



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

<b>Kind of Procurement Activity:</b>	Negotiated Procurement:Small-value Procurement		
<b>Deadline of Submission of Bids:</b>	May-15-2023, 2:00 PM		
<b>RFQ No.:</b>	23-05-4362	<b>Date:</b>	May-10-2023
<b>PR No.:</b>	GAA-23-04-16522	<b>Date:</b>	April-13-2023

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><b>Fuse - Ceramic Fuse</b></p> <p>1 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 five (5) pc of Ceramic Fuse that will be used during testing for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Current: 11A</p> <p>2.2. Voltage: 1000 V</p> <p>2.3. Breaking capacity: 20k A</p> <p>2.4. Material: HBC Ceramic</p> <p>3 WARRANTY</p> <p>3.1. These ceramic fuse must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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>	5	pc	2500.00	12,500.00

	<p>4 DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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><b>Polyimide Electrical Tape</b></p> <p>1 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 two (2) pc of Polyimide Electrical Tape that will be used during testing for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Backing material: Polyimide Film</p> <p>2.2. Adhesive material: Silicone</p> <p>2.3. Color: Brown</p> <p>3 WARRANTY</p> <p>3.1. These polyimide electrical tape must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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 DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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	pc	2100.00	4,200.00
3	<p><b>Switch - Magnetic Reed Switch</b></p> <p>1 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 thirty (30) pc of Magnetic Reed Switch that will be used in the development of arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Operating range/Sensitivity: 10 ~ 15 AT</p> <p>2.2. Switching current:</p> <p>2.2.1. AC: 350 mA</p> <p>2.2.2. DC: 500 mA</p>	30	pc	90.00	2,700.00

	<p>2.3. Switching voltage:  2.3.1. AC: 140 V  2.3.2. DC: 200 V  2.4. Power: 10 W  2.5. Operating time: 1 ms  2.6. Release time: 0.5 ms  2.7. Mounting type: Surface Mount  2.8. Termination style: Gull Wing  2.9. Capacitance: 0.3 pF  2.10. Circuit: SPST-NO</p> <p>3 WARRANTY  3.1. These magnetic reed switch must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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.</p> <p>4 DELIVERY AND PAYMENT TERMS  4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).  4.2. Full payment will only be given once the item is 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>				
4	<p><b>Connector - BNC Connector (Female)</b>  1 GENERAL OVERVIEW  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of three (3) pc of female BNC Connector that will be used during testing of LoRa boards for arQ 2.0.  1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.  1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p>2 TECHNICAL SPECIFICATIONS  2.1. Connector style: BNC  2.2. Connector type: Jack, Female socket  2.3. Termination:  2.3.1. Contact: Solder  2.3.2. Shield: Solder  2.4. Impedance: 50 ohms  2.5. Mounting type: Panel mount, Through Hole  2.6. Fastening type: Bayonet Lock  2.7. Maximum frequency: 1 GHz  2.8. Housing color: Silver  2.9. Material:  2.9.1. Center  2.9.1.1. Contact: Phosphor Bronze  2.9.1.2. Plating: Gold  2.9.2. Body: Zinc Die Cast  2.9.3. Finish: Nickel  2.9.4. Dielectric: Polypropylene (PP)  2.10. Voltage rating: 500 V  2.11. Mating cycle: 500  2.12. Insertion loss: 0.2 dB</p>	3	pc	620.00	1,860.00

	<p>3 WARRANTY</p> <p>3.1. These BNC connectors must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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 DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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>				
5	<p><b>Connector - Male BNC to Male SMA Cable</b></p> <p>1 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 two (2) pc of male BNC to male SMA cable that will be used during testing of LoRa boards for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Style: BNC to SMA</p> <p>2.2. Connector A: BNC plug (male)</p> <p>2.3. Connector B: SMA plug (male)</p> <p>2.4. Cable type: RG-58</p> <p>2.5. Impedance: 50 ohms</p> <p>2.6. Connector impedance: 50 ohms</p> <p>2.7. Maximum frequency: 4 GHz</p> <p>2.8. Color: Black</p> <p>2.9. Feature: Shielded</p> <p>3 WARRANTY</p> <p>3.1. These male BNC to male SMA cables must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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 DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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	pc	1600.00	3,200.00
6	<p><b>Antenna Accessory - 1.6 mm Copper Wire</b></p> <p>1 GENERAL OVERVIEW</p>	1	roll	2400.00	2,400.00

	<p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) roll of 1.6 mm copper wire that will be used for making directional antenna for testing LoRa boards of arQ 2.0.</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><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Cross sectional area: 1.5 mm<sup>2</sup></p> <p>2.2. Wire gauge: 15 AWG</p> <p>2.3. Core stands: 1/1.5 mm</p> <p>2.4. Insulation material: PUR</p> <p>2.5. Length: 30 m</p> <p>2.6. Finish: Enamelled</p> <p>2.7. Shield type: Unshielded</p> <p>2.8. Cable type: Single Core</p> <p>2.9. Operating temperature range: +155 degrees Celsius</p> <p><b>3 WARRANTY</b></p> <p>3.1. This 1.6 mm copper wire must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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><b>4 DELIVERY AND PAYMENT TERMS</b></p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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>				
7	<p><b>Sensor - Vision AI sensor</b></p> <p><b>1 GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) pc of Vision AI sensor that will be used for arQ 2.0.</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><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. With 400 MHz DSP</p> <p>2.2. Maximum camera frame rate: 640 x 480 x VGA 60 FPS</p> <p>2.3. Power (sleep mode): down to 2.3 μWh</p> <p>2.4. Equipped with high data security by Edge computing</p> <p>2.5. Suitable for indoor and outdoor deployment</p> <p>2.6. Operating temperature: -40 ~ 85 degree Celsius</p> <p>2.7. IP rating: IP66</p>	1	pc	6600.00	6,600.00

	<p>3 WARRANTY</p> <p>3.1. This vision AI sensor must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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 DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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>				
8	<p><b>Sensor - Industrial pH sensor</b></p> <p>1 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 one (1) pc of Industrial pH Sensor that will be used for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. pH measurement:</p> <p>2.1.1. Range: 0 ~ 14 pH</p> <p>2.1.2. Accuracy: ± 0.1 pH</p> <p>2.1.3. Resolution: 0.01 pH</p> <p>2.2. Output interface: RS-485 MODBUS-RTU</p> <p>2.3. Power</p> <p>2.3.1. Supply: 3.9 to 30 VDC</p> <p>2.3.2. Consumption: 35 mA @ 24 VDC</p> <p>2.4. Temperature measurement:</p> <p>2.4.1. Range: -40 ~ 80 degree Celsius</p> <p>2.4.2. Resolution: 0.1 degree Celsius</p> <p>2.4.3. Accuracy: ± 0.5 degree Celsius</p> <p>2.5. Installation:</p> <p>2.5.1. Electrode: 3/4" NPT screw threads</p> <p>2.5.2. Transmitter: Mounting hole</p> <p>2.6. Start-up time: &lt; 2 seconds</p> <p>2.7. Operating temperature: -40 ~ 80 degree Celsius</p> <p>3 INCLUSIONS</p> <p>3.1. 2-meter Power and Signal Cable</p> <p>3.2. 5-meter Electrode Cable</p> <p>4 WARRANTY</p> <p>4.1. This industrial pH sensor must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p>5 DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30)</p>	1	pc	12100.00	12,100.00

	<p>calendar days upon issuance of Notice to Proceed (NTP).</p> <p>5.2. Full payment will only be given once the item is 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>				
9	<p><b>Sensor - Industrial EC and TDS sensor</b></p> <p>1 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 one (1) pc of Industrial EC and TDS Sensor that will be used for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Output interface: RS485 Modbus-RTU</p> <p>2.2. Power</p> <p>2.2.1. Supply: 3.9 – 30 VDC</p> <p>2.2.2. Consumption:</p> <p>2.2.2.1. Idle: 40 mA @ 24 VDC</p> <p>2.2.2.2. Maximum: 80 mA @ 24 VDC</p> <p>2.3. Start-up time: &lt;2 seconds</p> <p>2.4. Temperature measurement:</p> <p>2.4.1. Range: -40 ~ 80 degree Celsius</p> <p>2.4.2. Resolution: 0.1 degree Celsius</p> <p>2.4.3. Accuracy: ± 0.5 degree Celsius</p> <p>2.5. EC Measurement</p> <p>2.5.1. Isolated sensor input range: 0 – 20000 µs/cm</p> <p>2.5.2. Resolution: 0 – 10000 µs/cm; 10000 ~ 20000 µs/cm, 50 µs/cm</p> <p>2.5.3. Accuracy: 0 – 10000 µs/cm, ±3% ; 10000 – 20000 µs/cm, ±5%</p> <p>2.5.4. EC temperature compensation: 0 – 50 degrees Celsius</p> <p>2.6. Installation:</p> <p>2.6.1. Electrode: 1/2" NPT screw threads</p> <p>2.6.2. Transmitter: Mounting hole</p> <p>2.7. Operating temperature: -40 ~ +85 degrees Celsius</p> <p>3 INCLUSIONS</p> <p>3.1. 2-meter Power and Signal Cable</p> <p>3.2. 5-meter Electrode Cable</p> <p>4 WARRANTY</p> <p>4.1. This industrial EC and TDS sensor must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p>5 DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>5.2. Full payment will only be given once the item is</p>	1	pc	12100.00	12,100.00

	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.				
10	<p><b>Sensor - Industrial Dissolved Oxygen sensor</b></p> <p>1 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 one (1) pc of Industrial Dissolved Oxygen Sensor that will be used for arQ 2.0.</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>2 TECHNICAL SPECIFICATIONS</p> <p>2.1. Measuring ranges: 0 ~ 20 mg/L (0 - 200% saturation, 25 degree Celsius)</p> <p>2.2. Accuracy: ±2% FS, ±0.3 degree Celsius</p> <p>2.3. Resolution: 0.01 mg/L, 0.1 degree Celsius</p> <p>2.4. Calibration: Two-point calibration</p> <p>2.5. Temperature compensation: Automatic Temperature Compensation (Pt 1000)</p> <p>2.6. Output: RS485 (Modbus/RTU)</p> <p>2.7. Working conditions: 0 ~ 50 degree Celsius, &lt;0.2 MPa</p> <p>2.8. Material: PC, Stainless Steel</p> <p>2.9. Power</p> <p>2.9.1. Consumption: 0.3 W @ 12 V</p> <p>2.9.2. Supply: 12 ~ 24 VDC ( @typical 12 VDC)</p> <p>2.10. IP Rating: IP68</p> <p>2.11. 0 ~ 50 degree Celsius, &lt;0.2 MPa</p> <p>3 INCLUSION</p> <p>3.1. 5-meter Cable</p> <p>4 WARRANTY</p> <p>4.1. This industrial dissolved oxygen sensor must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p>5 DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>5.2. Full payment will only be given once the item is 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>	1	pc	20300.00	20,300.00
11	<p><b>LoRaWAN Data Logger</b></p> <p>1 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 one (1) pc of LoRaWAN Data Logger that will be used for arQ 2.0.</p> <p>1.2. The approved budget for the contract is inclusive of</p>	1	pc	6000.00	6,000.00



	<p>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><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Microcontroller: Wio-E5</p> <p>2.2. Input:</p> <p>2.2.1. Current: 4 to 20 mA (2 channel)</p> <p>2.2.2. Voltage: 0 to 10 V (2 channel)</p> <p>2.3. Interface: RS485 Modbus-RTU Protocol</p> <p>2.4. Support protocol: LoRaWAN v1.0.3 Class A</p> <p>2.5. Long-range channel plan: IN865/EU868/US915/AU915/AS923</p> <p>2.6. Maximum transmitted power: 19 dBm</p> <p>2.7. Sensitivity: -136 dBm @SF12 BW = 125 KHz</p> <p>2.8. IP rating: IP66</p> <p>2.9. Operating temperature: -40 to +85 degrees Celsius</p> <p>2.10. Operating humidity: 0 to 100 %RH (non-condensing)</p> <p>2.11. Battery capacity: 19 Ah (non-rechargeable)</p> <p>2.12. Communication distance: 2 to 10 km</p> <p><b>3 WARRANTY</b></p> <p>3.1. This LoRaWAN data logger must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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><b>4 DELIVERY AND PAYMENT TERMS</b></p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is 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>				
12	<p><b>Tools - High-temp 3D Printer</b></p> <p><b>1 GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) kit of High-Temp 3D Printer that will be used in producing 3D components needed during the testing of various set up for arQ 2.0.</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><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Molding technology: FDM (Fused Deposition Modelling)</p> <p>2.2. Build volume: 300 x 300 x 400 mm.</p> <p>2.3. Slicing software: any Slicer software like Cura</p> <p>2.4. Printing precision: ±0.1 mm.</p> <p>2.5. Nozzle specs:</p> <p>2.5.1. Diameter: 0.4 mm</p> <p>2.5.2. Material: Chromium Zirconium Copper</p> <p>2.5.3. Temperature: ≤300 degrees Celsius</p>	1	kit	44500.00	44,500.00

- 2.6. Extrusion method: Direct Drive
- 2.7. Heatbed temperature: ≤100 degrees Celsius
- 2.8. Layer height: 0.1 – 0.35 mm
- 2.9. Print sheet: Spring Steel PEI Magnetic Sheet
  - 2.9.1. Fast heating
  - 2.9.2. High adhesion
  - 2.9.3. Durable
  - 2.9.4. Deformation-resistant
- 2.10. Rated power: 350 W.
- 2.11. Power requirements: 100 – 240 AC, 24 DC
- 2.12. Supported materials: PLA / TPU / PETG / ABS / Wood high temperature printable PA, Carbon Fiber
- 2.13. Filament diameter: 1.75 mm.
- 2.14. Cloud platform support: Yes
- 2.15. Display: 4.3-inch HD Full Viewing Angle Screen
- 2.16. Touch screen: Capacitive Multi-touch Screen
- 2.17. Camera: AI Camera
- 2.18. Print medium: SD Card / Wi-Fi / Network
- 2.19. Network connection: Wi-Fi / Bluetooth / RJ45
- 2.20. Frame: Aluminum
- 2.21. Full-metal Dual-gear Direct Extruder
  - 2.21.1. Titanium Alloy Heatbreak
    - 2.21.1.1. Strong Heat Insulation
    - 2.21.1.2. 400 degrees Celsius Heat Resistance and Smooth Feeding Chromium Zirconium Nozzle
    - 2.21.1.3. Enhanced wear resistance for 4x service life
- 2.22. With Dual-mode Levelling
- 2.23. With Dual-Z Axes and Dual Diagonal Drawbacks

**3 WARRANTY**

- 3.1. This high-temp 3D printer must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 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 DELIVERY AND PAYMENT TERMS**

- 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).
- 4.2. Full payment will only be given once the item is 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 (ABC):**

**Php 128,460.00**

**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.*