



**DOST – ASTI BIDS and Awards Committee
REQUEST FOR QUOTATION**

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| Kind of Procurement Activity: Negotiated Procurement: Small-value Procurement | | Deadline of Submission of Bids: Sep-17-2018, 2:00 PM | |
| RFQ No.: 18-09-2020 | | Date: September-10-2018 | |
| PR No.: GAA-18-08-6421 ; GAA-18-08-6256 ; GAA-18-07-6122 ; GAA-18-08-6223 | | Date: July 30 – 2018 Aug-10-2018 July -24-2018 Aug-08-2018 | |

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested suppliers, contractors or distributors, to submit their quotations, together with their eligibility documents for the item(s) listed below. Guidelines regarding the format and eligibility documents are listed at the box below the item(s) to be procured.

Quotations may be electronically mailed at bac-sec@asti.dost.gov.ph or it may be submitted via fax or by delivering it to the office on or before the deadline. For inquiries, you may call the number - 426-7423 and look for ASTI's BAC Secretariat.

Respectfully,


Pedrito B. Mangahas
BAC Chairman

| NO. | TECHNICAL SPECIFICATIONS | QTY. | UNIT | UNIT PRICE (PHP) | TOTAL PRICE (PHP) |
|-----|--|------|------|------------------|-------------------|
| 1 | 100kv Motor (GAA-18-08-6208) KV(RPM/V): 100 - LiPo Cells: 8~12s - Max Power: 2800W - Max Amps: 57A - No Load Current: 1.0A @ 10v - Internal Resistance: 0.055ohm - Dimensions(Dia.xL): 92 x 39mm - Motor Shaft: 3mm - Prop Shaft: 33mm hole to hole for bolt through style props - Weight: 674g (each) - Bolt Hole Spacing: 40mm - Suggested Propeller: 30 x 8.0 - Included: 1 x 9235-100kv motor, Propeller mounting hardware, Motor mounting hardware | 10 | pc | 8,000.00 | 80,000.00 |
| 2 | 80a ESC (GAA-18-08-6208) - Type: RVS 80amp electronic speed controller - Input Voltage: 2~6 lipoly cells/5~18 nimh cells (6~16V) - Continuous Current: 80A - Burst Current: 90A (10secs) - BEC Output: 5.5V/5A - Programmable: Yes - Battery Connector: XT90 - Motor Connectors: 3.5mm bullet - Rx Connector: JR type - Dimensions: 68 x 37 x 14mm - Weight: 82g | 10 | pc | 3,000.00 | 30,000.00 |
| 3 | 6s Battery (GAA-18-08-6208) | 8 | pc | 5,000.00 | 40,000.00 |

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| | <ul style="list-style-type: none"> - Minimum Capacity: 5000mAh - Configuration: 6S1P / 22.2v / 6Cell - Constant Discharge: 40C - Peak Discharge (10sec): 80C - Pack Weight: 805g - Pack Size: 144x51x56mm - Charge Plug: JST-XHP - Discharge plug: XT90 | | | | |
| 4 | <p>30" propeller (GAA-18-08-6208)</p> <ul style="list-style-type: none"> - Material: Carbon Fiber - Length: 30 Inch - Pitch: 5.5 Inch - Weight: 115g (Each) - Shaft Diameter: 4mm - Cover Plate Hole Centers: 31mm (four holes) - Hub Thickness: 7.6mm - Rotation: CW and CCW | 5 | set | 4,000.00 | 20,000.00 |
| 5 | <p>Autopilot Flight Controller (GAA-18-08-6208)</p> <ul style="list-style-type: none"> - The board integrates with PX4FMU+PX4IO - Pixhawk is with new 32 bit chip and sensor technology Processor: + 32 bit 2M flash memory STM32F427 Cortex M4, with hardware floating point processing unit + Main frequency: 256K, 168MHZ RAM + 32 bit STM32F103 backup co processor - Sensor: + L3GD20 3 axis digital 16 bit gyroscope + LSM303D 3 axis 14 bit accelerometer /magnetometer + MPU6000 6 axis accelerometer / magnetometer + MS5611 high precision barometer - Interface: + 5* UART, 1*compatible high voltage, 2*hardware flow control + 2*CAN + Spektrum DSM/DSM2/DSM-X satellite receiver compatible input + Futaba SBUS compatible input and output + PPM signal input + RSSI (PWM or voltage) input + I2C + SPI + 3.3 and 6.6VADC input + External USB MICRO interface Features: + Advanced 32 bit CortexM4 ARM high performance processor, can run RTOS NuttX real time operating system; + Integrated backup power supply and failure backup controller, the main controller can be safely switched to backup control; + Provide redundant power input and fault transfer function; + 14* PWM/ actuator output; + Bus interface (UART, I2C, SPI, CAN); + Provide automatic and manual mode; + Color LED lamp; + Multi tone buzzer interface; + Micro SD to record flight data; - Package included: + 1 x 2.4.8 Pixhawk main control + 1 x Safety switch | 3 | pc | 4,500.00 | 13,500.00 |

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| | <ul style="list-style-type: none"> + 1 x Flight control shell + 1 x Buzzer + 1 x 6pin to 6pin line + 1 x 4Pin to 4Pin line + 1 x 3pin DuPont line | | | | |
| 6 | Aluminum Tube (GAA-18-08-6208) - Diameter: 1" - Thickness: 2.5mm - Quantity: to be discussed with end-user | 1 | lot | 3,000.00 | 3,000.00 |
| 7 | Aluminum Square Tube (GAA-18-08-6208) - Size: 1"x1" - Thickness: 2.5mm - Quantity: to be discussed with end-user | 1 | lot | 3,000.00 | 3,000.00 |
| 8 | Aluminum Plate (GAA-18-08-6208) - Dimension: 4'x8' - Thickness: 3mm - Quantity: to be discussed with end-user | 1 | lot | 3,000.00 | 3,000.00 |
| 9 | Velcro Strap for Battery (GAA-18-08-6208) - Item Name: Battery Tie - Length: 26cm - Width: 2cm - Package Included: 10pcs x 26cm Lipo Battery Tie Down Strap | 5 | set | 350.00 | 1,750.00 |
| 10 | Polyurethane Adhesive - Single-Use (GAA-18-08-6208) - 4 pcs per pack - Single Use - Original / Genuine - APPLICATION TEMPERATURE - Above 40 F, best at room temperature - SERVICE TEMPERATURE -40° to 200° F - OUTDOOR - Yes - MOISTURE RESISTANT - Waterproof - PAINTABLE -Yes - Can be painted with oil-based and spray. Acrylic/latex and stains require sanding - SANDABLE - Yes - STAINABLE - Yes - Will require sanding - EXPANDS WHEN CURED - Yes - CURED COLOR - Tan - TECHNICAL STANDARDS -ANSI/HPVA Type I - STORAGE TIPS -Store in a cool, dry location. Avoid laundry rooms, under sinks, and kitchen cabinets. - GAP FILLING - No | 4 | pack | 500.00 | 2,000.00 |
| 11 | Polyurethane Adhesive - 2oz (GAA-18-08-6208) - Original/Genuine - 2oz - APPLICATION TEMPERATURE - 32° to 100° F, best at room temperature - SERVICE TEMPERATURE - -20° to 180° F - OUTDOOR - Yes - MOISTURE RESISTANT - Water resistant - not recommended for continual water exposure - PAINTABLE - Yes - Can be painted with oil-based and spray. acrylic/latex and stains require sanding - SANDABLE - Yes - STAINABLE - Yes - Will require sanding - EXPANDS WHEN CURED - No - CURED COLOR - Clear | 1 | btl | 500.00 | 500.00 |

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| | <ul style="list-style-type: none"> - TECHNICAL STANDARDS – ANSI/HPVA Type II - STORAGE TIPS – Store in a cool, dry location. Store with access to light, if possible. - GAP FILLING – No | | | | |
| 12 | Extension Cord w/ Individual Switches 6 Gang (GAA-18-08-6256) 1.83 Meter Cord Length 2,500W 10A 250V~ (12pks/ctn) <ul style="list-style-type: none"> - Rigid brass strips for internal connection. - Outlets are made of copper material for better grip. - Impact resistant and highly conductive. - With REAL grounding system connection for safety. - With built-in safety circuit breaker. - With built-in lightning protector. - Outlet enclosures are made up of fire-retardant materials. | 10 | pc | 800 | 8,000.00 |
| 13 | Extension Wheel 10 Meter Cord Length (GAA-18-08-6256) 2,500W 10A 250V~ (6pks/ctn) <ul style="list-style-type: none"> - Rigid brass strips for internal connection. - Outlets are made of copper material for better grip. - Impact resistant and highly conductive. - With REAL grounding system connection for safety. - With built-in safety circuit breaker. - With built-in lightning protector. - Outlet enclosures are made up of fire-retardant materials | 2 | pc | 1,300.00 | 2,600.00 |
| 14 | HDMI Cable Nylon Weaves with Zinc Alloy Metal Connector (GAA-18-08-6256) Support 3D 4K x 2K (10m) <ul style="list-style-type: none"> - HDMI to HDMI cable:Provides 1080P full HD resolution audio and video display support Ethernet,3D,ultra HD 4000*2000 television and ARC(Audio Return Channel) - Compatible with 3D television,HDTV,PS4/3,Plasma TV,LCD TV,Bluray DVD,Apple TV,XBox 360,Xbox one and more HDMI devices - Fast transfer speed:Data transfer up to 10.2 Gbps/340Mhz, HDCP compliant - Featured nylon weaves with Zinc alloy metal connector HDMI cable allows you to share an internet connection among multiple devices | 2 | pc | 2,000.00 | 4,000.00 |
| 15 | 8 GB RAM (GAA-18-07-6122) Specifications: <ol style="list-style-type: none"> 1. DDR: DDR3 2. Density: 8GB 3. Speed: 1333 Mbps 4. No. of Pin: 240 5. Dimm Type: RDIMM 6. Voltage: 1.5 V / 1.35 V 7. Component Composition: (512M x 4) x 36 8. Data Integrity Check: ECC 9. Memory Features: REGISTERED 10. Rank Features: 2RX4 11. Type: DRAM 12. Upgrade Type: SYSTEM SPECIFIC 13. Platform Support: SERVER | 15 | unit | 2,300.00 | 34,500.00 |
| 16 | 16 GB RAM (GAA-18-07-6122) | 15 | unit | 4,500.00 | 67,500.00 |

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| | Specifications: 1. Storage Capacity: 16GB 2. Memory Technology: DDR3 SDRAM 3. Number of modules: 1 X 16GB 4. Chips Organization: X4 5. Memory Speed: 1866MHZ DDR3-1866/PC3-14900 6. Data Integrity Check: ECC 7. Memory Features: REGISTERED 8. Rank Features: 2RX4 9. Supply Voltage: 1.5V 10. CAS Latency Timings: CL13 11. Type: DRAM 12. Upgrade Type: SYSTEM SPECIFIC 13. Platform Support: SERVER 14. Form Factor: 240-PIN DIMM NOTE: 1. Delivery Terms: 30 days upon issuance of NTP 2. Warranty: 1 year 3. Demo unit to be provided by the supplier for testing purposes 4. Should be compatible with current infrastructure. | | | | |
| 17 | Power Adapter (GAA-18-08-6223) - Compatible with Polycom SoundPoint IP 320 SIP - Input: 100-240 VCA / 50/60Hz 0.5A / 26-41VA - Output: 24VDC / 500mA (for FAD-COA) | 3 | pc | 750.00 | 2,250.00 |
| TOTAL APPROVED BUDGET FOR CONTRACT: | | | | | Php315,600.00 |

GUIDELINES

A. Submission of Quotations

1. The quotation should include the RFQ or the P.R. Number found above.
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation.
3. The quotations shall include the signature of the company's representatives.

B. Eligibility Requirements

As per GPPB Resolution No. 21-2017 amending the Annex H of the 2016 R-IRR of RA 9184, the following shall be submitted:

For procurement of goods:

1. PhilGEPS Certificate of Platinum Membership

Note: If unavailable, submit the following:
a. PhilGEPS Registration Number
b. Mayor's Permit or BIR Certificate of Registration

2. Income/Business Tax Return

Note: Applicable only for ABCs above Php500,000.00

3. Omnibus Sworn Statement

Note: Applicable only for ABCs above Php50,000.00 and must be submitted upon post-qualification

For procurement of infrastructure:

1. The requirements for goods
2. Valid PCAB License

For procurement of consulting services:

1. The requirements for goods
2. Valid PRC License or Curriculum Vitae.

NOTE: For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid.
2. For all kinds of procurement, the bidder who passed the bid evaluation shall submit a duly notarized omnibus sworn statement, unless otherwise provided.
3. All transactions are subject to creditable withholding tax; and final Value Added Tax (VAT) or percentage tax per revenue regulation/s of the Bureau of Internal Revenue (BIR).
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery.
5. The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.