



**DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION**

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	Jun-04-2021, 2:00 PM		
RFQ No.:	21-05-3420	Date:	May-31-2021
PR No.:	GAA-21-05-11322	Date:	May-10-2021

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the item/s listed below. As such, suppliers, contractors, or distributors are invited to submit their quotation/s duly signed by authorized representative. Prospective bidder/s who will submit a proposal with the single/lowest calculated and responsive quotation shall be selected. Guidelines on the format and eligibility documents are listed at the box below the item/s to be procured.

Quotations may be sent via **a)** electronic mail at bac-sec@asti.dost.gov.ph, **b)** fax message, or **c)** delivering documents to the BAC Secretariat. For further inquiries, you may contact +63 2 249-8500 local 1206/1212 or +63 2 426-7423.

Thank you.

Respectfully,

REYNALDO JOSEPH A. CALLAO JR.
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>BATTERY FOR METBUOY</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> Battery Chemistry: Lead Acid (VRLA) Battery Cell Size - Voltage - Rated: 12V Capacity: 18.00 Ah @ 20 hour rate F.V.(1.75V/cell) Internal Resistance: ≤16 Ohms (fully charged) Discharge Current: 270A Max. Charge Current: 5.4A Size / Dimension: 7.13" L x 2.99" W x 6.54" H (181.0mm x 76.0mm x 166.0mm) Dimension Allowance: +/- 2mm Termination Style: Nut and Bolt, M5 Discharge Rate - Shelf Life: 12 Months Standard Charge Current: 300mA Standard Charge Time: 16Hrs Weight: 5620 g <p>B. Notes:</p> <ol style="list-style-type: none"> For prototyping activities. At least one (1) year of limited warranty for parts and services. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. Price is inclusive of government duties and taxes 	3	pc	5500.00	16,500.00

	and other fees. 5. Payment upon full delivery.				
2	<p>WIND SENSOR</p> <p>A. Specifications:</p> <p>1. Wind speed</p> <ul style="list-style-type: none"> - Measuring range: 0.01 – 75 m/s - Accuracy: ±2% measured value 5-60m/s - Resolution: 0.01 <p>2. Wind Direction</p> <ul style="list-style-type: none"> - Range: 0 - 360 degrees - Accuracy: ±2° - Resolution: 0.1° <p>3. Acoustic Temperature</p> <ul style="list-style-type: none"> - Range: -50°C to +70°C - Accuracy: ±2.0K - Resolution: 0.1K <p>4. General</p> <ul style="list-style-type: none"> - Data output serial: RS422 / RS485 - Data output analogue: 0-20mA, 0-10V or 4-20mA, 2-10V - Operating voltage - Sensor: 8-60VDC or 12-42 V <p>AC 1.2W typical</p> <ul style="list-style-type: none"> - Operating temperature: -50° to +80° C - Electrical connection: Multi-pin plug - Mounting: onto mast tube 1.5" Ø - Dimensions: Ø200 x 144 mm - Protection: IP67 - Weight: 2.0 Kg - Material of housing: Hard anodised aluminum <p>B. Notes:</p> <p>1. For prototyping activities.</p> <p>2. At least one (1) year of limited warranty for parts and services.</p> <p>3. Warranty obligation: Five percent (5%).</p> <p>4. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP.</p> <p>5. Price is inclusive of government duties and taxes and other fees.</p> <p>6. Payment upon full delivery.</p>	1	pc	255000.00	255,000.00
3	<p>72MHZ USB-BASED MICROCONTROLLER DEVELOPMENT SYSTEM</p> <p>A. Specifications:</p> <p>1. Processor: MK20DX256VLH7</p> <ul style="list-style-type: none"> a. Core: Cortex-M4 b. Rated Speed: 72MHz c. Overclockable: 96MHz <p>2. Flash Memory: 256kbytes</p> <ul style="list-style-type: none"> a. Bandwidth: 192Mbytes/sec b. Cache: 256Bytes <p>3. RAM: 64kbytes</p> <p>4. EEPROM: 2kbytes</p> <p>5. Direct Memory Access: 16 Channels</p> <p>6. Digital I/O: 34 Pins</p> <ul style="list-style-type: none"> a. Voltage Output: 3.3V b. Voltage Input: 5V tolerant <p>7. Analog Input: 21 Pins</p> <ul style="list-style-type: none"> a. Converters: 2 - Resolution:16 bits 	6	pc	1700.00	10,200.00

	<ul style="list-style-type: none"> - Usable:13 bits - Prog Gain Amp: 2 b. Touch Sensing: 12 Pins c. Comparators: 3 8. Analog Output: 1 Pin <ul style="list-style-type: none"> a. DAC Resolution:12 bits 9. Timers: 12 Total <ul style="list-style-type: none"> a. FTM Type: 3 <ul style="list-style-type: none"> - PWM Outputs: 12 Pins b. PDB Type: 1 c. CMT (infrared) Type: 1 d. LPTMR Type: 1 e. PIT (interval) Type: 4 f. SysTick: 1 g. RTC (date/time): 1, requires a 32.768 kHz crystal & 3V battery 10. Communication <ul style="list-style-type: none"> a. USB: 1 b. Serial: 3 <ul style="list-style-type: none"> - With FIFOs: 2 - High Res Baud: 3 - Fast Clock: 2 c. SPI: 1 <ul style="list-style-type: none"> - With FIFOs: 1 d. I2C: 2 e. CAN Bus: 1 f. I2S Audio: 1 <ul style="list-style-type: none"> - FIFO Size: 8 <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. At least six months of limited warranty for parts and services. 3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 				
4	<p>RS422 TO TTL BIDIRECTIONAL CONVERTER</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Supply Voltage:5V 2. Package: TQFP 3. Bidirectional Signal Module 4. Full Duplex 422 To Scm Uart Serial Port Level Conversion 5. With over-voltage and over-current protection circuit 6. With power and send & receive Indicator lights 7. Module interface definition: <ul style="list-style-type: none"> a. Module 4P Terminal side: <ul style="list-style-type: none"> - VCC: + 5V - TXD : The module's TTL (UART) to send - RXD : The module's TTL (UART) receiver - GND : The module ground wire b. Module 5P Terminal side: <ul style="list-style-type: none"> - R + / A : A-Pin of this module, connected to T + / Y pin of other 422 modules; - R- / B : B-Pin of this module, connected toT- / Z pin of other 422 modules; - T- / Z -: Z-Pin of this module, connected to R- / B of other 422 modules; 	3	pc	1650.00	4,950.00

	<p>- T + / Y : Y-Pin of this module, connected to R + / A pin of other 422 modules;</p> <p>- GND : Ground wire;</p> <p>8. Size: 50.7 x 26.9mm</p> <p>9. Package Included: 1xRS422 to TTL / UART / MCU Serial Port Signal Mutual Conversion Module</p> <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. At least six months of limited warranty for parts and services. 3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 				
5	<p>REAL TIME CLOCK MODULE</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Uses the DS1307 chip 2. Includes a small CR1225 Lithium coin cell battery 3. Features: <ul style="list-style-type: none"> - Two wire I2C interface - Hour : Minutes : Seconds AM/PM - Day Month, Date - Year - Leap year compensation - Accurate calendar up to year 2100 - Battery backup included - 1Hz output pin - 56 Bytes of Non-volatile memory available to user - 0x68 I2C Address 4. Size: 0.75x0.75" (20x20mm) <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. At least six months r of limited warranty for parts and services. 3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 	3	pc	1300.00	3,900.00
6	<p>MARINE ADHESIVE SEALANT</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Container: 3 fl oz. (90 ml) tube 2. Base: Polyurethane 3. Density lbs/Gallon (Approx.): 11.0 lbs/gallon 4. Color: White 5. Solids Content (Approx.) 97% 6. Consistency: Medium paste 7. Service Temperature: -40°F to 190°F (-40°C to 88°C) 8. Shore A Hardness (cured): 60 9. Specific Gravity: 1.21 10. Features: Marine Application <ul style="list-style-type: none"> - Tough/flexible polyurethane polymer. - Non-shrinking. - One-part moisture cure. - Non-sagging formula. - Fast cure formula. 	5	pc	1700.00	8,500.00

	<p>11. Typical bonding and sealing applications include</p> <ul style="list-style-type: none"> - Fiberglass deck to fiberglass hull - Wood to fiberglass - Portholes - Deck fittings - Moldings - Trunk joints - Between struts and planking - Stern joints and hull planking <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 3. Price is inclusive of government duties and taxes and other fees. 4. Payment upon full delivery. 				
7	<p>TRIPLE AXIS ACCELEROMETER BREAKOUT BOARD</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Uses ADXL377 chip 2. Operating Voltage: 1.8V - 3.6V 3. Typical Current: 300 μA 4. Range: \pm200g 5. 3-axis sensing, hooked up to ADC pins 6. Bandwidth adjustment with a single capacitor per axis 7. Bandwidths ranges: 0.5Hz to 500Hz 8. 4x Mounting Hole <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. At least six months of limited warranty for parts and services. 3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 	2	pc	2100.00	4,200.00
8	<p>MARINE HIGH GAIN ANTENNA</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Frequencies: 900, 1800, 1900 MHz GSM/GPRS 2. Gain: 10 decibels (dB) 3. Impedance: 50 Ohms 4. Connector: N-Female 5. Cable: 1 meter RG58, TNC male to SMA male <p>B. Notes:</p> <ol style="list-style-type: none"> 1. For prototyping activities. 2. At least six months of limited warranty for parts and services. 3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 	1	pc	5280.00	5,280.00
9	<p>SMA TO U.FL CABLE ASSEMBLY</p> <p>A. Specifications:</p>	5	pc	500.00	2,500.00

1. Gender: Female to Female
2. Style: U.FL (UMCC) to SMA
3. 1st Connector: SMA Female Jack
4. 2nd Connector: U.FL (UMCC) Plug, Female Socket, Right Angle
5. Length: 3.937" (100.00mm)
6. Cable Type: 1.32mm OD Coaxial Cable
7. Impedance: 50 Ohms
8. Frequency - Max: 6GHz
9. Color: Gray
10. Features: Shielded

B. Notes:

1. For prototyping activities.
2. At least one (1) year of limited warranty for parts and services.
3. Items must be delivered to ASTI within 30 calendar days upon issuance of NTP.
4. Price is inclusive of government duties and taxes and other fees.
5. Payment upon full delivery.

TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 311,030.00

GUIDELINES

A. Submission of Quotations

1. Quotation/s shall include the Request for Quotation and/or the Purchase Request Number as state above;
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation/s; and
3. Quotation/s must be signed by the company's duly authorized representative.

B. Eligibility Requirements

Pursuant to Annex "H" or Consolidated Guidelines for the Alternative Methods of Procurement of the 2016 Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, as amended by Government Procurement Policy Board Resolution No. 21-2017 dated 30 May 2017, the following documents shall be submitted except for Repeat Order, Shopping under Section 52.1(a), and Negotiated Procurement under Sections 53.1 (Two-Failed Biddings), and 53.5 (Agency-to-Agency):

For Procurement of Goods

1. Upon submission of quotation

- ✓ PhilGEPS Platinum Membership Certificate including Annex "A". If not available, the following alternate documents may be submitted:
 - PhilGEPS Registration Number
 - Mayor's Permit
 - For individuals/professionals engaged under Section 53.6, 53.7 and 53.9 of the 2016 IRR of RA No. 9184, only the Bureau of Internal Revenue (BIR) Certificate of Registration shall be submitted in lieu of the Mayor's Permit.

2. Upon issuance of Notice of Award (NOA)

- ✓ Omnibus Sworn Statement
 - Applicable only for bidders who have submitted their quotation on item/s with a total Approved Budget for the Contract (ABC) of above Php50,000.00.
- ✓ Income/Business Tax Return
 - Applicable only for: **a)** bidders who have submitted their quotation on item/s with a total ABC of above Php500,000.00; and **b)** bidders for Lease of Real Property and Venue (except for government agencies as lessors).

For Procurement of Infrastructure

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Philippine Contractors Accreditation Board License.

For Procurement of Consulting Services

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Professional Regulation Commission 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 upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the 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; and
5. The DOST-ASTI 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.