



ASTI-FM 03-10
REV 3/13 January 2020

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

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	Nov-24-2021, 2:00 PM		
RFQ No.:	21-11-3683	Date:	November-19-2021
PR No.:	GAA-21-11-12891	Date:	November-15-2021

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,

GERWIN P. GUBA
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Ultrasonic Sensor</p> <p>1.0. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of three (3) pieces of Ultrasonic Sensor.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement unless otherwise stated.</p> <p>1.4. The procurement of this ultrasonic sensor will be used in the continuous research and development and maintenance of ASTI's Metbuoy.</p> <p>2.0. TECHNICAL SPECIFICATIONS:</p> <p>2.1. Package-Type:</p> <p>2.1.1. Full Horn – 3/4" - 14 NPS straight,</p> <p>2.1.2. Back-mounted thread</p> <p>2.2. Dimensions:</p> <p>2.2.1. Horn Length: 2" (50.7mm) ± 0.1 inches</p> <p>2.2.2. Horn Opening: 1.72" (43.8mm) ± 0.1 inches</p> <p>2.2.3. Outside Thread Diameter: 1.032" (26.2 mm) ± 0.1 inches</p> <p>2.2.4. Outside Thread Length: 0.58" (14.4mm) ± 0.1 inches</p>	3	pc	13600.00	40,800.00

	<p>2.3. Detection: up to 10-meters</p> <p>2.4. Resolution: 1mm</p> <p>2.5. Operating temperature: -40°C to +65°C</p> <p>2.6. Operating voltage: 2.7V to 5.5V</p> <p>2.7. Nominal current draw of 2.3mA</p> <p>2.7.1. - (peak ~49mA) at 3.3V, and 3.1mA</p> <p>2.7.2. - (peak ~98mA) at 5V</p> <p>2.8. Environmental Protection: IP67 Rated</p> <p>2.9. Range Outputs</p> <p>2.9.1. Pulse width: 1uS/mm resolution</p> <p>2.9.2. Analog Voltage: 10-mm resolution</p> <p>2.9.3. Serial: 1-mm resolution</p> <p>2.9.4. Available in TTL</p> <p>2.10. Pinouts: Seven (7) pins</p> <p>2.10.1. Pin 1: Temperature Sensor Connection</p> <p>2.10.2. Pin 2: Pulse Width Output</p> <p>2.10.3. Pin 3: Analog Voltage Output</p> <p>2.10.4. Pin 4: Ranging Start/Stop</p> <p>2.10.5. Pin 5: Serial Output</p> <p>2.10.6. Pin 6: V+</p> <p>2.10.7. Pin 7: GND</p> <p>3.0. WARRANTY AND AFTER-SALES SUPPORT</p> <p>3.1. The items must have at least six (6) months warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p>4.0. DELIVERY AND PAYMENT TERMS</p> <p>4.1. Upon issuance of Notice to Proceed (NTP), the items must be delivered on or before December 29, 2021.</p> <p>4.2. Full payment will only be given once the items are completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
2	<p>600MHz USB-based microcontroller development system</p> <p>1.0. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of six (6) pieces of USB-based microcontroller development system.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement unless otherwise stated.</p> <p>1.4. The procurement of this ultrasonic sensor will be used in the continuous research and development and maintenance of ASTI's Metbuoy.</p> <p>2.0. TECHNICAL SPECIFICATIONS:</p> <p>2.1. Dimension (LxW): 35.56mm x 17.78mm ± 0.6mm</p> <p>2.2. Processor: at least ARM Cortex-M7 (Core)</p> <p>2.2.1. Float point math unit (FPU): 32 & 64 bits</p> <p>2.2.2. Rated Speed: 600MHz</p>	6	pc	2600.00	15,600.00

- 2.2.3. Overclockable: 912MHz
- 2.3. Flash Memory: at least 1984 kbytes
 - 2.3.1. Bandwidth: 66 Mbytes/sec
 - 2.3.2. Cache: 65536 bytes
- 2.4. Random Access Memory (RAM): at least 1024 kbytes
- 2.5. EEPROM: at least 1080 (emu) kbytes
- 2.6. Direct Memory Access: at least 32 Channels
- 2.7. Digital I/O: 40 Pins (all pins are configurable as interrupts)
- 2.8. Breadboard I/O: 24 Pins
- 2.9. Analog Input: 14 Pins
 - 2.9.1. With two (2) Converters
 - 2.9.2. With ten (10) bits usable resolution
- 2.10. Comparators: Four (4)
- 2.11. Timers: 12 Total
 - 2.11.1. With One (1) RTC (date/time) which requires a 32.768 kHz crystal & 3V battery
- 2.12. Communications
 - 2.12.1. Two (2) USB
 - 2.12.2. Seven (7) Serial Communication
 - 2.12.3. Two (2) SPI
 - 2.12.4. Three (3) I2C
 - 2.12.5. Three (3) CAN Bus
 - 2.12.6. One (1) CAN - FD
 - 2.12.7. Digital Audio In: 5 stereo pins
 - 2.12.8. Digital Audio Out: 3 stereo pins
 - 2.12.9. I2S Audio: 1
 - 2.12.9.1. S/PDIF Input: 1
 - 2.12.9.2. S/PDIF Output: 1
 - 2.12.10. One (1) for SD Card

3.0. WARRANTY AND AFTER-SALES SUPPORT

3.1. The items must have at least one (1) year warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.

3.2. Any replacement service must be successfully performed within sixty (60) business days.

4.0. DELIVERY AND PAYMENT TERMS

4.1. Upon issuance of Notice to Proceed (NTP), the items must be delivered on or before December 29, 2021.

4.2. Full payment will only be given once the items are completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.

TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 56,400.00

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.