



Date P.R No. **February 23, 2024**

Office/End User: DPWH-OFFICE(P.I.O)

TIN. No. _____

TERMS AND CONDITIONS:

1. All entries must be typewritten/legibly written.
2. Delivery period within TWENTY FIVE(25) C.D. upon receipt of the approved funded Purchase Order(P.O) Administrative Penalties pursuant to Section 69 of the Revised IRR RA 9184 shall be imposed for non-delivery without valid reason.
3. Warranty must be for a minimum of three(3)months for Supplies and Materials, one year for equipment 3 years IT Equipment,from date of acceptance by end user.
4. Price validity shall be for a period of sixty (60) Calendar days
5. G-EPS Registration Certificate/Mayor's Permit/DTI shall be attached upon submission of the
6. Bidders shall submit Original brochures of the product,
7. Please indicate the brand for each items being offered.
8. Omnibus Sworn Statement
9. The approved budget ceiling for this procurement is **Php 230,000.00**

ARNEL C. CAPILA
Engineer-III
BAC - Chairman

PURPOSE: FOR USE IN THE P.I.O UNIT. DPWH-SURIGAO DEL NORTE 2ND ENGINEERING DISTRICT, SURIGAO CI									
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Brand and Model					

Price Validity: _____

After having successfully read and accepted your General conditions, I/We quote on the item(s) at the prices noted above.

Printed Name/Signature

Tel. No./Cell No.



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ITEM	SPECIFICATION
Drone Camera	<p>Aircraft:</p> <p>Takeoff Weight: Mavic 3 Pro: 958 g</p> <p>Dimensions: Folded (without propellers): 231.1×98×95.4 mm (L×W×H) Unfolded (without propellers): 347.5×290.8×107.7 mm (L×W×H)</p> <p>Max Ascent Speed: 8 m/s</p> <p>Max Descent Speed: 6 m/s</p> <p>Max Horizontal Speed (at sea level, no wind): 21 m/s</p> <p>Max Takeoff Altitude: 6000 m</p> <p>Max Flight Time: 43 minutes</p> <p>Max Hovering Time: 37 minutes</p> <p>Max Flight Distance: 28 km</p> <p>Max Wind Speed Resistance: 12 m/s</p> <p>Max Pitch Angle: 35°</p> <p>Operating Temperature: -10° to 40° C (14° to 104° F)</p> <p>Global Navigation Satellite System: GPS + Galileo + BeiDou</p> <p>Hovering Accuracy Range:</p> <p>Vertical:</p> <p>±0.1 m (with vision positioning)</p> <p>±0.5 m (with GNSS positioning)</p> <p>Horizontal:</p> <p>±0.3 m (with vision positioning)</p> <p>±0.5 m (with high-precision positioning system)</p> <p>Internal Storage: Mavic 3 Pro: 8 GB (approx. 7.9GB available space)</p> <p>Camera:</p> <p>Image Sensor:</p> <p>Hasselblad Camera: 4/3 CMOS, Effective Pixels: 20 MP</p> <p>Medium Tele Camera: 1/1.3" CMOS, Effective Pixels: 48 MP</p> <p>Tele Camera: 1/2" CMOS, Effective Pixels: 12 MP</p> <p>Lens: Hasselblad Camera</p> <p>FOV: 84°</p> <p>Format Equivalent: 24mm</p> <p>Aperture: f/2.8-f/11</p> <p>Focus: 1 m to ∞</p> <p>Medium Tele Camera</p> <p>FOV: 35°</p> <p>Format Equivalent: 70mm</p> <p>Aperture: f/2.8</p> <p>Focus: 3 m to ∞</p> <p>Tele Camera</p> <p>FOV: 15°</p> <p>Format Equivalent: 166mm</p> <p>Aperture: f/3.4</p> <p>Focus: 3 m to ∞</p> <p>ISO Range: Video</p> <p>Normal and Slow Motion:</p> <p>100-6400 (Normal)</p> <p>400-1600 (D-Log)</p> <p>100-1600 (D-Log M)</p> <p>100-1600 (HLG)</p> <p>Night:</p> <p>800-12800 (Normal)</p>



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Photo
100-6400

Shutter Speed: Hasselblad Camera: 8-1/8000 s
Medium Tele Camera: 2-1/8000 s
Tele Camera: 2-1/8000 s

Max Image Size: Hasselblad Camera: 5280×3956
Medium Tele Camera: 8064×6048
Tele Camera: 4000×3000

Still Photography Modes:

Hasselblad Camera

Single Shot: 20 MP

Burst Shooting: 20 MP, 3/5/7 frames

Automatic Exposure Bracketing (AEB): 20 MP, 3/5 frames at 0.7 EV step

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

Medium Tele Camera

Single Shot: 12 MP or 48 MP

Burst Shooting: 12 MP or 48 MP, 3/5/7 frames

Automatic Exposure Bracketing (AEB): 12 MP or 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: 7/10/15/20/30/60 s

Tele Camera

Single Shot: 12 MP

Burst Shooting: 12 MP, 3/5/7 frames

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

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

Photo Format: JPEG/DNG (RAW)

Video Resolution:

Hasselblad Camera

Apple ProRes 422 HQ/422/422 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

* Recording frame rates. The corresponding video plays as slow-motion video.

Medium Tele Camera

Apple ProRes 422 HQ/422/422 LT

4K: 3840×2160@24/25/30/48/50/60fps

H.264/H.265

4K: 3840×2160@24/25/30/48/50/60fps

FHD: 1920×1080@24/25/30/48/50/60fps

Tele Camera

Apple ProRes 422 HQ/422/422 LT

4K: 3840×2160@24/25/30/48/50/60fps

H.264/H.265

4K: 3840×2160@24/25/30/50/60fps

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Video Format:

MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
MOV (Apple ProRes 422 HQ/422/422 LT)

Max Video Bitrate:

Hasselblad Camera:
H.264/H.265: 200 Mbps
ProRes 422 HQ: 3772 Mbps
ProRes 422: 2514 Mbps
ProRes 422 LT: 1750 Mbps

Medium Tele Camera:
H.264/H.265: 160 Mbps
ProRes 422 HQ: 1768 Mbps
ProRes 422: 1178 Mbps
ProRes 422 LT: 821 Mbps

Tele Camera:
H.264/H.265: 160 Mbps
ProRes 422 HQ: 1768 Mbps
ProRes 422: 1178 Mbps
ProRes 422 LT: 821 Mbps

Supported File System: exFAT

Digital Zoom: Hasselblad Camera: 1-3x
Medium Tele Camera: 3-7x
Tele Camera: 7-28x

Gimbal:

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

Mechanical Range: Tilt: -140° to 50°
Roll: -50° to 50°
Pan: -23° to 23°

Controllable Range: Tilt: -90° to 35°
Pan: -5° to 5°

Max Control Speed (tilt): 100°/s

Angular Vibration Range: Hovering Without Wind: $\pm 0.001^\circ$
Normal Mode: $\pm 0.003^\circ$
Sport Mode: $\pm 0.005^\circ$

Sensing:

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

Operating Environment:

Forward, Backward, Left, Right, and Upward:

surfaces with discernible patterns and adequate lighting (lux > 15)

Downward:

surfaces with discernible patterns, diffuse reflectivity > 20% (e.g. walls, trees, people), and adequate lighting (lux > 15)

Video Transmission:

Video Transmission System: O3+

Live View Quality: Remote Controller:
1080p/30fps, 1080p/60fps

Operating Frequency: 2.400-2.4835 GHz
5.725-5.850 GHz

Transmitter Power (EIRP): 2.4 GHz:
< 33 dBm (FCC)
< 20 dBm (CE/SRRC/MIC)



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	<p>When both ports are used, the max output power of one port is 82 W, and the charger will dynamically allocate the output power of the two ports according to the power load.</p> <p>Rated Power: DJI 65W Portable Charger: 65 W DJI 100W USB-C Power Adapter: 100 W</p> <p>Battery Charging Hub:</p> <p>Input: USB-C: 5-20 V, max 5 A Output: Battery Port: 12-17.6 V, max 5 A Rated Power: Battery Charging Hub: 65 W Battery Charging Hub (100W): 100 W Charging Type: Three batteries charged in sequence. Compatibility: DJI Mavic 3 Intelligent Flight Battery</p> <p>Storage:</p> <p>Recommended microSD Cards: 64GB V30 A2 microSDXC 128GB V30 A2 microSDXC 256GB V30 A2 microSDXC 512GB V30 A2 microSDXC</p>
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