



## REQUEST FOR QUOTATION

The Civil Aviation Authority of the Philippines (CAAP-Main Office), through its Canvass and Contract Committee (CCC), will undertake a **Small Value Procurement** for the “Purchase of Drone with Mapping Function and Subscription to Mapping Software for ATMSID-AANSOO” in accordance with Section 53.9 of the Implementing Rules and Regulations of Republic Act No. 9184.

RFQ No. : **C23-124-11**  
Name of Project : **Purchase of Drone with Mapping Function and Subscription to Mapping Software for ATMSID-AANSOO**  
Approved Budget for  
for Contract : **P522,490.00**  
Terms : See the attached Annex “A” for Terms of Reference and  
corresponding Specifications  
Location : Procurement Division, CAAP, MIA Road, Pasay City  
Delivery Term : **Thirty (30) Days** from the receipt of Notice for  
Compliance  
Partial delivery is **not allowed**.  
Delivery Location : **CAAP Head Office Warehouse**  
Delivery Time : 8:00 AM – 4:00 PM (working days)

Interested suppliers are required to submit their valid and current documents which must be properly fastened and sealed in an envelope:

1. Mayor’s or Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
2. Income Business Tax Return for ABC’s above P500,000.00;
3. PHILGEPS Certificate of Registration;
4. Tax Clearance;
5. Notarize Omnibus Sworn Statement (GPPB prescribed Form) for ABC’s above P 50,000.00; (Authorized representative must attach Special Power of Attorney (SPA) for Sole Proprietorship Certificate for Corporation)
6. Price quotation from (**Annex “A”**) during submission of offer/Quotation.

The winning supplier shall – upon claiming of the Contract – present the original copy of the documents listed above for comparison, or submit a **Certified True Copy** of the original document which must be certified by the issuing government agency. However, the **original copy** of the Omnibus Sworn Statement, Price Quotation Form, and Brochure **must be included in the sealed bid**.

Price quotation/s must be valid for a period of one hundred twenty (120) calendar days from the date of submission.

The quotation shall be submitted in sealed envelope on or before the closing date of **DEC 01 2023** at 10:00 AM, CAAP Procurement Division and addressed to:

ATTY. JOHN BEAU B. MASIGLAT  
Chairperson, Canvass and Contract Committee  
Officer-In-Charge, Procurement Division  
Gate 3 CAAP, Old MIA Road  
Pasay City, Metro Manila



Quotations exceeding the Approved Budget for the Contract shall be rejected.

Award of contract shall be made to the lowest quotation, which complies with the minimum description as stated above and other terms and conditions stated in the price quotation form. In case two or more bidders are determined to have submitted the Lowest Calculated/Lowest Calculated and Responsive Quotation, CAAP-CCC shall adopt and employ "draw lots" as the tie breaking method to finally determine the single winning provider in accordance with GPPB Circular 06-2005.

The CAAP-TIAC shall have the right to inspect and/or test the goods to confirm their conformity to the technical specifications.

Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the bidder or his/her duly authorized representative/s.

Liquidated damages equivalent to one tenth of one percent (0.1%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. CAAP shall rescind the contract once the cumulative amount of liquidated damaged reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.

  
**MELINA C. REYES**  
CCC Vice-Chairperson



**PRICE QUOTATION FORM**

Date: \_\_\_\_\_

The Chairperson  
 Canvass and Contract Committee  
 Procurement Division, CAAP,  
 MIA Road, Pasay City

Sir:

After having carefully read and accepted the terms and conditions in the Request for Quotation, hereunder is our quotation/s for the item/s as follows:

<b>Purchase of Drone with Mapping Function and Subscription to Mapping Software for ATMSID-AANSOO</b>				
<b>Technical Specifications</b>	<b>QTY</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>A. Drone</b>	1	lot		
<b>B. Extra Batteries and Charging Hub</b>				
<b>C. RTK Module compatible with drone</b>				
<b>D. Subscription to Mapping Software</b>				
<b>E. Training and Licensing</b>				
See the attached Terms of Reference				
<b>Total (Inclusive of VAT)</b>				

(Amount in Words)

\_\_\_\_\_

\_\_\_\_\_

The above-quoted prices are inclusive of all costs and applicable taxes.

Very truly yours,

\_\_\_\_\_  
 Name/Signature of Representative

\_\_\_\_\_  
 Position

\_\_\_\_\_  
 Name of Company

\_\_\_\_\_  
 Contact No.

\_\_\_\_\_  
 Email Address





**TERMS OF REFERENCE**

Name of Project	:	PURCHASE OF DRONE WITH MAPPING FUNCTION AND SUBSCRIPTION TO MAPPING SOFTWARE FOR ATMSID-AANSOO
Approved Budget	:	522,490.00
Delivery Period	:	Thirty (30) days from the receipt of Notice for Compliance <i>Note: Partial delivery is <b>not allowed</b>.</i>
Delivery Location	:	CAAP Head Office Warehouse  <i>Note: Delivery must be made only from 8:00AM-4:00PM during regular work days.</i>  <i>A Written Notice must be sent to the official email address of the Procurement Division, and Supply Division at least seven (7) calendar days prior to the intended date of delivery.</i>  <i>A confirmation of availability of concerned office must be received by the supplier before proceeding with the delivery. None compliance may be a ground for refusal of entry to the premises and receipt of delivery with no fault on the part of the Civil Aviation Authority of the Philippines.</i>
Terms of Payment	:	Payment upon full delivery and subject to usual government accounting rules and regulations.

**Technical Specifications:**

A. Drone	
Max Alt (MSL)	19685ft (6000m)
Max Flt Time	30 mins/battery recharge
Hover Accuracy Range	Vertical: $\pm 0.1$ m (with Vision Positioning); $\pm 0.5$ m (with GNSS Positioning) Horizontal: $\pm 0.3$ m (with Vision Positioning); $\pm 0.5$ m (with High-Precision Positioning System)
Mapping Accuracy	Mapping accuracy meets the requirements of the ASPRS Accuracy Standards for Digital Orthophotos Class III
Max Flight Distance	30 km
Flight Restrictions to Geozones/airspace	Disabled (*for CAAP use only)




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

Max Wind Speed Resistance	12 m/s or 23Kts
GNSS	GPS + Galileo + BeiDou
Max Tilt Angle	35°
Internal Storage	8 GB or more expandable to 128 GB via SD card Slot
Camera	Wide: 4/3 CMOS, 20MP, Mechanical Shutter Tele: Equivalent Focal Length: 162mm, 12MP, 56xHybrid Zoom
Photo Format	JPEG/DNG (RAW)
Video Formats	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Supported SD Cards	MicroSD, Max Capacity: 128 GB. Class 10 or UHS-1 rating required Write speed ≥ 15 MB/s
Battery capacity	5000mAh
Voltage	15.4V
Energy	77 Wh
Multi-Frequency Multi-System High-Precision RTK GNSS	Frequency Used : GPS : L1/L2 ; GLONASS : L1/L2 ; BeiDou : B1/B2 ; Galileo : E1/E5a First-Fixed Time : < 50 s Positioning Accuracy: Vertical 1.5 cm + 1 ppm (RMS) ; Horizontal 1 cm + 1 ppm (RMS) 1 ppm means the error has a 1mm increase for every 1 km of movement from the aircraft.
Gimbal	Stabilization-3-axis (tilt, roll, yaw)
Sensing System	Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft
WARRANTY PERIOD:	One Year on parts and services
<b>B. Extra Batteries and Charging Hub</b>	
2 units	Intelligent Flight Battery
1 unit	100W Battery Charging Hub
1 unit	65W Car Charger



C. RTK Module compatible with drone	
Satellite connectivity	Simultaneously receives: GPS: L1 C/A, L2, L5; BEIDOU: B1, B2, B3; GLONASS: F1, F2; Galileo: E1, E5A, E5B
Positioning Accuracy	RTK fix: Horizontal: 1 cm + 1 ppm; Vertical: 1.5 cm + 1 ppm
D. Subscription to Mapping Software	
NAMRIA	One-time registration
Real-time connection Charge	Per Connection *PhP 100.00 per hr, per AGS, per rover *100.00 x 3 hrs x 25 (average travel per month) x 12 Months
Detailed Inspection	Automatically generate routes based on target points marked in a 3D model or point cloud to automate inspection workflows
Model application	Measure targets' coordinates, distances, areas, volumes, and other key data and rename or export the data results
Interfaces	KML File Import
E. Training and Licensing	
UAS Pilot Training x 6 inspectors (15,000/head)	FSIS to process licensing applications

Prepared by:

  
**NICKSON M. MORADA**  
Senior ASSI  
ATMSID-AANSOO

Approved by:

  
**CAPTAIN FLORENDO JOSE C. AQUINO III**  
Chief ASSI  
AANSOO