



**REQUEST FOR QUOTATION
PROCUREMENT OF 1-UNIT DRONE (UAV)
(Small Value Procurement)**

The PMO-NCR North Bids and Awards Committee (PMO-NCR-NORTH-BAC) will undertake a Project for the Procurement of 1-Unit Drone (UAV), through Small Value Procurement, in accordance with Section 53.9 of the Implementing Rules and Regulations of Republic Act No. 9184.

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|---|---|
| Name of Project | : Procurement of 1-Unit Drone (UAV) |
| Approved Budget for the Contract | : Sixty Five Thousand Pesos Only (P65,000.00) |
| Location | : PMO-NCR North Admin. Bldg. Mel Lopez Boulevard, North Harbor, Tondo, Manila |
| Delivery Date | : Upon Issuance of Approved Purchase Order |

Interested suppliers are required to submit their valid Mayor's/Business Permit, PhilGEPS Registration Number, Income/Business Tax Return and Omnibus Sworn Statement.

The price quotation and eligibility documents must be submitted **on or before Dec. 22 2021, 5:00 p.m.** to the PMO-NCR North BAC Secretariat at the PMO-NCR North Admin Bldg., Mel Lopez Blvd., North Harbor, Tondo, Manila. Please submit your lowest and most responsive quotation together with the RFQ in a sealed envelope marked as follows:

The Chairperson
PMO-NCR North Bids and Awards Committee
Procurement of 1-Unit Drone (UAV)
PMO-NCR North Admin. Bldg. Mel Lopez Boulevard,
North Harbor, Tondo, Manila

The PMO-NCR North Bids and Awards Committee reserves the right to accept or reject any price quotation, waive any formality in the RFQ, annul the procurement process, reject any or all price quotations at any time prior to contract award, declare the procurement process a failure, without thereby incurring any liability to the affected Participating Supplier or any person.

For further information, please refer to:

The BAC Secretariat
PMO-NCR North Bids and Awards Committee
G/F, PMO-NCR North Admin. Bldg.,
Mel Lopez Boulevard, North Harbor, Tondo, Manila
Telefax No. #8245-2929

Email Address: bac.ncrn@gmail.com

Very truly yours,



FRANCIS ALDRICH A. RUBIO
BAC Chairperson

REQUEST FOR QUOTATION

Date: _____

MR. FRANCIS ALDRICH A. RUBIO

Chairperson, Bids and Awards Committee
 Port Management Office-NCR North
 Administration Bldg. Mel Lopez Blvd.
 North Harbor, Tondo, Manila

Dear Mr. Rubio;

After having carefully read and accepted the terms and conditions in the Request for Quotation (RFQ) for the " **Procurement of 1-Unit Drone (UAV)**" posted by your office, we hereby submit our proposal corresponding to your requirements.

| ITEM | QTY | UNIT | ARTICLE(S) AND DESCRIPTION | UNIT PRICE | TOTAL AMOUNT |
|------|-----|------|---|------------|--------------|
| 1 | 1 | Lot | Drone Technical Specs: Aircraft: <ul style="list-style-type: none"> • Weight : 570g • Size: Folded: 180x97x84mm(LengthxWidthxHeight) Unfolded: 183x253x77mm(LengthxWidthxHeight) • Diagonal Distance: 302mm • Max Ascent Speed: 4m/s (S Mode) 4m/s (N Mode) • Max Descent Speed 3 m/s (S Mode) 3 m/s (N Mode) 5 m/s (S mode and N Mode during a sharp descent) 3 m/s (all modes at elevations over 4500m) • Max Service Ceilling Above Sea Level 5000m • Max Flight Time (without wind) 34 Minutes • Max Hover Time (without wind) 33 Minutes • Max Flight Distance 18.5 km • Max Horizontal Flight Speed 19 m/s (S Mode) 12 m/s (M Mode) | P | P |

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| | | | <p>5 m/s (T Mode)</p> <ul style="list-style-type: none"> • Max Wind Resistance 8.5-10.5 m/s (Level 5) • Max Tilt Angle 35° (S mode) 20° (N Mode) 35° (N Mode under strong wind) • Max Angular Velocity 250° (S Mode) 250° (N Mode) • Operating Temperature Range -10° to 40°C (14° to 104°F) • Operating Frequency 2.400-2.4835 GHz 5.725-5.850 GHz • Transmitter Power (EIRP) 2.400-2.4835 GHz: FCC:≤26 dBm CE:≤20 dBm SRRC:≤20 dBm MIC:≤20 dBm <p>5.725-5.850 GHz: FCC:≤26 dBm CE:≤14 dBm SRRC:≤26 dBm</p> <ul style="list-style-type: none"> • Hovering Accuracy Range Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GPS positioning) Horizontal: ±0.1 m (with vision positioning) ±1.5 m (with GPS positioning) • Propellers Quick release , low noise, folding • Satellite Systems GPS+GLONASS • Compass: Single Compass • IMU: Single IMU • Internal Storage: 8 GB <p>Battery</p> <ul style="list-style-type: none"> • Capacity: 3500 mAh • Voltage: 11.55 V • Charging Voltage Limit: 13.2 V • Battery Type: LiPo 3S • Energy: 40.42 Wh • Weight: 198g • Charging Temperature: 5° to 40°C (41° to 104°F) • Max Charging Power: 38W <p>Camera</p> <ul style="list-style-type: none"> • Sensor : ½" CMOS Effective Pixels: 12 MP and 48 MP | | |
|--|--|--|--|--|--|

- Lens: FOV:84°
Equivalent Focal Length: 24 mm
Aperture: f/2.8
Focus Range: 1 m to ∞
- ISO
- Video: 100-6400
Photo (12 MP):
100-3200 (Auto)
100-6400 (Manual)

- Photo (48 MP):
100-1600 (Auto)
100-3200 (Manual)
- Max Photo Resolution
48 MP 8000x6000 pixel
- Photo Modes:
Single: 12 MP and 48MP
Burst: 12 MP, 3/5/7 frames
Automatic Exposure Bracketing (AEB)
12MP, 3/5 Frames at 0.7EV Bias
Timed: 12MP 2/3/5/7/10/15/20/30/60
seconds
SmartPhoto: Scene Recognition,
Hyperlight, and HDR
HDR Panorama:
Vertical (3x1): 3328x8000 pixels
(Width x Height)
Wide-angle(3x3):8000x6144 pixels
(Width x Height)
180° Panorama (3x7):8192x3500
pixels (Width x Height)
Sphere (3x8+1): 8192x4096 pixels
(Width x Height)
- Photo Formats: JPEG/DNG(RAW)
- Video Resolution Frame Rates
4K Ultra HD: 3840x2160
24/25/30/48/50/60fps
2.7K: 2688x1512 24/25/30/48/50/60fps
FHD: 1920x1080
24/25/30/48/50/60/120/240 fps
4K Ultra HD HDR: 3840x2160
24/25/30 fps
2.7K HDR 2688x1512 24/25/30 fps
FHD HDR: 1920x1080 24/25/30 fps
- Color Profiles: D-Cinelike, Normal
- Video Formats
MP4/MOV (H.264/MPEG-4 AVC,
H.265/HEVC)
- Max Bitrate: 120 Mbps
- Supported SD Cards
Supports a microSD with capacity of
up to 256 GB
- Supported File Systems
FAT32 and exFAT
- Zoom: Available

Gimbal

- Stabilization
3-axis (tilt,roll,pan)
- Mechanical Range
Tilt:-135° to 45°
Roll: -45° to 45°
Pan: -100° to 100°
- Controllable Range
Tilt: -90° to 0°(Default)
-90° to 24°(Extended)
- Max Controllable Speed (tilt): 100°/s
- Angular Vibration Range: ±0.01°

Vision System

- Forward
Precision Measurement Range: 0.35-22.0m
Detection Range: 0.35 to 44m
Effective Sensing Speed: 12m/s
Field of View (FOV): 71°(horizontal), 56°(vertical)
- Backward
Precision Measurement Range: 0.37-23.6m
Detection Range: 0.37 to 47.2m
Effective Sensing Speed: 12m/s
Field of View (FOV): 57°(horizontal), 44°(vertical)
- Available Downward Sensors
Dual Vision Sensors + Time of Flight Sensors (ToF)
- Downward
ToF Measurement Range: 0.1-8 m
Hovering Range: 0.5-30m
Vision Sensor Hovering Range: 0.5-60 m
- Left/Right: None
- Downward Auxillary Light: Single LED

Safety

- Obstacle Avoidance System
Advance Pilot Assistance System (APAS) 3.0

Video Transmission

- Transmission System
OcuSync 2.0 2.4 GHz/5.8 GHz Auto Switching
- Max Transmission Distance
10 km (FCC), 6 km (CE), 6 km(SSRC), 6 km (MIC)
- Live View Quality:
720p@30fps/1080p@30fps
- Latency (depending on environmental conditions and mobile device)
120-130 ms

- Video Transmission Encoding format
- H.265/H.264 (Auto-switches depending on encoding capabilities of device)
- Max Transmission Bitrate: 12 Mbps
- Operating Frequency
2.400-2.4835 GHz
5.725-5.850 GHz

Remote Controller

- Remote Controller Transmission System: OcuSync 2.0
- Supported Mobile Device Connectors
Lightning, Micro USB, USB Type-C
- Max. Supported Mobile Device Size
180x86x10 mm
(HeightxWidthxThickness)
- Operating Temperature: -10° to 40°
(14° to 104°F)
- Transmitter Power (EIRP)
2.400-2.4835 GHz:
FCC: ≤26 dBm
CE: ≤20 dBm
SRRC: ≤20 dBm
MIC: ≤20 dBm

5.725-5.850 GHz
FCC: ≤26 dBm
CE: ≤14 dBm
SRRC: ≤ 26 dBm
- Operating Current/Voltage
1200 mA@3.6V (Android)
700 mA@3.6V (iOS)

Charger

- Charging Input: 100-240 V, 50/60 Hz, 1.3A
- Charging Output
Charging Port: 13.2V=2.82 A
USB Port : 5V =2 A
- Voltage: 13.2 V
- Rated Power: 38 W

SD Cards

- Supported SD Cards
Micro SD™
Supports a microSD card with a capacity of up to 256 GB
A UHS-I Speed Grade 3 rating microSD card is required

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|--|--|---|---------------------|--|
| | | Accessories: <ul style="list-style-type: none"> • 3pcs units Intelligent Flight Battery • 1pc AC power Cable • 6pcs Low-Noise Propellers (pair) • 1pc RC Cable (USB Type-C Connector) • 1pc Battery Charger • 1pc RC Cable (Lightning Connector) • 1pc RC Cable (Standard Micro-USB Connector) • 1pc Gimbal Protector • 1pc Type C Cable • 1set Pair of Spare Control Sticks • 1set ND Filters Set(ND16/64/256) • 1pc Battery Charging Hub • 1pc Battery to Power bank Adaptor • 1pc Shoulder bag | | |
| | | | TOTAL AMOUNT | |

NOTE:

1. Quoted price shall be inclusive of applicable taxes and shall be firm and valid for a period of at least thirty (30) days from receipt of quotation and shall be binding upon the supplier within the period.
2. Delivery period shall be within fourteen (14) calendar days from receipt of Notice of Award/Purchase Order.
3. The P.O. shall be awarded to the lowest calculated responsive bid. Delivered items are subject to inspection, with payment processing to commence only after acceptance by the end-users.
4. Terms of Payment within thirty (30) calendar days from date of acceptance.
5. Bidders shall submit with the quotations technical brochures of the products being offered.
6. As a government agency, PPA shall deal only with legitimate suppliers/contractors which issue BIR-registered official receipts.
7. PPA reserves the right to post-qualify any supplier and/or reject any or all submitted quotations.

Name of Company: _____

Delivery Period: _____

Warranty Period: _____

Price Validity: _____

After having carefully read and accepted your conditions above, I/We quote you on the item at prices specified in the quotation form.

Print Name and Signature

Telephone Number

Email address

Date