



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

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	Feb-09-2021, 2:00 PM		
RFQ No.:	21-02-3330	Date:	February-04-2021
PR No.:	GAA-21-01-10775	Date:	January-12-2021

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	3-Dimensional Printer PLA Filament (black) 1.0 Specification 1.1 PLA 1.75 ±0.02mm 1.2 N.W: 1.0kg 1.3 Nozzle Temp: 190-230°C 1.4 Color: Black" Delivery terms: 30 days upon issuance of NTP	30	pc	1000.00	30,000.00
2	3-Dimensional Printer PLA Filament (white) 2.0 Specification 2.1 PLA 1.75 ±0.02mm 2.2 N.W: 1.0kg 2.3 Nozzle Temp: 190-230°C 2.4 Color: White" Delivery terms: 30 days upon issuance of NTP	30	pc	1000.00	30,000.00
3	3-Dimensional Printer PLA Filament (transparent) 3.0 Specification 3.1 PLA 1.75 ±0.02mm 3.2 N.W: 1.0kg 3.3 Nozzle Temp: 190-230°C 3.4 Color: Transparent" Delivery terms: 30 days upon issuance of NTP	30	pc	1000.00	30,000.00

4	3-Dimensional Printer PLA Filament (silver) 4.0 Specification 4.1 PLA 1.75 ±0.02mm 4.2 N.W: 1.0kg 4.3 Nozzle Temp: 190-230°C 4.4 Color: silver" Delivery terms: 30 days upon issuance of NTP	30	pc	1000.00	30,000.00
5	Single Board Computer/Microcomputer 5.0 Specification 5.1 Processor: 1.5GHz quad core 64-bit SOC ARM Cortex-A72 CPU 5.2 Memory: 4GB 5.3 Wireless Connectivity: 5.4 Bluetooth 5.0 BLE 5.5 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless 5.6 Ports/Pins: 5.7 USB 3.0 Ports 5.8 USB 2.0 Ports 5.9 Micro-HDMI ports (up to 4Kp60 support) 5.10 40 pin Microcomputer Standard GPIO Header 5.11 2-lane MIPI DSI display port 5.12 2-lane MIPI CSI camera port 5.13 4-pole stereo audio 5.14 Micro-SD card slot for loading oeperation System and serve as data storage 5.15 Power: 5.15.1 5V DC via USB-C connector with minimum 3A amperes current 5.15.2 5V DC via GPI header with a minimum 3A amperes current 5.15.3 PoE enabled Delivery terms: 30 days upon issuance of NTP	4	pc	4000.00	16,000.00
6	PH Level Sensor (3.3V to 5V) 6.0 Specification 6.1 Full range pH reading from .001 to 14.000 6.2 Accurate pH readings down to the thousandths place (+/- 0.02) 6.3 Temperature dependent or temperature independent readings 6.4 Flexible calibration protocol supports single point, 2 point, or 3 point calibration 6.5 Single reading or continuous reading modes 6.6 Data format is ASCII 6.7 Data Transmission Protocol: 6.7.1 UART asynchronous serial connectivity 6.7.2 RX/TX 6.7.3 I2C 6.8 Operating Voltage: 3.3V to 5V Delivery terms: 30 days upon issuance of NTP	4	pc	5000.00	20,000.00
7	Electronic Conductivity (EC) Sensor 7.0 Specification 7.1 Operating Voltage: +5.00 V	4	pc	5000.00	20,000.00

	<p>7.2 PCB Size: 45 × 32mm(1.77×1.26")</p> <p>7.3 Measuring Range: 1ms/cm — 20ms/cm</p> <p>7.4 Operating Temperature: 5 – 40 °C</p> <p>7.5 Accuracy: < ±10% F.S (using Arduino 10 bits ADC)</p> <p>7.6 PH2.0 Interface (3-pin SMD)</p> <p>7.7 Conductivity Electrode (Electrode Constant K = 1,BNC connector)</p> <p>7.8 Cable Length of the Electrode: about 60cm(23.62")</p> <p>7.9 DS18B20 Temperature Sensor(Waterproof)</p> <p>Delivery terms: 30 days upon issuance of NTP</p>				
8	<p>Ultrasonic Sensor</p> <p>8.0 Specification</p> <p>8.1 Operating voltage: DC3.0-5.5V</p> <p>8.2 Static current: >8mA</p> <p>8.3 Operating current: 30mA</p> <p>8.4 Operating range: 20cm ~ 6m</p> <p>8.5 Resolution: 1mm</p> <p>8.6 Detecting Angle: < 75°</p> <p>8.7 Operating Temperature: -20 ~ 70 °C</p> <p>8.8 Cable Length: 2.5m</p> <p>8.9 Dimension: L42mm*W29mm*H12mm/1.26*0.87*0.36in</p> <p>Delivery terms: 30 days upon issuance of NTP</p>	8	pc	1000.00	8,000.00
9	<p>Digital Luminosity/Lux/Light Sensor Breakout</p> <p>9.0 Specification</p> <p>9.1 Light Range Detected: 0.1 – 40,000 lux on the fly</p> <p>9.2 Operating temperature: -30 to 80 °C</p> <p>9.3 Operating voltage: 2.7 to 3.6 volts</p> <p>9.4 Interface: I2C</p> <p>9.5 Board/Chip: I2C 7-bit addresses 0x39, 0x29, 0x49</p> <p>9.6 With selectable jumpers</p> <p>9.7 Can measure infrared, full-spectrum, and human-visible light</p> <p>Delivery terms: 30 days upon issuance of NTP</p>	8	pc	1000.00	8,000.00
10	<p>USB Camera Module</p> <p>10.0 Specification</p> <p>10.1 "Sensor: IMX179 or higher</p> <p>10.2 Pixel Size: 1.4um or higher</p> <p>10.3 Resolution: at least 8 megapixel or higher</p> <p>10.4 Max Resolution: Full HD or higher</p> <p>10.5 Connecting Port type: USB 2.0 High Speed or higher</p> <p>10.6 Compression: MJPEG/YUV2</p> <p>10.7 Power Supply: USB Bus Power Supply</p> <p>10.8 Compatible with Mac, Linux, Windows OS, Raspberry Pi OS</p> <p>10.9 Plug and Play</p> <p>10.10 Support IR Cut</p> <p>Additional Specs:</p> <p>10.11 Adjustable Parameters: Brightness, Contrast, Saturation, Hue, Sharpness, Gamma,</p> <p>10.12 Gain, White balance, Backlight Contrast, Exposure</p>	8	pc	4000.00	32,000.00

	Delivery terms: 30 days upon issuance of NTP				
11	<p>Entry-Level 3-Dimensional Printer for Prototyping</p> <p>11.0 Specification</p> <p>11.1 Modelling Technology: Fused Deposition Modelling (FDM)</p> <p>11.2 Printing Accuracy: ± 0.1 mm</p> <p>11.3 Maximum Print Size: 220 x 220 x 250 mm (8.7 x 8.7 x 9.8")</p> <p>11.4 Nozzle Diameter: 0.4 mm</p> <p>11.5 Nozzle Speed: 180 mm/s</p> <p>11.6 Compatible Filaments: 1.75 mm PLA, TPU, ABS, PETG</p> <p>11.7 Operating Systems: support Windows, Linux, MacOS</p> <p>11.8 Layer Thickness: 0.1-0.4 mm</p> <p>11.9 Compatible Software: Pro/E, Solidworks, Siemens UX, 3DS Max, Rhinoceros 3D</p> <p>11.10 Compatible Formats: .stl, .obj, .mpt, .mpf, .nc</p> <p>11.11 Ambient Temperature: 5 to 40% *C (41 to 104 *F)</p> <p>11.12 Nozzle Temperature: 255*C (491 *F)</p> <p>11.13 Heated Bed Temperature: 110 *C (230*F)</p> <p>11.14 Connectivity: USB2.0 or higher, SD, Flash storage</p> <p>11.15 Power Source: AC 100-256V 50-60Hz</p> <p>11.16 Supports Auto-resume print, spool holder MK10 HotEnd</p> <p>Delivery terms: 30 days upon issuance of NTP</p>	1	pc	14999.00	14,999.00
12	<p>Thermoelectric Peltier Cooling System</p> <p>12.0 Specification</p> <p>12.1 Suitable Semiconductor Chilling Plate: TEC1-12706</p> <p>12.2 Material: Metal</p> <p>12.3 Voltage: 12V</p> <p>12.4 Electricity Current: 5.8A</p> <p>12.5 Power: Qcmax 50-60W</p> <p>12.6 Weight: 350g</p> <p>12.7 Fan size: 92 x 92 x 25mm</p> <p>Package Included:</p> <ul style="list-style-type: none"> - Cooling Fan - Fan Gauze - Guide cold plate - Radiator - Thermal insulation gasket - Silicon grease - Pack of Screws <p>Delivery terms: 30 days upon issuance of NTP</p>	9	pc	1000.00	9,000.00
13	<p>Male to Male Jumper/Connecting Wire</p> <p>13.0 Specification</p> <p>13.1 Jumper wire type: Male to Male</p> <p>13.2 Number of pins: 40</p> <p>13.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p>	14	unit	500.00	7,000.00
14	<p>Female to Female Jumper/Connecting Wire</p>	14	unit	500.00	7,000.00

	<p>14.0 Specification 14.1 Jumper wire type: Female to Female 14.2 Number of pins: 40 14.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p>				
15	<p>Male to Female Jumper/Connecting Wire 15.0 Specification 15.1 Jumper wire type: Male to Female 15.2 Number of pins: 40 15.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p>	14	unit	500.00	7,000.00
16	<p>Polyvinyl Chloride (PVC) Pipes for Prototyping 16.0 Specification 16.1 Type: Schedule 40 Pipe 16.2 Schedule: Schedule 40 16.3 Opening Diameter Size: 1/2 inch 16.4 Length: 10 feet 16.5 Material: PVC 16.6 Max Pressure: at least 780 PSI 16.7 End Type: Plain-end pipe 16.8 Color: Blue/Black/White/Transparent</p> <p>Delivery Terms: 30 days upon issuance of NTP</p>	13	pc	1000.00	13,000.00
17	<p>Schedule 40 Tee PVC Fitting/Socket for Prototyping 17.0 Specification 17.1 Type: Schedule 40 Fitting 17.2 Schedule: Schedule 40 17.3 Style: Tee 17.4 Opening Diameter Size: 1/2 inch 17.5 Connection Type: Socket 17.6 Material: PVC 17.7 End Type: Plain-end pipe 17.8 Color: Blue/Black/White/Transparent</p> <p>Note: Compatibility with a Schedule 40 1/2 inch opening diameter PVC pipe</p> <p>Delivery Terms: 30 days upon issuance of NTP</p>	20	pc	300.00	6,000.00
18	<p>Schedule 40 Plug PVC Fitting/Socket for Prototyping 18.0 Specification 18.1 Type: Schedule 40 Fitting 18.2 Schedule: Schedule 40 18.3 Style: Plug 18.4 Opening Diameter Size: 1/2 inch 18.5 Connection Type: Socket 18.6 Material: PVC 18.7 End Type: Plain-end pipe 18.8 Color: Blue/Black/White/Transparent</p> <p>Note: Compatibility with a Schedule 40 1/2 inch opening diameter PVC pipe</p> <p>Delivery Terms: 30 days upon issuance of NTP</p>	20	pc	300.00	6,000.00

19	3/4" X 1/2" X 1/2" Schedule 40 PVC Reducing Tee Socket for Prototyping 19.0 Specification 19.1 Type: Schedule 40 Fitting 19.2 Schedule: Schedule 40 19.3 Style: Reducing Tee 19.4 Opening Diameter Size: 3/4 inch x 1/2 inch x 1/2 inch 19.5 Connection Type: Socket x Socket x Socket 19.6 Material: PVC 19.7 End Type: Plain-end pipe 19.8 Color: Blue/Black/White/Transparent Note: Compatibility with a Schedule 40 1/2 inch opening diameter PVC pipe Delivery Terms: 30 days upon issuance of NTP	20	pc	300.00	6,000.00
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TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 299,999.00

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.