be submitted to CAAP for review and approval prior to the commencement of project implementation.		
H.3	**ICAO COMPLIANCE**		
H.3.1	The supplied meteorological equipment shall comply with ICAO Standards and Recommended Practices (SARPs).		
H.4	**CERTIFICATE OF SITE INSPECTION**		
H.4.1	The contractor shall obtain a Certificate of Site Inspection from the ANS Facility-in-Charge of the concerned ANF/Airport, or from an authorized representative, as proof of survey and inspection. The Certificate of Site Inspection form included in this bidding document may be used for this purpose.		
H.4.2	Photocopy of the company I.D. of the bidder/bidder's representative who conducted the site inspection shall be attached.		
H.4.3	The bidder or the bidder's representative who conducts the site inspection shall be photographed together with the authorized representative both inside the tower, where the equipment will be installed, and outside the tower building during the inspection.		

End of Technical Specifications

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

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

Class "B" Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

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

- (k) *[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.
- (l) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

CERTIFICATE OF SITE INSPECTION

This is to certify that ______________________________ , ________________________
(Name/Bidder's Representative) (Position)

of ____________________________________, has conducted the required site inspection
(Company Name)

for the bidding of the project **Purchase/Installation of AWOS for Puerto Princesa**
(Name of the Project)

International Airport. Issued this ____________________ , 202__.
(Date)

____
Facility In-Charge

Name of the Project : ____________________

Name of Bidder : ____________________

Calendar Year : ____________________

(1) Item	(2) Country of Origin	(3) Description	(3.1) Brand	(3.2) Type / Model / Version	(4) Quantity	(4.1) Unit

____________________ ____________________

[signature over printed name] *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of ____________________

Date ____________________

NOTE: All equipment/items offered must be reflected in this form.
Columns 3.1 & 3.2 for applicable items.
Provide additional sheets as necessary.

AWOS Equipment Readings (Sampling Form 1)

Date (mm/dd/yy)	Time of Sample	Wind Speed				Wind Direction				Temperature				Humidity				Pressure		Verified By	
		RWY09		RWY27		RWY09		RWY27		RWY09		RWY27		RWY09		RWY27		Existing	New	ANS	ATS
		Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New				

Performed by: (*Suppliers' Representative/s*)

Witnessed by: (*ANS/CAAP Representative/s*)

Signature over printed name	Signature over printed name	Signature over printed name	Signature over printed name
Designation	Designation	Designation	Designation
Signature over printed name	Signature over printed name	Signature over printed name	Signature over printed name
Designation	Designation	Designation	Designation

AWOS Equipment Readings (Sampling Form 2)

Date (mm/dd/yy)	Time of Sample	EXISTING AWOS											NEW AWOS										
		BASE	RVR	LIGHTS	VIS	VIS MNM	AERODROME CLOUD						BASE	RVR	LIGHTS	VIS	VIS MNM	AERODROME CLOUD					
		Ceilometer	RWY Visual Range	RWY Light Intensity	Visibility	Minimum Visibility	HIGH		MID		LOW		Ceilometer	RWY Visual Range	RWY Light Intensity	Visibility	Minimum Visibility	HIGH		MID		LOW	

Performed by: (*Suppliers' Representative/s*)

Signature over printed name
Designation

Signature over printed name
Designation

Signature over printed name
Designation

Signature over printed name
Designation

Witnessed by: (*ANS/CAAP Representative/s*)

Signature over printed name
Designation

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Designation

Republic of the Philippines

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Government Procurement Policy Board