



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY
REGION III & IV-B

2/F Guest House Bldg., PCA Compound, Elliptical Road, Diliman, Quezon City 1101
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REQUEST FOR QUOTATION

Date: July 29, 2024
RFQ No.: **2024-07-50**

The Philippine Coconut Authority Region III & IV-B through its Regional Bids and Awards Committee (RBAC), intends to procure **Supply, Delivery, Testing and Commissioning of Drone** with a total Approved Budget for the Contract amounting to **Two Hundred Thousand Pesos (Php 200,000.00)** in accordance with **Section 53.9** of the 2016 revised Implementing Rules and Regulations of the Republic Act No. 9184.

Please submit your quotations/proposals duly signed by you or your duly authorized representative for the item described herein, subject to the Terms and Conditions and Technical Specifications attached in this Request for Quotation (RFQ). The procurement period covers from **July 30, 2024 – August 12, 2024**.

A copy of your **Mayor/Business Permit, PhilGEPS Registration Certificate and Omnibus Sworn Statement** are also required along with your quotation/proposal. Quotation with the aforesaid documentary requirements shall be submitted in a sealed envelope either manually or through mailing at the address indicated below **not later than August 12, 2024, 1:00 PM**. Evaluation of offer/s will be on **August 12, 2024 2:00 PM**.

For any clarification, please feel free to contact Mr. Joshua C. Dela Cruz, RBAC Secretariat at tel. nos. 8924-4761 or email at 4b.regionalbac@gmail.com.

(SGD.) JUDY dP. PINGCO
Chairman, RBAC

Philippine Coconut Authority
Region III & IV-B
2/F Guest House Bldg., PCA Compound,
Elliptical Road, Diliman, Quezon City
Email Address: 4b.regionalbac@gmail.com

QUOTATION/ PROPOSAL

Date: _____

Name of Business: _____

Address: _____

Nature of Business: _____

Business Permit No.: _____

Tax Identification No.: _____

PhilGEPS Registration Number: _____

Quotation/ Proposal (please indicate the kind of goods with the total bid amount and any other related offer):

Quantity	Unit	Item Description	Approved ABC	Unit Cost (PhP)	Total Cost (PhP)
1	lot	Supply, Delivery, Testing and Commissioning of Drone *Please see the attached Terms of Reference (<i>Appendix 1</i>) for technical specifications.	Php 200,000.00		
		Grand Total:			

Attachments:

Mayor/Business Permit, PhilGEPS Registration Certificate, Omnibus Sworn Statement

Signature over Printed Name

Office Telephone/Fax No.

Mobile No.

Email Address



INSTRUCTIONS

1. Accomplish this RFQ correctly and accurately.
2. Do not alter the contents of this form in any way.
3. All Technical specifications are mandatory. Failure to comply with any of the mandatory requirements will disqualify your quotation.
4. Failure to follow instructions will disqualify your entire quotation.

Technical Specifications

Unit	Item Description	Quantity	Statement of Compliance (please indicate “comply” or “not comply”)
lot	Supply, Delivery, Testing and Commissioning of Drone *Please see the attached Terms of Reference (<i>Appendix 1</i>) for technical specifications.	1	

Signature over Printed Name



General Terms and Conditions

1. Bidders shall provide correct and accurate information required in the forms.
2. Price quotations must be valid for a period of thirty (30) calendar days from the date of submission.
3. Price quotation/s to be dominated in the Philippine peso shall include all taxes, duties and/or levies payable.
4. Quotations exceeding the Approved Budget for the Contract shall be rejected.
5. Award of contract shall be made to the lowest quotation which complies with the technical specifications, schedule of requirements and terms and conditions stated herein.
6. Any interlineations, erasures or overwriting shall be valid only if they are signed or initiated by you or your duly authorized representative.
7. The PCA Region III & IV-B RBAC shall have the right to inspect the goods to confirm their conformity to the technical specifications once delivered.
8. All items should be delivered in **twenty (20)** calendar days after signing of Purchase Order.
9. Liquidated damages equivalent to one tenth of one percent (0.001%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. The PCA Region III & IV-B may rescind the contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.

Signature over Printed Name



TERMS OF REFERENCE

PROJECT AND LOCATION

PROJECT : SUPPLY AND DELIVERY OF DRONE

LOCATION : PHILIPPINE COCONUT AUTHORITY, DILIMAN, QUEZON CITY-

II. SCOPE OF WORK

1. Supply, delivery, testing and commissioning of drone.

Drone Technical Specifications:

Weight (with propellers, without accessories) 915g

Max take-off weight 1,050g

Dimensions: Folded (without propeller): 221x96.3x90.3 mm (LxWxH)

Unfolded (without propellers): 347.5x283x107.7 mm (LxWxH)

Diagonal Distance: 380.1 mm

Max ascent speed: 6 m/s (normal mode); 8 m/s (sport mode)

Max descent speed: 6 m/s (normal mode); 6 m/s (sport mode)

Max flight speed (at sea level, no wind): 15 m/s (normal mode)

Forward: 21 m/s, Side: 10 m/s, Backward: 19 m/s (sport mode)

Max speed wind distance: 12 m/s

Max take-off altitude above sea level : 6000 m(without payload)

Max flight time (no wind): 45 mins

Max hover time (no wind): 38 mins

Max flight distance: 32 km

Max tilt angle : 30° (normal mode); 35° (sport mode)

Max angular velocity: 200°/s

Hovering Accuracy

Vertical: ±0.1 m (with Vision System); ±0.5 m (with GNSS); ±0.1 m (with RTK)

Horizontal: ±0.3 m (with Vision System); ±0.5 m (with High-Precision Positioning

System); ±0.1 m (with RTK)

Wide Camera

Sensor: 4/3 CMOS, Effective pixels: 20 MP

Max Image Size: 5280×3956

Panorama: 20 MP (raw image), Shooting 48MP photo does not support 2s interval

Video Resolution

H.264

4K: 3840×2160@30fps

FHD: 1920×1080@30fps

Bitrate

4K: 130 Mbps FHD: 70 Mbps

Supported File Formats

exFAT

Photo Format: JPEG/DNG (RAW)

Video Format: MP4 (MPEG-4 AVC/H.264)

Tele Camera

Sensor: 1/2-inch CMOS, Effective pixels: 12 MP

sMax Image Size: 4000×3000

Photo Format: JPEG

Video Format: MP4 (MPEG-4 AVC/H.264)

Digital Zoom: 8x (56x hybrid zoom)

Stabilization: 3-axis (tilt, roll, pan)

Mechanical Range

Tilt: -135° to 100°

Roll: -45° to 45°

Pan: -27° to 27°

Sensing

Type: Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft.

Forward

Measurement Range: 0.5-20 m

Detection Range: 0.5-200 m

Effective Sensing Speed: Flight Speed ≤15 m/s

FOV: Horizontal 90°, Vertical 103°

Effective Sensing Speed: Flight Speed ≤12 m/s

FOV: Horizontal 90°, Vertical 103°

Screen Resolution: 1920×1080

Screen Size: 5.5 inches

Screen: 60 fps

Brightness: 1,000 nits

Touchscreen Control: 10-point multi-touch

Battery: Li-ion (5000 mAh @ 7.2 V)

Rated Power: 12 W

Storage Capacity

Internal Storage (ROM): 64 GB Supports a microSD card for expanded capacity.

Operating Time: Approx. 3 hours

Dimensions

Antennas folded and controller sticks unmounted: 183.27×137.41×47.6 mm

(L×W×H) Antennas unfolded and controller sticks mounted:

183.27×203.35×59.84 mm (L×W×H)

Weight: Approx. 680 g

Storage: Supported Memory Cards

Aircraft: U3/Class10/V30 or above is required.

Battery

Capacity: 5000 mAh

Standard Voltage: 15.4 V

Max Charging Voltage: 17.6 V

Charger

Input: 100-240 V (AC Power), 50-60 Hz, 2.5 A

Output Power: 100 W

Output: Max. 100 W (total) When both ports are used, the maximum output power of each interface is 82 W, and the charger will dynamically allocate the output power of the two ports according to the load power

Charging Hub

Input

USB-C: 5-20 V, 5.0 A

Output

Battery Port: 12-17.6 V, 8.0 A

Rated Power: 100 W

Charging Type: Three batteries charged in sequence

Charging Temperature Range: 5° to 40° C (41° to 104° F)

If the Terms of Reference are accepted, kindly fill out this form.

CONFORME:

Signature over Printed Name

