



Republic of the Philippines
Department of Environment and Natural Resources
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
Catbalogan City
Tel. No (055) 251-6220

RFQ NO.: 2022-06-0230-B

REQUEST FOR QUOTATION

Closing Date: July 29, 2022, 10 AM

SIR/MADAM:

Please quote your lowest price for the following items enumerated below, taking into consideration to the following:

TERMS AND CONDITIONS

1. The Approved Budget for the purchase is **P 250,000.00**.
2. Price Quotation should be inclusive of the 5% Final VAT and expanded withholding tax (EWT) of 1%.
3. Price Quotation shall be valid within thirty calendar days from the deadline of the RFQ.
4. Delivery period is within ten (10) calendar days from the receipt of the Purchase Order
5. If awarded the contract, processing and payment shall be made after the complete delivery of the services/supplies and final acceptance.
6. Refusal to accept an award maybe ground for the imposition of administrative sanctions under Rule XXII of the Revised IRR of RA 9184.
7. FOB-DESTINATION
8. The procuring entity may terminate the contract, in whole or in part, at any time for unsatisfactory service.
9. All quotation must be submitted to catbpenro@yahoo.com on or before the closing date indicated above.

| QTY | UNIT | DESCRIPTION | UNIT PRICE | TOTAL |
|-----|------|--|------------|-------|
| ONE | LOT | One unit Drone Camera With accessories Specs: Aircraft Takeoff Weight 895 g Dimensions (Folded/Unfolded) Folded (without propellers) 221×96.3×90.3 mm (Length×Width×Height) Unfolded (without propellers) 347.5×283×107.7 mm (Length×Width×Height) Diagonal Length 380.1 mm Max Ascent Speed 1 m/s (C mode) 6 m/s (N mode) 8 m/s (S mode) Max Descent Speed 1 m/s (C mode) 6 m/s (N mode) 6 m/s (S mode) Max Flight Speed (at sea level, no wind) 5 m/s (C mode) 15 m/s (N mode) 19 m/s (S mode) | | |

Max Service Ceiling Above Sea Level
6000 m
Max Flight Time (no wind)
46 minutes
Max Hovering Time (no wind)
40 minutes
Max Flight Distance
30 km
Max Wind Speed Resistance
12 m/s
Max Tilt Angle
25° (C mode)
30° (N mode)
35° (S mode)
Max Angular Velocity
200°/s
Operating Temperature
-10° to 40° C (14° to 104° F)
GNSS
GPS + Galileo + BeiDou
Hovering Accuracy Range
Vertical: ±0.1 m (with Vision Positioning); ±0.5 m
(with GNSS Positioning)
Horizontal: ±0.3 m (with Vision Positioning); ±0.5 m
(with High-Precision Positioning System)
Internal Storage
Mavic 3: 8 GB (available space is approx. 7.2 GB)
Mavic 3 Cine: 1TB (available space is approx. 934.8 GB)

Hasselblad Camera
Sensor
4/3 CMOS, Effective pixels: 20 MP
Lens
FOV: 84°
Format Equivalent: 24 mm
Aperture: f/2.8 to f/11
Focus: 1 m to ∞ (with autofocus)
ISO Range
Video: 100-6400
Still Image: 100-6400
Shutter Speed
Electronic Shutter: 8-1/8000 s
Max Image Size
Main Unit: 5280×3956
Still Photography Modes
Single shot: 20MP Photos
Automatic Exposure Bracketing (AEB): 20 MP, 3/5
bracketed frames at 0.7 EV
Burst shooting: 20 MP, 3/5/7
Timed: 20 MP, 2/3/5/7/10/15/20/30/60 s
Video Resolution
Apple ProRes 422 HQ
Apple ProRes 422
Apple ProRes 422 LT
5.1K: 5120×2700@24/25/30/48/50fps
DCI 4K: 4096×2160@24/25/30/48/50/60/120*fps
4K: 3840×2160@24/25/30/48/50/60/120*fps

H.264/H.265
5.1K: 5120×2700@24/25/30/48/50fps
DCI 4K: 4096×2160@24/25/30/48/50/60/120*fps

4K: 3840×2160@24/25/30/48/50/60/120*fps
FHD: 1920×1080@24/25/30/48/50/60/120*/200*fps

* Framerates above are recording framerates. Videos will be played as slow-motion videos.

Max Video Bitrate

H.264/H.265 Bitrate: 200 Mbps

Apple ProRes 422 HQ Bitrate: 3,772 Mbps

Apple ProRes 422 Bitrate: 2,514 Mbps

Apple ProRes 422 LT Bitrate: 1,750 Mbps

Supported File Formats

exFAT

Photo Format

JPEG/DNG (RAW)

Video Formats

Mavic 3:

MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)

Mavic 3 Cine:

MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)

MOV (Apple ProRes 422 HQ/422/422 LT)

Tele Camera

Sensor

1/2-inch CMOS

Shutter Speed

Electronic Shutter: 2-1/8000 s

Lens

FOV: 15°

Format Equivalent: 162mm

Aperture: f/4.4

Focus: 3 m to ∞

ISO Range

Video: 100-6400

Still Image: 100-6400

Max Image Size

4000×3000

Photo Format

JPEG/DNG (RAW)

Video Formats

MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)

Still Photography Modes

Single shot: 12MP Photos

Automatic Exposure Bracketing (AEB): 12 MP, 3/5 bracketed frames at 0.7 EV

Burst shooting: 12 MP, 3/5/7

Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s

Video Resolution

H.264/H.265

4K: 3840×2160@25/30/50fps

FHD: 1920×1080@25/30/50fps

Digital Zoom

4x

Gimbal

Stabilization

3-axis motorized (tilt, roll, pan)

Mechanical Range

Tilt: -135° to 100°

Roll: -45° to 45°

Pan: -27° to 27°

Controllable Range

Tilt: -90° to 35°

Pan: -5° to 5°
Max Control Speed (tilt)
 $100^{\circ}/s$
Angular Vibration Range
 $\pm 0.007^{\circ}$

Sensing

Sensing System

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 $\leq 15m/s$

FOV: Horizontal 90° , Vertical 103°

Backward

Measurement Range: 0.5-16 m

Effective Sensing Speed: Flight Speed $\leq 12m/s$

FOV: Horizontal 90° , Vertical 103°

Lateral

Measurement Range: 0.5-25 m

Effective Sensing Speed: Flight Speed $\leq 15m/s$

FOV: Horizontal 90° , Vertical 85°

Upward

Measurement Range: 0.2-10 m

Effective Sensing Speed: Flight Speed $\leq 6m/s$

FOV: Front and Back 100° , Left and Right 90°

Downward

Measurement Range: 0.3-18 m

Effective Sensing Speed: Flight Speed $\leq 6m/s$

FOV: Front and Back 130° , Left and Right 160°

Operating Environment

Forward, Backward, Left, Right, and Upward: Surface with a clear pattern and adequate lighting ($lux > 15$)

Downward: Surface with a clear pattern and adequate lighting ($lux > 15$). Diffuse reflective surface with diffuse reflectivity $> 20\%$ (e.g. wall, tree, person)

Video Transmission

Video Transmission System

O3+

Live View Quality

Remote Controller: 1080p@30fps/1080p@60fps

Operation Frequency

2.400-2.4835 GHz

5.725-5.850 GHz

Max Transmission Distance (unobstructed, free of interference and aligned with controller)

2.400-2.4835 GHz; 5.725-5.850 GHz

FCC: 15 km

CE: 8 km

SRRC: 8 km

MIC: 8 km

Signal Transmission Ranges (FCC)

Strong Interference (urban landscape, limited line of sight, many competing signals): Approx. 1.5-3 km
Medium Interference (suburban landscape, open line of sight, some competing signals): Approx. 3-9 km
Low Interference (open landscape abundant line of sight, few competing signals): Approx. 9-15 km

Data is tested under different standards in open areas free of interference. It only refers to the maximum, one-way flight distance without considering Return to Home. Please pay attention to RTH prompts in the DJI Fly app during actual flight.

Max Download Bitrate

O3+:

5.5MB/s (with RC-N1 remote controller)

15MB/s (with DJI RC Pro remote controller)

Wi-Fi 6:

80MB/s*

* Measured in laboratory environments with little interference in countries/regions that support both 2.4GHz and 5.8GHz, and the footage is saved in the built-in SSD or internal storage. Download speed may vary depending on actual conditions.

Latency (depending on environmental conditions and mobile device)

130 ms (with RC-N1 remote controller)

120 ms (with DJI RC Pro remote controller)

Antennas

4 antennas, 2T4R

Transmitter Power (EIRP)

2.4 GHz: ≤ 33 dBm (FCC); ≤ 20 dBm (CE/SRRC/MIC)

5.8 GHz: ≤ 33 dBm (FCC), ≤ 30 dBm(SRRC), ≤ 14 dBm(CE)

Battery

Capacity

5000 mAh

Voltage

15.4 V

Charging Voltage Limit

17.6 V

Battery Type

LiPo 4S

Energy

77 Wh

Weight

335.5 g

Charging Temperature

5° to 40° C (41° to 104° F)

Battery Charger

Input

100-240 V AC, 47-63 Hz, 2.0 A

USB-C Output

USB-C: 5.0 V \Rightarrow 5.0 A/9.0 V \Rightarrow 5.0 A/12.0 V \Rightarrow 5.0 A/15.0 V \Rightarrow 4.3 A/20.0 V \Rightarrow 3.25 A/5.0~20.0 V \Rightarrow 3.25 A

USB-A output

USB-A: 5 V \Rightarrow 2 A

Rated Power

65 W
Charging Hub
Input
USB-C: 5-20 V=5.0 A max
Output
Battery: 12-17.6 V=5.0 A max
Rated Power
65 W
Charging Type
Charges three batteries in sequence.
Charging Temperature Range
5° to 40° C (41° to 104° F)
Car Charger
Input
Car Power Input: 12.7-16 V=6.5 A, rated voltage 14 V DC
Output
USB-C: 5.0 V=5.0 A/9.0 V=5.0 A/12.0 V=5.0 A/15.0 V=4.3A/20.0 V=3.25 A/5.0~20.0 V=3.25 A
USB-A: 5 V=2 A
Rated Power
65 W
Charging Time
Approx. 96 minutes
Charging Temperature Range
5° to 40° C (41° to 104° F)
Storage
Recommended microSD Cards
Standard bitrate video recommended microSD Cards:
H.265 :
5.1K: 5120×2700@24/25/30/48/50fps
DCI 4K: 4096×2160@24/25/30/48/50/60/120fps
4K: 3840×2160@24/25/30/48/50/60/120fps
FHD: 1920×1080@24/25/30/48/50/60/120/200fps
H.264:
DCI 4K: 4096×2160@24/25/30/48/50/60fps
4K: 3840×2160@24/25/30/48/50/60fps
FHD: 1920×1080@24/25/30/48/50/60/120/200fps
SanDisk Extreme Pro 64G v30 A2 microSDXC
SanDisk Extreme Pro 128G v30 A2 microSDXC
SanDisk Extreme Pro 256G v30 A2 microSDXC
SanDisk Extreme Pro 400G v30 A2 microSDXC
SanDisk High Endurance 64G v30 XC I microSDXC
SanDisk High Endurance 128G v30 XC I microSDXC
SanDisk High Endurance 256G v30 XC I microSDXC
SanDisk Extreme 128G v30 A2 microSDXC
SanDisk Extreme 256G v30 A2 microSDXC
SanDisk Extreme 512G v30 A2 microSDXC
Lexar 667x 64G microSDXC
Lexar 667x 128G microSDXC
Lexar 667x 256G microSDXC
Lexar High Endurance 64G V30 XC I microSDXC
Lexar High Endurance 128G microSDXC
Samsung EVO Plus 64G microSDXC
Samsung EVO Plus 128G microSDXC
Samsung EVO Plus 256G microSDXC
Samsung EVO Plus 512G microSDXC

High bitrate video recommended microSD Cards:
H.264:
5.1K: 5120×2700@24/25/30/48/50fps

DCI 4K: 4096×2160@120fps
 4K: 3840×2160@120fps
 SanDisk Extreme Pro 64G v30 A2 microSDXC
 SanDisk Extreme Pro 128G v30 A2 microSDXC
 SanDisk Extreme Pro 256G v30 A2 microSDXC
 SanDisk Extreme Pro 400G v30 A2 microSDXC
 SanDisk High Endurance 64G v30 XC I microSDXC
 SanDisk High Endurance 128G v30 XC I microSDXC
 SanDisk High Endurance 256G v30 XC I microSDXC
 Lexar High Endurance 64G V30 XC I microSDXC
 Lexar High Endurance 128G microSDXC
 Lexar 667x 64G microSDXC Lexar 667x 128G microSDXC
 Lexar 667x 256G microSDXC

MicroSD Cards are not capable of recording Apple ProRes 422 HQ codec.

SSD Specs
 Mavic 3: 8 GB (available space is approx. 7.2 GB)
 Mavic 3 Cine: 1 TB (available space is approx. 934.8 GB)

DJI RC-N1 Remote Controller
 Remote Controller Transmission System
 When used with different aircraft hardware configurations, DJI RC-N1 Remote Controllers will automatically select the corresponding firmware version for updating and support the following transmission technologies enabled by the hardware performance of the linked aircraft models:

- DJI Mini 2/ DJI Mavic Air 2: O2
- DJI Air 2S: O3
- DJI Mavic 3: O3+

Max Supported Mobile Device Size
 180×86×10 mm (Length×Width×Height)

Operating Temperature
 0° to 40° C (32° to 104° F)

Transmitter Power (EIRP)

2.4 GHz:
 ≤26 dBm (FCC), ≤20 dBm (CE/SRRC/MIC)

5.8 GHz:
 ≤26 dBm (FCC/SRRC), ≤14 dBm (CE)

Battery Life
 Without charging any mobile device: 6 hr;
 when charging mobile device: 4 hr

Supported USB Port Types
 Lightning, Micro USB, USB-C

Shall include the following accessories:

- Remote Controller × 1
- Control Sticks (Pair) × 1
- (USB Type-C Connector) × 1
- (Lightning Connector) × 1
- (Standard Micro-USB Connector) × 1
- Flight Battery × 3
- Propellers (pair) × 6
- Portable Charger × 1
- Storage Cover × 1
- Type-C Cable × 1
- Charging Hub × 1
- ND Filters Set (ND4/8/16/32) × 1

| | | | | |
|--|--|---|--|--|
| | | Two Units Micro SD Class 10 (128 gb) | | |
|--|--|---|--|--|

Date

I have read and understood the TERMS & CONDITIONS stated above.
By signing this quote, I hereby agree and bind myself to the TERMS & CONDITIONS.

MELYN E. GODIN
Planning Officer III

Signature Over Printed Name: _____
Position in firm: _____
Business Address: _____
Telephone No.: _____

JACKYLINE E. SILLA
Canvasser