

Republic of the Philippines DEPARTMENT OF FINANCE

Roxas Boulevard Corner Pablo Ocampo, Sr. Street Manila 1004

REQUEST FOR QUOTATION

		RFQ No. :	2024-12	E-MANUEL ETTERS.
		Date :	December	9, 2024
entlemen	:			
ommittee (B	ibmit you BAC) Cha	quote your lowest price on the item listed below, subject to the General quotation duly signed by your representative in sealed envelope disairperson or thru the authorized canvasser of this Department not late the opening of the sealed quotation.	rect to the Bids and	
		,	DIAZ, Director IV ministration Office	
YTITMAUQ	UNIT	ARTICLE / MERCHANDISE / SPECIFICATION	UNIT PRICE	TOTAL
3	unit	Drone Camera	90,000.00	270,000.0
		See attached Technical Specifications		
		NOTE: Please include the following required documents upon		
		submission of your proposal for evaluation purposes:		
		1. Mayor's/Business Permit		
		 PhilGEPS Registration Number For the bidder/s with Platinum Membership who opt to submit PhilGEPS Certificate, the validity of the Class "A" eligibility documents specified in Section 8.5.2 of the Revised IRR of RA 9184 shall remain current and updated. 		
		Additional required document to be submitted by the winning		
		supplier before the issuance of Purchase Order (PO): 3. Duly Notarized Omnibus Sworn Statement (OSS)		
		(Fox CSD (Iso)		270,000.0
prices not	ed abov	[(For GSD Use)] Iving carefully read and accepted your General conditions, I/W Ive and bind ourselves to deliver the above articles/merchandis	se within	e item
om receipt	of your	valid Purchase Order (PO). The quotations are good up to 60	days.	
anvassed b	oy:	Supplier : By :		
	-	Tel. No.:	1	



Republic of the Philippines DEPARTMENT OF FINANCE

Roxas Boulevard Corner Pablo Ocampo, Sr. Street Manila 1004

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		Date :		December	9, 2024
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			ntral Administr		
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anvassed b	oy:	Supplier :	-		
		By : Tel. No.:	-		
	-	TIN No. :	<u> </u>		

GENERAL CONDITIONS

- The bidders are required to submit brochures, literatures, pictures and technical data pertaining to the brand and model of the equipment being offered.
- 2. The quotation will not be considered unless it is properly signed by the bidder's authorized representative.
- 3. All prizes quoted herein are valid and binding for a period of sixty (60) days.
- 4. Bidder shall be responsible for the source of his equipment.
- 5. Subject to the provisions of the preceeding paragraph, where awardee has accepted a Purchase Order (PO) but fails to deliver the required products within the time called for in the same order, he must return the order accompanied by written explanations within the period of delivery of the merchandise. Thereafter, if the awardee has not completed delivery within the period, the subject PO shall be cancelled and the award shall be withdrawn from that supplier. The DOF shall then purchase the required item from such other sources as it may determine, with the price difference to be charged against the defaulting awardee.
- The DOF reserves the right to reject any or all quotations, to waive any formality therein or to accept such quotations as may be considered most advantageous to the government.

TECHNICAL SPECIFICATIONS

DRONE CAMERA

Purchase Quotation No. 2024-12-0170 dated December 9, 2024

	Item Description	Quantity	Unit Cost	Total ABC
	<u>Drone Camera</u>	3 units	₱90,000.00	₱270,000.00
Techr	nical Specifications			
	rcraft			
•	Takeoff Weight: 724 g			
•	Dimensions: Folded (without propellers):			
	214.19x100.63x89.17 mm (LxWxH)			
•	Unfolded (without propellers): 266.11x325.47x106.00			
	mm (LxWxH)			
•	Max Ascent Speed: 10 m/s			
•	Max Descent Speed: 10 m/s			
•	Max Takeoff Altitude: 6000 m			
•	Max Flight Time: 45 minutes			
•	Max Hovering Time: 41 minutes			
•	Max Flight Distance: 32 km			
•	Max Wind Speed Resistance: 12 m/s			
•	Max Pitch Angle: 36"			
•	Operating Temperature: -10° to 40° C			
•	Global Navigation Satellite System: GPS + Galileo +			
	BeiDou			
•	Hovering Accuracy Range: Vertical: ±0.1 m (with vision			
	positioning), ±0.5 m (with satellite positioning)			
	Horizontal: ±0.3 m (with vision positioning), ±0.5 m			
	(with satellite positioning)			
	Internal Storage: 42 GB			
D. C				
	Image Sensor: Wide-Angle Camera: 1-inch CMOS, 50MP Effective Pixels; Medium Tele Camera: 1/1.3-inch			
	CMOS, 48MP Effective Pixels			
C. Le	ens		1	
	Wide-Angle Camera			
•	FOV: 84°			
•	Format Equivalent: 24 mm			
	Aperture: f/1.8			
•	Focus: 0.5 m to ∞			
•	Medium Tele Camera			
•	FOV: 35°			
•	Format Equivalent: 70 mm			
•	Aperture: f/2.8			
•	Focus: 3 m to ∞			
•	ISO Range			
D. V	Algorithm and the second secon			
•	Normal: 100-12800 (Normal), 100-3200 (D-Log M),			
	100-3200 (HLG)			

- Slow Motion: 100-6400 (Normal), 100-3200 (D-Log M), 100-3200 (HLG)
- Photo: 100-6400 (12 MP), 100-3200 (48 MP and 50 MP)

E. Shutter Speed

- Wide-Angle Camera: 12 MP Photo: 1/8000-2 s (2.5-8 s for simulated long exposure), 50MP Photo: 1/8000-2 s
- Medium Tele Camera: 12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure), 48MP Photo: 1/8000-2 s

F. Max Image Size

- Wide-Angle Camera: 8192x6144
- Medium Tele Camera: 8064x6048

G. Still Photography Modes

- Wide-Angle Camera
- Single Shot: 12 MP and 50 MP
- Burst Shooting: 12 MP, 3/5/7 frames; 50 MP, 3/5 frames
- Automatic Exposure Bracketing (AEB): 12 MP, 3/5/7 frames; 50 MP, 3/5 frames at 0.7 EV step
- Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 50 MP, 5/7/10/15/20/30/60 s
- Medium Tele Camera
- Single Shot: 12 MP and 48 MP
- Burst Shooting: 12 MP, 3/5/7 frames; 48 MP, 3/5 frames
- Automatic Exposure Bracketing (AEB): 12 MP, 3/5/7 frames; 48 MP, 3/5 frames at 0.7 EV step
- Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 48 MP, 5/7/10/15/20/30/60 s
- Photo Format
- JPEG/DNG (RAW)

H. Video Resolution

- Wide-Angle Camera/Medium Tele Camera: H.264/H.265
- 4K: 3840x2160@24/25/30/48/50/60/120*fps
- FHD: 1920x1080@24/25/30/48/50/60/120* /240*fps
- 2.7K Vertical Shooting:
 1512x2688@24/25/30/48/50/60fps
- Video Format: MP4 (MPEG-4 AVC/H.264, HEVC/H.265)
- Max Video Bitrate: H.264/H.265: 130 Mbps*
- Supported File System: exFAT

I. Color Mode and Sampling Method

- Wide-Angle/Medium Tele Camera
- Normal (FHD/2.7K): 8-bit 4:2:0 (H.264)
- Normal (FHD/2.7K): 10-bit 4:2:0 (H.265)
- HLG/D-Log M (FHD/2.7K): 10-bit 4:2:0 (H.264/H.265)
- Normal/HLG/D-Log M (4K): 10-bit 4:2:0 (H.265)

J. Digital Zoom

- Wide-Angle Camera: 1-2.9x
- Medium Tele Camera: 3-9x

K. Gimbal

- Stabilization: 3-axis mechanical gimbal (tilt, roll, pan)
- Mechanical Range
- Tilt: -135° to 70°
- Roll: -50° to 50°
- Pan: -27° to 27°
- Controllable Range
- Tilt: -90° to 60°
- Pan: -5° to 5°
- Max Control Speed (tilt): 100°/s
- Angular Vibration Range: ±0.0037°

L. Sensing

- Sensing Type: Omnidirectional, supplemented with forward-facing LiDAR and an infrared sensor
- Forward
- Measurement Range: 0.5-18m
- Detection Range: 0.5-200 m
- Effective Sensing Speed: Flight Speed ≤ 15 m/s
- FOV: Horizontal 90°, Vertical 72°
- Backward
- Measurement Range: 0.5-18 m
- Effective Sensing Speed: Flight Speed ≤ 14 m/s
- FOV: Horizontal 90°, Vertical 72°
- Lateral
- Measurement Range: 0.5-30 m
- Effective Sensing Speed: Flight Speed ≤ 14 m/s
- FOV: Horizontal 90°, Vertical 72°
- Upward
- Measurement Range: 0.5-18 m
- Effective Sensing Speed: Flight Speed ≤ 6 m/s
- FOV: Front and Back 72°, Left and Right 90°
- Downward
- Measurement Range: 0.3-14 m
- Effective Sensing Speed: Flight Speed ≤ 6 m/s
- FOV: Front and Back 106°, Left and Right 90°

M. 3D Infrared Sensor

- Forward-Facing LiDAR
- Measurement Range (nighttime): 0.5-25 m (reflectivity > 10%)
- FOV: Up and Down 60°, Left and Right 60°
- Downward-Facing Infrared Sensor
- Measurement Range: 0.3-8 m (reflectivity > 10%
- FOV: Front and Back 60°, Left and Right 60°

N. Video Transmission

- Video Transmission System: 04
- Live View Quality 1080p/30fps, 1080p/60fps
- Max Transmission Distance (unobstructed, with interference): FCC: 20 km, CE: 10 km, SRRC: 10 km, MIC: 10 km
- Max Transmission Distance (obstructed, with interference)

•	Low Interference and Obstructed by Buildings: Approx. 0-0.5 km		
	Lowest Latency: Aircraft + Remote Controller: Approx.		
	120 ms		
•	Antenna: 6 antennas, 2T4R		
•	Wi-Fi Protocol: 802.11 a/b/g/n/ac		
•	W-Fi Operating Frequency: 2.400-2.4835 GHz, 5.725-5.850 GHz		
•	Wi-Fi Transmitter Power (EIRP): 2.4 GHz: < 20 dBm		
	(FCC/CE/SRRC/MIC), 5.8 GHz: < 20 dBm (FCC/SRRC) <		
	14 dBm (CE)		
•	Bluetooth Protocol: Bluetooth 5.2		
•	Bluetooth Operating Frequency: 2.400-2.4835 GHz		
•	Bluetooth Transmitter Power (EIRP): < 10 dBm		
•	Battery Capacity: 4276 mAh		
•	Nominal Voltage: 4.6 V		
•	Battery Type: Li-ion 4S		
	Inclusion: Battery charging hub		
O. Rer	note Controller		
•	Max Supported Mobile Device Size: 180x86x10 mm		
	(LxWxH)		
•	Operating Temperature: -10° to 40° C (14° to 104° F)		
•	Charging Type: 5V/2A	l l	
•	Battery Capacity: 9.36 Wh (3.6 V, 2600 mAh)		
•	Supported Mobile Device Port Type: Lightning, USB-C,		1
	Micro-USB		
•	Video Transmission Operating Frequency: 2.4000-		
	2.4835 GHz, 5.170-5.250 GHz, 5.725-5.850 GHz		
•	Warranty: at least one (1) year		

Note: Good/s shall be delivered within 30CD from the date of acceptance of the Purchase Order

I hereby certify to comply and deliver all the above requirements.

Signature over Printe	d Name of the Representative
Company Name : _	
Date Signed :	
Email/Phone No.:	

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- W-Fi Operating Frequency: 2.400-2.4835 GHz, 5.725-5.850 GHz
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- Bluetooth Protocol: Bluetooth 5.2
- Bluetooth Operating Frequency: 2.400-2.4835 GHz
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- Battery Capacity: 4276 mAh

•	Nominal Voltage: 4.6 V		
•	Battery Type: Li-ion 4S		
•	Inclusion: Battery charging hub		
O. Re	mote Controller		
•	Max Supported Mobile Device Size: 180x86x10 mm (LxWxH)		
•	Operating Temperature: -10° to 40° C (14° to 104° F)		
•	Charging Type: 5V/2A		
•	Battery Capacity: 9.36 Wh (3.6 V, 2600 mAh)		
•	Supported Mobile Device Port Type: Lightning, USB-C, Micro-USB		
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•	Warranty: at least one (1) year		

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Signature over Printe	ed Name of the Representative
Company Name : Date Signed :	
Email/Phone No.:	