



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-22-2021, 2:00 PM		
RFQ No.:	21-11-3672	Date:	November-16-2021
PR No.:	GAA-21-11-12767	Date:	November-03-2021

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>Acrylic Plastic Sheet for Prototyping</p> <p>1. GENERAL OVERVIEW</p> <p>1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of ten (10) units Acrylic Plastic Sheet for use in the development and prototyping of a growing platform chassis, specifically the acrylic plastic sheet will be used as the main material/wall frames of the chassis of the platform.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Material: Acrylic Glass</p> <p>2.2 Color: Clear/Transparent</p> <p>2.3 Dimensions: 4 feet by 8 feet</p> <p>2.4 Thickness: 8mm</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues</p> <p>3.2 Defective and incorrect items shall be replaced</p> <p>3.3 Warranty Period should be at least one(1) year</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1 The Price of bid must be inclusive of government</p>	10	unit	10000.00	100,000.00

	taxes and additional fees. 4.2 Delivery of goods shall be made by the supplier on or before 29 December 2021				
2	<p>Sealing Rubber Gasket Tape for Prototyping</p> <p>1. GENERAL OVERVIEW</p> <p>1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of five (5) units Sealing Rubber Gasket Tape for use in the development and prototyping of a growing platform chassis, specifically the sealing rubber gasket will be used to seal and tighten edges between 3D printed joineries and acrylic panel sheet.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Material: PE (Polythylene) backing material</p> <p>2.2 Length: at least 30 m or longer</p> <p>2.3 Color: Black or white or gray</p> <p>2.4 Thickness: 0.18 mm</p> <p>2.5 Elongation at break: at least 15%</p> <p>2.6 Can help seal the interior and exterior to prevent water, debris, and noise.</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues</p> <p>3.2 Defective and incorrect items shall be replaced</p> <p>3.3 Warranty Period should be at least one(1) year</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1 The Price of bid must be inclusive of government taxes and additional fees.</p> <p>4.2 Delivery of goods shall be made by the supplier on or before 29 December 2021</p>	5	unit	1400.00	7,000.00
3	<p>PH Level Sensor Kit for Prototyping</p> <p>1. GENERAL OVERVIEW</p> <p>1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of three (3) units PH Level Sensor Kit for use in the development and prototyping of a growing platform, specifically the pH level sensor kit will be used for water quality monitoring in the platform. The sensor will detect pH value from basic to acidic.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Signal Conversion Board (Transmitter) V2</p> <p>2.2 Supply Voltage: 3.3~5.5V</p> <p>2.3 Output Voltage: 0~3.0V</p> <p>2.4 Probe Connector: BNC</p> <p>2.5 Signal Connector: PH2.0-3P</p> <p>2.6 Measurement Accuracy: $\pm 0.1 @ 25^{\circ}\text{C}$</p> <p>2.7 Dimension: 42mm*32mm/1.66*1.26in pH</p> <p>2.8 pH Probe</p> <p>2.9 Probe Type: Laboratory Grade</p> <p>2.10 Detection Range: 0~14</p> <p>2.11 Temperature Range: 5~60$^{\circ}\text{C}$</p>	3	unit	3500.00	10,500.00

	<p>2.12 Zero Point: 7±0.5 2.13 Response Time: <2min 2.14 Internal Resistance: <250MΩ 2.15 Probe Life: >0.5 year (depending on frequency of use) 2.16 Cable Length: 100cm 2.17 Notes: 2.17.1 3.3~5.5V wide voltage input 2.17.2 Hardware filtered output signal, low jitter 2.17.3 Gravity connector and BNC connector, plug and play, no welding 2.17.4 Software library supports two-point calibration, and automatically identifies standard buffer solution 2.17.5 Uniform size and connector, convenient for the design of mechanical structures</p> <p>3. WARRANTY AND AFTER SALES SUPPORT 3.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues 3.2 Defective and incorrect items shall be replaced 3.3 Warranty Period should be at least one(1) year</p> <p>4. PAYMENT AND DELIVERY TERMS 4.1 The Price of bid must be inclusive of government taxes and additional fees. 4.2 Delivery of goods shall be made by the supplier on or before 29 December 2021</p>				
4	<p>Single Board Computer/Microcomputer for Prototyping 1. GENERAL OVERVIEW 1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of four (4) units Single Board Computer/Microcomputer for use in the development and prototyping of a growing platform, specifically the single board microcomputer will serve as the main computing device of the platform that will store and process the data collected from the sensors and actuators. The microcomputer will be connected to a network and API for data transfer and processing. 1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS 2.1 Processor: 1.5GHz quad core 64-bit SOC ARM Cortex-A72 CPU 2.2 Memory: 8GB 2.3 Wireless Connectivity: Bluetooth 5.0 BLE 2.4 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless 2.5 Ports/Pins: USB 3.0 Ports USB 2.0 Ports 2.6 Micro-HDMI ports (up to 4Kp60 support) 2.7 40 pin Microcomputer Standard GPIO Header 2.8 2-lane MIPI DSI display port 2.9 2-lane MIPI CSI camera port 2.10 4-pole stereo audio 2.11 Micro-SD card slot for loading operation System and serve as data storage 2.12 Power: 2.12.1 5V DC via USB-C connector with minimum 3A amperes current</p>	4	unit	6500.00	26,000.00

	<p>2.12.2 5V DC via GPI header with a minimum 3A amperes current 2.13 PoE enabled</p> <p>3. WARRANTY AND AFTER SALES SUPPORT 3.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues 3.2 Defective and incorrect items shall be replaced 3.3 Warranty Period should be at least one(1) year</p> <p>4. PAYMENT AND DELIVERY TERMS 4.1 The Price of bid must be inclusive of government taxes and additional fees. 4.2 Delivery of goods shall be made by the supplier on or before 29 December 2021</p>				
5	<p>Microcontroller with GPU for Computer Vision for Prototyping</p> <p>1. GENERAL OVERVIEW 1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of one (1) unit Microcontroller with GPU for Computer Vision for use in the development and prototyping, specifically the Microcontroller with GPU enables running of multiple high level code simultaneously or in parallel (one core running computer vision algorithm and one core controlling actuators/sensors) since it contains two parallel cores that supports the multitasking and also has GPU to be able to connect to external monitor. It can be extended by add-on shields like LoRa and Ethernet-Vision. 1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS 2.1 Microcontroller: Dual 32bit low power ARM MCU (atleast up to 240Mhz/480Mhz respectively) 2.2 Radio module: Murata 1DX dual WiFi 802.11b/g/n 65 Mbps and Bluetooth 5.1 BR/EDR/LE 2.3 Secure Element: NXP SE0502 Board Power Supply (USB/VIN): 5V 2.4 Supported Battery: Li-Po Single Cell, 3.7V, 700mAh Minimum (integrated charger) 2.5 Circuit Operating Voltage: 3.3V 2.6 Current Consumption: 2.95 μA in Standby mode (Backup SRAM OFF, RTC/LSE ON) 2.7 Display Connector: MIPI DSI host & MIPI D-PHY to interface with low-pin count large display 2.8 GPU: Chrom-ART graphical hardware Accelerator™ 2.9 Timers : 22x timers and watchdogs 2.10 UART: 4x ports (2 with flow control) 2.11 Ethernet: PHY 10/100 Mbps (through expansion port only) 2.12 SD Card: Interface for SD Card connector (through expansion port only) 2.13 MKR Headers: Use any of the existing industrial MKR shields on it 2.14 High-density Connectors: Two 80 pin connectors will expose all of the board's peripherals to other devices</p>	1	unit	9000.00	9,000.00

2.15 Camera Interface: 8-bit, up to 80 MHz - ADC: 3x ADCs with 16-bit max. resolution (up to 36 channels, up to 3.6 MSPS)
 2.16 DAC: 2x 12-bit DAC (1 MHz)
 2.17 USB-C: Host / Device, Display Port out, High / Full Speed, Power delivery

3. WARRANTY AND AFTER SALES SUPPORT

3.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues
 3.2 Defective and incorrect items shall be replaced
 3.3 Warranty Period should be at least one(1) year

4. PAYMENT AND DELIVERY TERMS

4.1 The Price of bid must be inclusive of government taxes and additional fees.
 4.2 Delivery of goods shall be made by the supplier on or before 29 December 2021

TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 152,500.00

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.