



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

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Apr-18-2023, 2:00 PM		
RFQ No.:	23-04-4321	Date:	April-13-2023
PR No.:	GAA-23-03-16444	Date:	March-29-2023

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the enlisted item/s below. Bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, except otherwise specified in the requirements. Award may be considered for prospective bidder/s proven to be the single/lowest calculated and responsive quotation among all other quotations. Guidelines on the format of quotations and eligibility documents are listed below. Kindly follow the prescribed GUIDELINES to avoid DISQUALIFICATION.

Quotations may be submitted 1) manually to the BAC Secretariat at G/F DOST-ASTI Bldg., UP Technology Park Complex, CP Garcia Ave., UP Campus, Diliman, Quezon City or 2) sent via electronic mail at bac-sec@asti.dost.gov.ph. For further information, please contact the BAC Secretariat at +63 2 8249-8500 loc. 1206/1212.

Thank you.

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Single Board Computer/Microcomputer 8gb RAM kit with psu and case</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) pcs Single Board Computer/Microcomputer 8gb RAM kit with psu and case for use in the development and prototyping of platform modules and reinforcements.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 8gb ram</p> <p>2.2 with cooling fan case</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 1 year; warranty on Parts and Labor with Premier Support</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1 The Price of bid must be inclusive of government</p>	3	pc	6200.00	18,600.00

	<p>taxes and additional fees.</p> <p>4.2 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
2	<p>HC12 wireless module</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) pcs HC12 wireless module for use as prototyping component to transmit data in wireless communication.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 1000 meters maximum range</p> <p>2.2 configurable channels</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	5	pc	478.50	2,392.50
3	<p>Analog pH Sensor / Meter Kit For microcontroller</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) pcs Analog pH Sensor / Meter Kit For miccontroller for use as prototyping component to sense the pH level of the liquid.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Measuring Range :0 - 14PH</p> <p>2.2 Measuring Temperature: 0 - 60 °C</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 1 year; warranty on Parts and Labor with Premier Support</p> <p>4. PAYMENT AND DELIVERY TERMS</p>	3	pc	3410.00	10,230.00

	<p>4.1 The Price of bid must be inclusive of government taxes and additional fees.</p> <p>4.2 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
4	<p>True rated 24-Volts Switching Power Supply 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 two (2) units True rated 24-Volts Switching Power Supply for Prototyping for use in the development and prototyping of plantform</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Din rail mount</p> <p>2.2 220 Volts AC input</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	2	unit	1500.00	3,000.00
5	<p>Analog Signal Isolator Gravity</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) unit Analog Signal Isolator Gravity set for use for the prototyping module to isolate analog signal and provide isolated power to sensors.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Operating Voltage: 5.0V</p> <p>2.2 Response Time: 4 seconds (Typ)</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 1 year; warranty on Parts and Labor with Premier Support</p>	5	pc	1815.00	9,075.00

	<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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
6	<p>Temperature & Humidity Sensor SHT20 I2C Waterproof Probe</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) pcs Temperature & Humidity Sensor SHT20 I2C Waterproof Probe used for prototyping component to sense the Temperature and Humidity level of environment.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Water resistant</p> <p>2.2 With built-in pull-up resistor</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	5	pc	1870.00	9,350.00
7	<p>Gas Carbon Dioxide CO2 Analog Sensor Gravity</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 four (4) pcs Gas Carbon Dioxide CO2 Analog Sensor Gravity for use as prototyping component to sense the CO2 level of environment.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 5V DC</p> <p>2.2 Compatible with Arduino Mega 2560</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>	4	pc	4345.00	17,380.00

	<p>3.2 Defective and incorrect items shall be replaced</p> <p>3.3 Warranty Period should be 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
8	<p>Mini Safety Circuit Breaker screw type with cover 2P 10A</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) pcs Mini Safety Circuit Breaker screw type with cover 2P 10A for use as a prototyping componet to break the circuit when the planform reached the maximum ampere.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 10A</p> <p>2.2 DIN rail mount</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	3	pc	440.00	1,320.00
9	<p>Mini Safety Circuit Breaker screw type with cover 2P 15A</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) pcs Mini Safety Circuit Breaker screw type with cover 2P 15A for use as a prototyping componet to break the circuit when the planform reached the maximum ampere.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 15A</p>	5	pc	495.00	2,475.00

	<p>2.2 DIN rail mount</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
10	<p>220V AC Heavy-Duty extension socket 4-gang</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) pcs 220V AC Heavy-Duty extension socket 4-gang for use as a distributor component of 220V to the other components that consumed same amount of voltage to be implement to the plantform.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Heavy Duty</p> <p>2.2 10-15A</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	10	pc	495.00	4,950.00
11	<p>slotted angle bar 1.5" x 1.5" - 3ft</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) pcs slotted angle bar 1.5" x 1.5" - 3ft for use as a brace of the plantform to support heavy surface and preventing the plantform from collapsing.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p>	10	pc	275.00	2,750.00

	<p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 with rust resistant coating</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
12	<p>DC Power Distribution Board Screw-type Terminal block with built-in 2A fuse protector (9 channel)</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 four (4) pcs DC Power Distribution Board Screw-type Terminal block with built-in 2A fuse protector (9 channel) for use as a distributor component of 12V-24V to the other components that consumed same amount of voltage to be implement to 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 9 channel</p> <p>2.2 2A fuse</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	4	pc	1000.00	4,000.00
13	<p>Original Microcontroller ATMEGA 2560</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 two (2) pcs Original Microcontroller</p>	2	pc	4235.00	8,470.00

	<p>ATMEGA 2560 for use as programmable microcontroller to give commands the actuators and read the sensors.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 ATMEGA 2560 chip</p> <p>2.2 Original, Italy version</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
14	<p>256GB microSDXC UHS I Memory Card for Single-board-computer</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 six (6) pcs 256GB microSDXC UHS I Memory Card for Single-board-computer for use as a initial storage for the Operating System and files of the microcomputer.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 256GB</p> <p>2.2 compatible with raspberry pi</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	6	pc	2310.00	13,860.00
15	<p>Fullspectrum Growlight for Prototyping</p>	20	unit	2250.00	45,000.00

	<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 twenty (20) units Fullspectrum Growlight for Prototyping for use as a light source of the plantform and serve as a growlight to the crops.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 32x32 rgb LED Panel</p> <p>2.2 full spectrum range</p> <p>2.3 can be controlled by arduino /rpi</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
16	<p>Blower fan squirrel cage</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 fifteen (15) pcs Blower fan squirrel cage for use as prototyping component to be a exhaust fan of the plantform.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 12 Volts</p> <p>2.2 0.3 Amps</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	15	pc	440.00	6,600.00

17	<p>USB Camera for single-board-computer</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) pcs USB Camera for providing visual to the crops inside of the plantform.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 8MP 1080P</p> <p>2.2 compatible with raspberry pi 4</p> <p>2.3 usb</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	10	pc	5000.00	50,000.00
18	<p>Hydroponics submersible pump</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) pcs Hydroponics submersible pump use as a pumping device of water reservoir for plantform prototyping.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 220V / 8W</p> <p>2.2 Flow: 2000 L/h</p> <p>2.3 Height: 1.6 meters</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p>	3	pc	1017.50	3,052.50

	4.4 The unit must be brand new and unused.				
19	<p>USB Multiport extender cable</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) pcs of USB Multiport extender cable for use as a exteder of usb cables that implemented to the plantform prototyping.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 usb port 3.0</p> <p>2.2 4 usb socket</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	3	pc	4166.70	12,500.10
20	<p>Arduino Nano Board</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 four (4) pcs of Arduino Nano Board for use as a programmable microcontroller with small dimation and to give commands the actuators and read the sensors.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Microcontroller Atmel ATmega328</p> <p>2.2 Operating Voltage (logic level) 5 V</p> <p>2.3 Digital I/O Pins 14 (of which 6 provide PWM output)</p> <p>2.4 Analog Input Pins 8</p> <p>2.5 Clock Speed 16 MHz</p> <p>2.6 Dimensions 45mm x 18mm</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 1 year; warranty on Parts and Labor with Premier Support</p> <p>4. PAYMENT AND DELIVERY TERMS</p>	4	pc	508.75	2,035.00

	<p>4.1 The Price of bid must be inclusive of government taxes and additional fees.</p> <p>4.2 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
21	<p>ESP-32 Development Board</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 four (4) pcs of ESP-32 Development Board for use as a programmable microcontroller with small dimension and to give commands the actuators and read the sensors.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 2.4 GHz dual-mode Wi-Fi</p> <p>2.2 Bluetooth chips by TSMC 40nm low power technology</p> <p>2.3 ESP32 ESP-32 ESP-WROOM-32U Development Board</p> <p>2.4 ESP32-DevKitC V4 is a small-sized ESP32-based development board.</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	4	pc	467.50	1,870.00
22	<p>NR24L01 PA+LNA Module</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 six (6) pcs of NR24L01 PA+LNA Module for use as a prototyping component to transmit data wireless and up to 1.1Km.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 Voltage:3-3.6V</p> <p>2.2 Max output power: +20 dBm</p> <p>2.3 Working current in transmit mode (peak): 115 mA</p> <p>2.4 Working current in receiver mode (peak): 45 mA</p>	6	pc	325.40	1,952.40

	<p>2.5 Current in-mode: 4.2uA</p> <p>2.6 2.4GHZ NRF24L01 Module with PA LNA SMA Antenna 1KM</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>				
23	<p>NPK Sensor</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 four (4) pcs of NPK Sensor for use as a prototyping component to sense the level of nitrogen, phosphorus, and potassium in the soil used in plantform prototyping.</p> <p>1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1 NPK Soil Sensor</p> <p>2.2 12-24V DC</p> <p>2.3 Working Humidity: 5 to 95% (relative humidity), no condensation</p> <p>2.4 Working Temperature: 5 to 45 ° C</p> <p>2.5 Length(not include cable): Approx.11.5cm/4.5in</p> <p>2.6 Width: Approx.4cm/1.6in</p> <p>2.7 Weight: Approx.203g/7.2oz</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 1 year; warranty on Parts and Labor with Premier Support</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 Government terms, payment upon complete delivery</p> <p>4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed</p> <p>4.4 The unit must be brand new and unused.</p>	4	pc	5500.00	22,000.00
24	<p>DFRobot Soil Moisture Sensor Analog Capacitive – Corrosion Resistant</p> <p>1. GENERAL OVERVIEW</p>	4	pc	770.00	3,080.00

1.1 The Advanced Science and Technology Institute is seeking qualified and competent bidders to supply and delivery of four (4) pcs of DFRobot Soil Moisture Sensor Analog Capacitive – Corrosion Resistant for use as a prototyping component to sense the moisture level of the soil used in plantform prototyping.

1.2 The technical specification indicated herein are minimum requirement, unless otherwise specified

2. TECHNICAL SPECIFICATIONS

2.1 Operating Voltage: 3.3 ~ 5.5 VDC

2.2 Output Voltage: 0 ~ 3.0VDC

2.3 Interface: PH2.0-3P

2.4 Dimension: 98mm * 23mm (3.86in x 0.905in)

2.5 Weight: 15gx

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 1 year; warranty on Parts and Labor with Premier Support

4. PAYMENT AND DELIVERY TERMS

4.1 The Price of bid must be inclusive of government taxes and additional fees.

4.2 Government terms, payment upon complete delivery

4.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed

4.4 The unit must be brand new and unused.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 255,942.50

GUIDELINES

A. Content and Format of Quotations

1. The Quotation/s must include the RFQ Number or the PR Number indicated above
2. Bidders must specify the BRAND NAMES and MODEL NAMES/NUMBER for the following goods:
 - a. Computer and electronic equipment and its accessories or peripherals
 - b. Software applications, programs, and digital licenses
 - c. Commercial off-the-shelf electronic devices or components
3. The Quotation/s must indicate the registered business name of the company (or individual), business address and contact number. It must also include the full name and signature of the company's authorized representative.
4. BIR Certificate of Registration for new DOST-ASTI suppliers.

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, 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
 - a. Valid PhilGEPS Registration Number / Organization ID
 - b. Valid Mayor's/Business Permit
2. Upon issuance of Notice of Award (NOA)

- a. *Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)*
- b. *Income/Business Tax Return (For ABCs above P500,000.00)*

For Procurement of Infrastructure

1. *Upon submission of quotation*
 - a. *Valid PhilGEPS Registration Number / Organization ID*
 - b. *Valid Mayor's/Business Permit*
 - c. *Valid PCAB License*

2. *Upon issuance of NOA*
 - a. *Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)*
 - b. *Income/Business Tax Return (For ABCs above P500,000.00)*

**Requirements under Section 53.6 (Scientific, Scholarly or Artistic Work, Exclusive Technology and Media Services) of the revised IRR of RA No. 9184 will not apply to artists such as singer, performer, poet, writer, painter and sculptor who are engaged in business.*

***Requirements under Section 53.10 (Lease of Real Property or Venue) of the revised IRR of RA No. 9184, specifically Mayor's/Business Permit, PhilGEPS Registration Number and Income/Business Tax Return will not apply to government agencies as lessors.*

****For methods of procurement requiring Mayor's Permit and PhilGEPS Registration Number, valid Certificate of Platinum Membership may be submitted in lieu of the said documents.*

C. Terms and Conditions

1. *Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;*
2. *All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;*
3. *Liquidated damages of at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay shall be imposed by the DOST-ASTI pursuant to Section 68 of the revised IRR of RA No. 9184; and*
4. *The DOST-ASTI reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.*