PHILIPPINE INSTITUTE FOR DEVELOPMENT STUDIES
18th Floor Three Cyberpod Centris-North Tower EDSA Quezon City
Tel No. *8877-4013/4006* : Fax *8877-4099* : TIN # 000-844-550

REQUEST FOR QUOTATION

Date: March 25, 2025
Reference No (PR No.): 2025-082

To All Interested Bidders:

This is to request for quotation on the PIDS procurement requirement enumerated hereunder. If you are interested and, in a position, to furnish the same, we shall be glad to have your best price, terms and conditions of delivery, submitted not later than **31 March 2025 (10:00AM)** addressed to the *Procurement Management Division of the Administrative and Finance Department* at the abovementioned address. PIDS reserves the right to reject any and/or all bids, declare failure of bidding, or not award the contract under the conditions specified in Section 41 of the 2016 Revised IRR of RA 9184.

*The price quotation/s, to be denominated in Philippine peso, **shall include all applicable taxes**, duties, and/or levies payable*.

Very truly yours,

July R. Suing
CAO, Procurement Management Division

Item	Qty	UOM	Articles/Description	Unit Cost	Total Cost
	1	unit	Supply and delivery of Professional Camera Drone. See attached specifications. ABC – PhP180,000.00 Delivery Terms: Within thirty (30) calendar days upon receipt of Purchase Order.		
			Requirements: • Valid Mayor's/Business Permit • PhilGEPS Registration No. (*if **PhilGEPS Platinum Certificate** is provided, Mayor's/Business Permit is no longer required, as long as the attached permit in the Certificate is valid.*) • Notarized Omnibus Sworn Statement ○ Notarized Authority of the Signatory (if applicable)		

The price and details of the above offer are certified correct:

Name of Firm (*Bidder*)	Signature over Printed Name *of Bidder's Representative*
Address	Business Permit No.
Telephone *and/or Mobile No*.	Tax Identification *Number (TIN)*
Email Address	PhilGEPS Registration Number

Note: PIDS is evaluating its supplier's performance based on the quality of services rendered or goods delivered, timeliness of delivery, customer/after sales service and overall quality of service.

Professional Camera Drone Technical Specifications – 1 Unit

Aircraft:	
Takeoff Weight	At least 958g
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)
Max Ascent Speed	8 m/s
Max Descent Speed	6 m/s
Max Horizontal Speed (at sea level, no wind)	21 m/s
Max Takeoff Altitude	6000 m
Max Flight Time	43 Flight Time (Measured in a controlled test environment. Specific test conditions are as follows: flying at a constant speed of 32.4 kph in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.)
Max Hovering Time	37 minutes (Measured in a controlled test environment. Specific test conditions are as follows: hovering in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.)
Max Flight Distance	28 km (The flight distance is different from the video transmission distance. The data was tested in a controlled environment, under the following specific test conditions: flying at a constant speed of 50.4 kph in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.)
Max Wind Speed Resistance	12 m/s
Max Pitch Angle	35^{O}
Operating Temperature	-10° to 40° C (14° to 104° F)
Global Navigation Satellite System	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	1TB (approximately 934.8GB available space)
Class	C2 (EU)
Camera:	
Image Sensor	• Hasselblad Camera: 4/3 CMOS, Effective Pixels: 20 MP • Medium Tele Camera: 1/1.3" CMOS, Effective Pixels: 48 MP • Tele Camera: 1/2" CMOS, Effective Pixels: 12 MP
Lens	**Hasselblad Camera**: • FOV: 84° • Format Equivalent: 24mm • Aperture: f/2.8-f/11 • Focus: 1 m to ∞ **Medium Tele Camera:** • FOV: 35° • Format Equivalent: 70mm • Aperture: f/2.8 • Focus: 3 m to ∞ **Tele Camera:**

	• FOV: 15° • Format Equivalent: 166mm • Aperture: f/3.4 • Focus: 3 m to ∞
ISO Range	**Video:** • Normal and Slow Motion: • 100-6400 (Normal) • 400-1600 (D-Log) • 100-1600 (D-Log M) • 100-1600 (HLG) **Night:** • 800-12800 (Normal) **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:** • 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:** • 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:**

	• 4K: 3840×2160@24/25/30/48/50/60fps • H.264/H.265 • 4K: 3840×2160@24/25/30/50/60fps • FHD: 1920×1080@24/25/30/50/60fps
Video Format	• MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Max Video Bitrate	**Hasselblad Camera:** • H.264/H.265: 200 Mbps **Medium Tele Camera:** • H.264/H.265: 160 Mbps **Tele Camera:** • H.264/H.265: 160 Mbps
Supported File System	exFAT

Color Mode and Sampling Method	**Hasselblad Camera:**
	• Normal:
	  ○ 8-bit 4:2:0 (H.264/H.265)
	• D-Log:
	  ○ 10-bit 4:2:0 (H.264/H.265)
	• HLG/D-Log M:
	  ○ 10-bit 4:2:0 (H.265)
	Medium Tele Camera:
	• Normal:
	  ○ 8-bit 4:2:0 (H.264/H.265)
	• HLG/D-Log M:
	  ○ 10-bit 4:2:0 (H.265)
	Tele Camera:
	• Normal:
	  ○ 8-bit 4:2:0 (H.264/H.265)
	• HLG/D-Log M:
	  ○ 10-bit 4:2:0 (H.265)

Digital Zoom (only in Normal Video Mode and Explore Mode)	• 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: ±0.001° • Normal Mode: ±0.003° • Sport Mode: ±0.005°
Sensing:	
Sensing Type	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 ≤ 15 m/s • FOV: Horizontal 90°, Vertical 103°
Backward	• Measurement Range: 0.5-16 m • Effective Sensing Speed: Flight Speed ≤ 12 m/s • FOV: Horizontal 90°, Vertical 103°
Lateral	• Measurement Range: 0.5-25 m • Effective Sensing Speed: Flight Speed ≤ 15 m/s • FOV: Horizontal 90°, Vertical 85°
Upward	• Measurement Range: 0.2-10 m

	• Effective Sensing Speed: Flight Speed ≤ 6 m/s • FOV: Front and Back 100°, Left and Right 90°
Downward	• Measurement Range: 0.3-18 m • Effective Sensing Speed: Flight Speed ≤ 6 m/s • FOV: Front and Back 130°, Left and Right 160°
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)
	• **5.8 GHz:**
	  ○ < 33 dBm (FCC)
	  ○ < 30 dBm (SRRC)
	  ○ < 14 dBm (CE)

Max Transmission Distance (unobstructed, free of interference)	• FCC: 15 km • CE: 8 km • SRRC: 8 km • MIC: 8 km (Measured in an unobstructed outdoor environment free of interference. The above data shows the farthest communication range for one-way, non-return flights under each standard. During your flight, please pay attention to RTH reminders in the app.)
Max Transmission Distance (unobstructed, with interference)	• Strong Interference: Urban landscape, approx. 1.5-3 km • Medium Interference: Suburban landscape, approx. 3-9 km • Low Interference: Suburb/seaside, approx. 9-15 km (Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee for actual transmission distance.)
Max Transmission Distance (obstructed, with interference)	• Low Interference and Obstructed by Buildings: approx. 0-0.5 km • Low Interference and Obstructed by Trees: approx. 0.5-3 km (Data tested under FCC standard in environments with typical low interference. Used for reference purposes only and provides no guarantee for actual transmission distance.)
Max Download Speed	• O3+: 5.5 MB/s to 15 MB/s • Wi-Fi 6: 80 MB/s* * Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz, with footage saved to the internal storage. Download speeds may vary depending on the actual conditions.
Lowest Latency	120 ms to 130 ms (Depending on the actual environment and mobile device.)
Antenna	4 antennas, 2T4R
Battery:	
Capacity	5000 mAh
Weight	335.5 g
Nominal Voltage	15.4 V
Max Charging Voltage	17.6 V
Type	Li-ion 4S
Energy	77Wh
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	Approx. 96 minutes (Use the included cable of the 65W Portable Charger.) Approx. 70 minutes (Use the 100W USB-C Power Adapter and 100W Battery Charging Hub.)
Charger:	

Input	• 65W Portable Charger: 100-240 V (AC), 50-60 Hz, 2 A • 100W USB-C Power Adapter: 100-240 V (AC), 50-60 Hz, 2.5 A
Output	**65W Portable Charger:** • USB-C: ○ 5 V, 5 A ○ 9 V, 5 A ○ 12 V, 5 A ○ 15 V, 4.3 A ○ 20 V, 3.25 A ○ 5-20 V, 3.25 A • USB-A: ○ 5 V, 2 A • 100W USB-C Power Adapter: ○ Max 100 W (total) (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.)
Rated Power	• 65W Portable Charger: 65 W • 100W USB-C Power Adapter: 100 W
Battery Charging Hub:	
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	Intelligent Flight Battery
Car Charger:	
Input	Car Power Input: 12.7-16 V, 6.5 A, rated voltage 14 V (DC)
Output	• USB-C: ○ 5 V, 5 A ○ 9 V, 5 A ○ 12 V, 5 A ○ 15 V, 4.3 A ○ 20 V, 3.25 A ○ 5-20 V, 3.25 A • USB-A: ○ 5 V, 2 A
Rated Power	65 W
Charging Temperature	5° to 40° C (41° to 104° F)
Storage:	
Recommended microSD Cards	Lexar 1066x 512GB V30 A2 microSDXC or Kingston Canvas Go! Plus 512GB V30 A2 microSDXC
Warranty	• The warranty includes one year of parts and labor, as well as one year of onsite support for ALL parts of the package, both internal and external. • Must include phone support during business hours.
Note: Specifications, features, and functions being offered by the bidders will be included in the evaluation of the bid.	

Total estimated price: ₱ 180,000.00/unit

CONFORME:

_____
Name and Signature
Supplier's Representative