



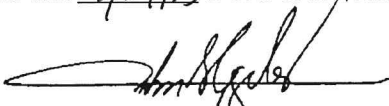
Republic of the Philippines
UNIVERSITY OF RIZAL SYSTEM
 Province of Rizal

Cp No. (63)918-9519618
 urs.bacsecretariat2020@gmail.com

Date : 3/22/23

Company/Supplier Name : _____
 Address : _____

Please quote your lowest price on the item/s listed below, subject to the General Conditions on the last page, stating the shortest time of delivery and submit your sealed quotation duly signed by your representative not later than 3/29/23 to URS SPMO, Morong Rizal.


NELSON S. GONZALES, Ed. D.
 Chairperson, BAC

- NOTE: 1. ALL ENTRIES MUST BE TYPEWRITTEN
 2. DELIVERY PERIOD WITHIN 30 CALENDAR DAYS
 3. WARRANTY SHALL BE FOR A PERIOD OF SIX (6) MONTHS FOR SUPPLIES & MATERIALS, ONE (1) YEAR FOR EQUIPMENT, FROM DATE OF ACCEPTANCE BY THE ENTITY
 4. PRICE VALIDITY SHALL BE FOR A PERIOD OF 45 CALENDAR DAYS
 5. G-EPS REGISTRATION CERTIFICATE SHALL BE ATTACHED UPON SUBMISSION OF THE QUOTATION
 6. BIDDERS SHALL SUBMIT ORIGINAL BROCHURES SHOWING CERTIFICATIONS OF THE PRODUCT BEING OFFERED

ITEM NO.	ITEM & DESCRIPTION	QTY.	UNIT	BID PRICE	TOTAL BID PRICE
1	Multispectral Agricultural Drone for greenness, pests, soil fertility level screening (See attached technical specifications)	1	set(s)		
	nothing follows				
	-				
	ABC - Php 439,000.00				
	-				

Brand and Model : _____ Delivery Period : _____
 Warranty : _____ Price Validity : _____

After having carefully read and accepted your General Condition, I/We quote you on the items at prices noted above.

CERTIFICATION

I hereby certify that I have personally conducted this canvass and that the price(s) quoted is/are true & correct and the signature of the representative of the company who submitted the quotation(s) is/are genuine.

Posted at Plu/GEPS

 Printed Name & Signature of Authorized Canvasser

 Printed Name / Signature

 Tel. No. / Cell phone No.

 E-mail address

 Date

 Tin Number

Attachment A

Specification

Multi-spectral Drone

A. Aircraft

Features	Specification
Diagonal distance (propellers excluded)	350 mm
Max. Service Ceiling Above Sea Level	19685 ft (6000m)
Max. Ascent Speed	3 m/s
Max. Speed	31 mph (50kph) (P-mode); 36 mph (58 kph) (A-mode)
Max. Flight Time	Approximately 27 minutes
Operating Temperature	0 degree to 40 degrees C (32 degrees to 104 degrees F)
Operating frequency	2,4000 GHz to 2.4835 GHz or 5.725 GHz to 5.850 GHz or frequency appropriate to Philippines
Transmission Power (EIRP)	2.4 GHz: <20dBm (CE/MIC/KCC) 5.8 GHz: <26 dBm (FCC/SRRC/NCC)
Hover accuracy Range	RTK enabled and functioning properly; Vertical: plus or minus 0.1 m (with vision positioning); more or less 0.5 m (with GNSS positioning); Horizontal: plus or minus 0.3 m (with vision positioning); plus or minus 1.5 m (with GNSS positioning)
Image Position Compensation	The relative positions of the centers of the six cameras' CMOS and the phase center of the onboard D-RTI have been calibrated and are recorded in the EXIF data of each image

B. Mapping Functions

Features	Specification
Ground Sample Distance (GSD)	(H/18.9) cm/pixel, H indicates the aircraft altitude relative to the area mapped (unit:m)
Rate of Data Collection	Max operating area of approx. 0.63 km ² for a single flight at an altitude of 180 m, i.e., GSD is approx. 9.52 cm/pixel, with a forward overlap rate of 80% and a side overlap ratio of 60%,

	during a flight that drains the battery from 100% to 30%.
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C. GNSS

Features	Specification
Single-Frequency High-Sensitivity GNSS	GPS + BeiDou + Galileo (Asia) or appropriate to the Philippines
Multi-Frequency Multi-System High-Precision RTK GNSS	GPS: L1/L2; GLONASS: L1/L2; BeiDou: B1/B2; Galileo[2]: E1/E5 First-Fixed Time: < 50 s Positioning Accuracy: Vertical 1.5 cm + 1 ppm (RMS); Horizontal 1 cm + 1 ppm (RMS). 1 ppm indicates error with a 1 mm increase over 1 km of movement. Velocity Accuracy: 0.03 m/s

D. Gimbal

Features	Specification
Controllable Range	Controllable Range

E. Vision System

Features	Specification
Velocity Range	Velocity Range
Altitude Range	0 - 33 ft (0 - 10 m)
Operating Range	0 - 33 ft (0 - 10 m)
Obstacle Sensory Range	Obstacle Sensory Range
Operating Environment	Operating Environment

F. Camera

Features	Specification
Sensors	Six 1/2.9" CMOS, including one RGB sensor for visible light imaging and five monochrome sensors for multispectral imaging. Each Sensor: Effective pixels 2.08 MP (2.12 MP in total)
Filters	Blue (B): 450 nm \pm 16 nm; Green (G): 560 nm \pm 16 nm; Red (R): 650 nm \pm 16 nm; Red edge (RE): 730 nm \pm 16 nm; Near-infrared (NIR): 840 nm \pm 26 nm
Lenses	FOV (Field of View): 62.7°

	Focal Length: 5.74 mm (35 mm format equivalent: 40 mm), autofocus set at ∞ Aperture: f/2.2
RGB Sensor ISO Range	200-800
Monochrome Sensor Gain	1 – 8x
Electronic Global Shutter	1/100 - 1/20000 s (visible light imaging); 1/100 - 1/10000 s (multispectral imaging)
Max Image Size	1600×1300 (4:3.25)
Photo Format	JPEG (visible light imaging) + TIFF (multispectral imaging)
Supported File Systems	FAT32 (≤ 32 GB); exFAT (> 32 GB)
Supported SD Cards	microSD with a minimum write speed of 15 MB/s. Max Capacity: 128 GB. Class 10 or UHS-1 rating required
Operating Temperature	0° to 40° C (32° to 104° F)

G. Remote Controller

Features	Specification
Operating Frequency	2.4000 GHz to 2.4835 GHz; 5.725 GHz to 5.850 GHz (or appropriate to the Philippines)
Transmission Power (EIRP)	2.4 GHz: < 20 dBm (CE / MIC / KCC) 5.8 GHz: < 26 dBm (FCC / SRRC / NCC)
Max Transmission Distance	FCC / NCC: 4.3 mi (7 km) CE / MIC / KCC / SRRC: 3.1 mi (5 km)(Unobstructed, free of interference)
Built-in Battery	6000 mAh LiPo 2S
Operating Current / Voltage	1.2 A @ 7.4 V

H. Intelligent Flight Battery (PH4-5870mAh-15.2V)

Features	Specification
Capacity	5870 mAh
Voltage	15.2 V
Battery Type	LiPo 4S
Energy	89.2 Wh
Net Weight	468 g
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	5° to 40° C (41° to 104° F)

Max Charging Power	160
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I. Intelligent Flight Battery Charging Hub (PHANTOM 4 CHARGING HUB)

Features	Specification
Voltage	17.5 V
Operating Temperature	5° to 40° C (41° to 104° F)

J. AC Power Adapter (PH4C160)

Features	Specification
Voltage	17.4 V
Rated Power	160 W