



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino de las Alas Campus
 Indang, Cavite, Philippines
 ☎ (046) 889-6373
www.cvsu.edu.ph

INVITATION TO SUBMIT QUOTATION
Supply and Delivery of Various Equipment for GAD-RC

1. The Cavite State University (CvSU) invites interested firms/supplier to submit quotation for the project **“Supply and Delivery of Various Equipment for GAD-RC”** with an Approved Budget for the Contract (ABC) **Five Hundred Forty-Seven Thousand Pesos Only (PhP 547,000.00)**. Quotation received in excess of the ABC shall be automatically rejected at the opening.

Item No.	Quantity	Unit	Description	Unit Cost	Total Cost
1.	1	Unit	C Server - Network Attached Storage (NAS) <ul style="list-style-type: none"> • CPU : AMD Ryzen R1600 2 core 2.6 GHz • Memory: 8GB DDR4 ECC SODIMM • Storage: Support 3.5" and 2.5" SATA/ M.2 2280 NVMe SSD / Hot Swappable Drive • External Ports: 4x RJ 45 1GbE LAN Port with Link Aggregation / Failover Support 2x USB 3.2 Gen 1 Port 2x eSATA Port • PCIe: 1 x Gen3 x2 network upgrade • Size (HxWxD): 166mm x 230mm x 223mm • Weight: 2.7 kg • System Fan: 92mm x 92mm x 2pcs Full-Speed Mode • Power Supply: 120 W / 100V to 240V AC • Supported Raid Type: RAID 0,1,5,6,10 • File Protocol: SMB/AFP/NFS/FTP/WebDAV • Hyper Backup: Data and Folder / Entire System • Networking Protocols: SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV • MailPlus Server: Free Email Accounts <ul style="list-style-type: none"> • 3.5 SATA HDD for NAS (2pcs) • Hardware Specifications HAT3300-12T Capacity 12 TB • General: Form Factor: 3.5" <ul style="list-style-type: none"> Interface: SATA 6 Gb/s Rotational Speed: 7,200 rpm • Performance: Maximum Sustained Data Transfer Speed (Typ.)240 MB/s <ul style="list-style-type: none"> Active Idle (Typ.): 5.07 W • Power Consumption Random Read / Write (4KB Q1) (Typ.): 8.33 W <ul style="list-style-type: none"> • Temperature: Operating : 5°C to 65°C (41°F to 149°F) 	100,000.00	100,000.00

			Non-operating: -40°C to 70°C (-40°F to 158°F)		
2.	1	Unit	DIGITAL CAMERA <ul style="list-style-type: none"> ● AF Modes: One-Shot AF, Servo AF ● AF Point Selection: Spot AF, 1-point AF, Expand AF area (above/below/left/right or around), Flexible Zone AF 1 / 2 / 3, Whole area AF ● Closest Focusing: 0.17 / 0.56 (AF, f=18-35mm) ● Distance (cm) 0.12 / 0.39 (MF, f=18-24mm) ● Effective ISO: Stills: 100–32,000 (H:51,200) Movie: 100–12,800 Canon Log movies: ISO 800–12,800 (L:100-640, H:16,000 - 25,600) HDR PQ movies: ISO 100–12,800 ● Effective Pixels (Megapixels) 32.5 ● Image Resolution 6960×4640 (JPEG L/RAW/C-Raw/HEIF) 4800×3200 (HEIF, JPEG M) 3472×2320 (HEIF, JPEG S1) 2400×1600 (HEIF, JPEG S2) ● Image Stabilizer: Coordinated Control IS (In-body 5-axis sensor-shift image stabilisation + Optical Image Stabilizer) (Still/Movie) ● LCD Monitor (Size) (Inch): 3.0 ● Manual Focus: Yes ● Memory Card Type: Dual Card Slots (SD, SDHC*, SDXC*) *UHS-II cards supported ● Optional Power: AC Power (AC Adapter AC-E6N and DC Coupler DR-E6) ● Peripheral Connections: USB Type-C (SuperSpeed Plus USB (USB 3.2 Gen 2) equivalent), External microphone IN, Headphone terminal, HDMI micro (Type D), Remote control (N3), Infrared remote control ● Sensor Size: APS-C CMOS ● Shooting Modes: A+ / Special scene mode / Creative filter / Fv / P / Tv / Av / M / B / C1 / C2 / C3 ● Standard Power Supply: LP-E6NH / LP-E6N / LP-E6 ● Still Image Format: JPEG, HEIF, RAW, C-Raw ● with 2 extra battery and x2 256GB SD Card 	135,000.00	135,000.00
3.	1	Unit	CAMERA LENSE (24-105) <ul style="list-style-type: none"> ● Image Size Full Frame ● Angle of View (Horzntl, Vertl, Diagnl) 74° - 19°20', 53° - 13°, 84° - 23°20' ● Lens Construction (Elements/Groups) 18/14 ● Number of Diaphragm Blades 9 ● Minimum Aperture 22 ● Closest Focusing Distance (m) 0.45 ● Maximum Magnification (x) 0.24 ● Distance Information Yes 	95,000.00	95,000.00

			<ul style="list-style-type: none"> ● Image Stabilizer OIS1 5 stops ● AF Actuator Nano USM <p>Accessories</p> <ul style="list-style-type: none"> ● Lens Cap E-77 II ● Lens Hood EW-83N ● Lens Case/Pouch LP1319 ● Magnification with Extension Tube EF12 II Not Compatible ● Magnification with Extension Tube EF25 II Not Compatible ● Extender Compatibility Not Compatible ● Other Accessories <p>Specifications with 2x Extender</p> <ul style="list-style-type: none"> ● Maximum Aperture f/4 <p>Physical Specifications</p> <ul style="list-style-type: none"> ● Filter Diameter (mm) 77 ● Max. Diameter x Length (mm) 83.5 x 107.3 ● Weight (g) 700 		
4.	1	Unit	<p>CAMERA FLASH (EXTERNAL)</p> <ul style="list-style-type: none"> ● 2.4 GHz Wireless Radio Transmission ● Guide Number: 197' at ISO 100 and 200mm ● Runs on LP-EL Lithium-Ion Battery ● Modeling Lamp; Multi-Function Shoe ● Zoom Range: 24-200mm (14mm with Panel) ● Recycle Time: 0.1-1.2 Seconds ● Extended Control from 1/1 to 1/1024 ● Joystick, Dial, and High-Definition LCD ● Remote Control with Camera Connect App ● Dust and Moisture-Resistant Construction 	35,000.00	35,000.00
5.	1	Unit	<p>VIDEO CAMERA/ CAMCORDER</p> <ul style="list-style-type: none"> ● Sensor 1/2.3-inch 4K UHD CMOS sensor ● Lens ● Zooming ratio, focal length (35 mm camera equivalent): 20x optical zoom, approx. 29.3 - 601mm 4K UHD (Dynamic IS off/Standard IS on) / approx. 30.5 - 627mm Full HD (Dynamic IS off/Standard IS on) Aperture: 8 blades Image Stabilizer: Optical + electronic correction ● Monitor 3.5-inch (approx. 2.76 million dots), LCD, Capacitive touch panel ● EVF 0.36-inch (approx. 1.77 million dots), OLED, tiltable ● Movie recording Video formats: MP4 Simultaneous Recording: YES ● Recording Media Built-in memory: NO Memory card: SD card (2 slots) ● Professional use terminals SDI terminal: NO GENLOCK, TC: NO XLR terminal: NO ● Manual control ring ● YES: Lens ring (function switched between zoom and focus) ● Lens hood ● YES (with barrier) 	76,000.00	76,000.00

			<ul style="list-style-type: none"> • Dimensions • Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm • Weight • Body only: Approx. 1.63 lbs. / 740 g <p>Lens hood, BP-820 and memory card (1 pc) included: Approx. 1.94 lbs. / 880 g</p> <ul style="list-style-type: none"> • with extra battery and 256GB SD Card 		
6.	1	Unit	<p>VIDEO CAM TRIPOD</p> <ul style="list-style-type: none"> • 11 lb Capacity Video Head • Sliding Balance Plate • 34.4 to 72.6" Height Range • Continuous Pan Drag/Fixed Tilt Drag • 2 x Retracting Locating Pins on Plate • 60mm Leveling Ball • 2-Stage Tripod with Mid-Level Spreader • Independent Twist-Lock Leg Adjustment • Dual Spiked Feet & Rubber Feet • Padded Carrying Case 	17,000.00	17,000.00
7.	1	Unit	<p>DRONE SPECIFICATION</p> <ul style="list-style-type: none"> • Takeoff Weight < 249 g • Dimensions Folded: 138×81×58 mm (L×W×H) • Unfolded: 159×203×56 mm (L×W×H) <p>Unfolded (with propellers): 245×289×56 mm (L×W×H)</p> <ul style="list-style-type: none"> • Diagonal Distance 213 mm • Max Flight Distance 5.7 km • Max Ascent Speed 5 m/s (S Mode) 3 m/s (N Mode) 2 m/s (C Mode) • Max Descent Speed 3.5 m/s (S Mode) 3 m/s (N Mode) 1.5 m/s (C Mode) • Max Speed (near sea level, no wind) 16 m/s (S Mode) 10 m/s (N Mode) 6 m/s (C Mode) • Max Service Ceiling Above Sea Level 4000 m • Max Flight Time 31 mins (measured while flying at 4.7 m/s in windless conditions) • Operating Frequency [2] 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 5.725-5.850 GHz FCC ≤ 26 dBm CE ≤ 14 dBm SRRC ≤ 26 dBm • Global Navigation Satellite System (GNSS) GPS+GLONASS+GALILEO 	56,000.00	56,000.00

		<p>Gimbal</p> <ul style="list-style-type: none"> ● Mechanical Range Tilt: -110° to 35° Roll: -35° to 35° Pan: -20° to 20° ● Controllable Range Tilt: -90° to 0° (default setting) -90° to +20° (extended) ● Stabilization 3-axis (tilt, roll, pan) ● Max Control Speed (tilt) 100°/s ● Angular Vibration Range $\pm 0.01^\circ$ <p>Camera</p> <ul style="list-style-type: none"> ● Sensor 1/2.3" CMOS Effective Pixels: 12 MP ● Lens FOV: 83° 35 mm format equivalent: 24 mm Aperture: f/2.8 Focus range: 1 m to ∞ ● ISO Video: 100-3200 (Auto) 100-3200 (Manual) Photos: 100-3200 (Auto) 100-3200 (Manual) ● Max Image Size 4:3: 4000×3000 16:9: 4000×2250 ● Video Resolution 4K: 3840×2160 @ 24/25/30fps 2.7K: 2720×1530 @ 24/25/30/48/50/60fps FHD: 1920×1080 @ 24/25/30/48/50/60fps ● Zoom Range 4K: 2x 2.7K: 3x FHD: 4x ● Supported File Formats FAT32 (≤ 32 GB) exFAT (> 32 GB) ● Photo Formats JPEG/DNG (RAW) ● Video Formats MP4 (H.264/MPEG-4 AVC) <p>Remote Controller & Video Transmission</p> <ul style="list-style-type: none"> ● Operating Frequency 2.400-2.4835 GHz, 5.725-5.850 GHz ● Max Transmission Distance (unobstructed, free of interference) [3] 10 km (FCC) 6 km (CE) 6 km (SRRC) 6 km (MIC) 		
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			<ul style="list-style-type: none"> ● Battery Capacity 5200 mAh ● Voltage 1200 mA 3.6 V (Android) 700 mA 3.6 V (iOS) ● Supported Mobile Device Size ×86×10 mm (Height×Width×Thickness) ● Video Transmission System When used with different aircraft hardware configurations, both 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: <ul style="list-style-type: none"> a. DJI Mini 2/ DJI Mavic Air 2: O2 b. DJI Air 2S: O3 c. DJI Mavic 3: O3+ Charger <ul style="list-style-type: none"> ● Input 100-240 V, 50/60 Hz, 0.5 A ● Output 12V 1.5 A / 9V 2A / 5V 3A ● Rated Power 18 W Intelligent Flight Battery <ul style="list-style-type: none"> ● Battery Capacity 2250 mAh ● Voltage 7.7 V ● Charging Voltage Limit 8.8 V ● Battery Type LiPo 2S ● Energy 17.32 Wh ● Weight 86.2 g ● Max Charging Power 29 W ● App Name DJI Fly ● Required Operating System iOS v10.0 or later Android v6.0 or later 		
8.	1	Unit	<p>AUDIO/VOICE RECORDER</p> <ul style="list-style-type: none"> ● Acoustic Principle Pre-polarised pressure transducer ● Polar Pattern Omnidirectional ● Frequency Range 50Hz – 20kHz ● Maximum SPL 100 dB SPL (1kHz @ 1m) dBu ● Maximum Input Level (3.5mm) -20dBV ● Microphone Preamp Gain 20dB ● Equivalent Noise Level (A-Weighted) 22dBA ● Power Requirements In-built rechargeable lithium ion battery charged via USB 5V, 0.3A ● Operating Time Up to 7 hours ● Analog Inputs 3.5mm TRS (lavalier microphone input) ● Analog Outputs 3.5mm TRS ● Transmission Range 200m (line of sight) ● Computer Connectivity USB Type-C 	18,000.00	18,000.00

			<ul style="list-style-type: none"> • OS Requirements macOS 10.11 above Windows 10 and above 		
9.	4	Units	<p>MICROPHONE Transmitter/Receiver (4pcs Microphone)</p> <ul style="list-style-type: none"> • System Frequency 542 - 572 MHz • Operating Range 260ft. Line-of-sight System • Frequency Response 50Hz-18kHz • Microphone Type Dynamic Microphone • Polar Pattern Cardioid • Frequency Response 50Hz-15kHz • Transmitter Dynamic Range >100dB • Battery Life >8 hours • Antenna Type BNC • Outputs 4 x XLR, 1 x 1/4" • System Analog/Digital Analog • Power Requirement INPUT: AC 110V - 240V, 50/60 Hz OUTPUT: DC 13.5V, 500mA • Overall System • Operating Frequencies 2.4 GHz ISM band (2400 to 2483.5 MHz) • Frequency Response 20 Hz to 20 kHz Depending on microphone type Operating Range 30 m (100') typical Open range environment with no interfering signals • Total Harmonic Distortion <0.05% typical Handheld Transmitter RF Power Output 10 mW Spurious Emissions Following federal and national regulations Battery Type Two 1.5V AA not included • Battery Life >7 hours (alkaline) Depending on battery type and use pattern • Dimensions 254.8 mm (10.03") long, 50.0 mm (1.97") diameter • Net Weight 280 grams (9.9 oz) without batteries • Accessories Included AT8456a Quiet-Flex stand clamp Body Pack RF Power Output 10 mW Battery Life >7 hours (alkaline) Depending on battery type and use pattern • Battery Type Two 1.5V AA not included • Dimensions 70.2 mm (2.76") W x 107.0 mm (4.21") H x 24.9 mm (0.98") D • Input Connections Four-pin Locking Connector Pin 1: GND, Pin 2: INST INPUT, Pin 3: MIC INPUT, Pin 4: DC BIAS +9V • Net Weight 100 grams (3.5 oz) without batteries 	3,750.00	15,000.00

		<ul style="list-style-type: none"> • Spurious Emissions Following federal and national regulations Receiver Receiving System Diversity (frequency/time/space) Maximum Output Level XLR, balanced: 0 dBV 1/4" (6.3 mm), unbalanced: +6 dBV • Power Supply 100-240V AC (50/60 Hz) to 12V DC .5A (center positive) switched mode external power supply • Dimensions 190.0 mm (7.48") W x 46.2 mm (1.82") H x 128.5 mm (5.06") D • Weight 290 grams (10.2 oz) • Accessories Included Power supply 		
TOTAL AMOUNT				547,000.00

2. Delivery Period: ____ calendar days from the receipt of P.O.
3. Price quotations must be valid for a period of sixty (60) calendar days from date of submission and shall include all taxes, duties and/or levies payable. Bidders shall also indicate the brand and model of the items being offered.
4. Warranty shall be for a period of six (6) months for supplies and materials. Warranty for equipment must not be less than one (1) year from the date of acceptance and shall be accompanied with Warranty Certificate.
5. The quotation must be submitted to the Procurement Office through mail, fax or email at the contact details listed below **on or before 5:00 PM of February 12, 2024.**

Address : Procurement Office, Administration Building
Cavite State University
Indang, Cavite

E-mail : procurementoffice@cvsu.edu.ph / rfqmain@cvsu.edu.ph

Telefax : (046) 889-6373

6. The CvSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. CvSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.


ROSELYN M. MARANAN
 BAC Secretary, Goods and Consulting Services