



**ASTI-FM 03-10
REV 4/ 9 MAR 2022**

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

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Sep-09-2022, 10:00 AM		
RFQ No.:	22-09-3991	Date:	September-05-2022
PR No.:	GAA-22-07-14247	Date:	July-06-2022

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.

EMMANUEL P. BALINTEC
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Display - 5"</p> <p>1. Objective</p> <p>1.1. Item is an expendable component for electronics development.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of 5" Touchscreen Display Module.</p> <p>2. Technical Specifications</p> <p>2.1. Touchscreen Display Module compatible with Raspberry Pi</p> <p>2.2. Capacitive Touchscreen, Support at least 5 TouchPoints</p> <p>2.3. DSI Direct Driver compatible with Raspberry Pi</p> <p>2.4. Operating Voltage: 3.3V</p> <p>2.5. The Maximum Operating Current: 320mA</p> <p>2.6. Screen-off Current: 100mA</p> <p>2.7. Resolution: 800*480 or better</p> <p>2.8. Video Interface: DSI compatible with Raspberry Pi</p> <p>2.9. Number of Touch Points: at least 5</p> <p>2.10. Viewing Angle: 60°/70°/70°/70° or better</p> <p>2.11. RGB888-16 Mega True Color</p> <p>2.12. Refresh Frequency: at least 60Hz</p>	2	pc	4800.00	9,600.00

	<p>2.13. Luminous Efficiency: 280 cd/m²</p> <p>2.14. Operating Temperature: -20°C~70°C</p> <p>2.15. Dimension: 121mm×76mm / 4.76" × 2.99"</p> <p>2.16. Mounting Hole Size: M2.5</p> <p>2.17. Outside Mounting Hole Position: 113mm × 68mm/ 4.45" × 2.68"</p> <p>2.18. Inside Mounting Hole Position: 58mm x 49mm/ 2.28" x 1.93"</p> <p>2.19. Genuine product</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
2	<p>UPS Module</p> <p>1. Objective</p> <p>1.1. Item is an expendable component for electronics development.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of UPS Modules compatible with Raspberry Pi.</p> <p>2. Technical Specifications</p> <p>2.1. Compatible with standard Raspberry Pi extension interface and other expansion boards</p> <p>2.2. Auto switching of charge/recharge path</p> <p>2.3. On-board 5 LEDs for showing the batteries' status</p> <p>2.4. On-board Maxim fuel gauge IC or better</p> <p>2.5. Support reading battery information via I2C communication</p> <p>2.6. Lithium battery charge/discharge protection and over-heating protection</p> <p>2.7. Anti-backflow mainboard power source</p> <p>2.8. Supply Voltage: 4.5~5.5V</p> <p>2.9. Supply Current: recommend using adapter with power of 2A and above)</p> <p>2.10. Power Supply Interface: Micro-USB</p> <p>2.11. Maximum Charge Current: 1.6A</p> <p>2.12. Battery Interface: PH2.0-2P or solderable contact</p> <p>2.13. Battery: 3.7 Lithium Battery</p> <p>2.14. Output Voltage: 5V</p> <p>2.15. Maximum Output Current: 2A</p> <p>2.16. Communication Interface: I2C</p> <p>2.17. Dimension: 65mmx56mm/2.56"x2.20"</p> <p>2.18. Mounting Hole Size: 58mmx49mm/2.28"x1.93"</p> <p>2.19. Operating Temperature: -40°C~85°C"</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p>	2	pc	1400.00	2,800.00

	<p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
3	<p>Triangle Ruler</p> <p>1. Objective</p> <p>1.1. Item is a tool for electronics development.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Triangle Ruler.</p> <p>2. Technical Specifications</p> <p>2.1. Material: Aluminum</p> <p>2.2. Size : 18x18x2cm</p> <p>2.3. Measuring range: 180-256mm</p> <p>2.4. Product weight: 130g</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	1	pc	300.00	300.00
4	<p>Precision Screwdriver Repair Kit</p> <p>1. Objective</p> <p>1.1. Item is a tool for electronics development and maintenance of equipment.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Precision Screwdriver Repair Kit.</p> <p>2. Technical Specifications</p> <p>2.1. At least 115 in 1 Precision Screwdriver Repair</p> <p>2.2. High hardness, high accuracy</p> <p>2.3. Anti-static handle</p> <p>2.4. Magnetic heads</p> <p>2.5. Easy to carry plastic box</p> <p>2.6. Hexagonal bits</p> <p>2.6.1. ⊕ 2 x PH0000, 2 x PH000, 2 x PH00, 2 x PH0, 2 x PH1, 2 x PH2</p> <p>2.6.2. ⊖ SL1.0, 2 x SL1.5, 2 x SL2.0, 2 x SL2.5, 2 x SL3.0, SL3.5, SL4.0</p> <p>2.6.3. ⊗ T1, 2 x T2, 2 x T3, 2 x T4, 2 x T5, T6, T7, T8, T9, T10, T15, T20</p> <p>2.6.4. T6H, T7H, T8H, T9H, T10H, T15H, T20H</p> <p>2.6.5. 2 x P2 [0.8], 2 x P5 [1.2], P6 [1.5], P8 [2.0]</p> <p>2.6.6. H0.7, H0.9, H1.3, H1.5, H2.0, H2.5, H3.0, H3.5, H4.0, H4.5, H5, H6</p> <p>2.6.7. ▲ △2.0, △2.3, △2.6, 3.0</p> <p>2.6.8. 2 x Y0.6, Y2.0, Y2.5, Y3.0</p>	1	set	750.00	750.00

	<p>2.6.9. PZ00, PZ0, PZ1, PZ2 2.6.10. 2 x U2.6, 2 x U3.0, U8 2.6.11. S0, S1, S2 2.6.12. W2.0, W2.0 2.6.13. · 0.8, 1.0 2.6.14. M2.5, M3.0, M3.5, M4.0, M4.5, M5.0, M5.5 2.6.15. PH2</p> <p>3. Warranty 3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues. 3.2. Defective and incorrect items shall be replaced. 3.3. Warranty Period: at least one year.</p> <p>4. Payment and Delivery Terms 4.1. Price is inclusive of government taxes, delivery, etc. 4.2. Delivery: 60 days upon issuance of NTP.</p>				
5	<p>Screw Extractor Kit 1. Objective 1.1. Item is an expendable supply for maintenance of equipment. 1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted. 1.3. Scope of service: supply and delivery of Screw Extractor Kit.</p> <p>2. Technical Specifications 2.1. Screw Extractor Kit 2.2. Material: HSS 2.3. 22pc kit with case, extension bit holder, socket adapter, various sizes of drill and extractor bits (1.3mm to 5.9mm)</p> <p>3. Warranty 3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues. 3.2. Defective and incorrect items shall be replaced. 3.3. Warranty Period: at least one year.</p> <p>4. Payment and Delivery Terms 4.1. Price is inclusive of government taxes, delivery, etc. 4.2. Delivery: 60 days upon issuance of NTP.</p>	1	set	750.00	750.00
6	<p>Soldering Iron Tip Cleaner - Brass Sponge 1. Objective 1.1. Item is an expendable supply for electronics development and maintenance of equipment. 1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted. 1.3. Scope of service: supply and delivery of Brass Sponge Soldering Iron Tip Cleaner.</p> <p>2. Technical Specifications 2.1. Brass Sponge Soldering Tip Cleaner 2.2. Material: Brass 2.3. Product Weight: 0.019kg</p>	5	pc	130.00	650.00

	<p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
7	<p>Soldering Iron Tip Cleaner - Rosin</p> <p>1. Objective</p> <p>1.1. Item is an expendable supply for electronics development and maintenance of equipment.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Rosin-based Soldering Iron Tip Cleaner.</p> <p>2. Technical Specifications</p> <p>2.1. Rosin-based Soldering Iron Tip Cleaner</p> <p>2.2. Includes brass sponge</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	pc	200.00	400.00
8	<p>Soldering Iron Tip Tinner</p> <p>1. Objective</p> <p>1.1. Item is an expendable supply for electronics development and maintenance of equipment.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Soldering Iron Tip Tinner.</p> <p>2. Technical Specifications</p> <p>2.1. Removes the oxidized black layer of the soldering tip</p> <p>2.2. Makes the tips last longer and conduct a more even heat</p> <p>2.3. No diammonium phosphate, no damage to a circuit board</p> <p>2.4. Environmentally friendly and non-toxic</p> <p>2.5. Material: calcium phosphate, tin powder</p> <p>2.6. Size: approx. 3.5x3.5x2.8cm/ 1.38x1.38x1.1inch</p> <p>2.7. Wieght: 35g</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item against defects in</p>	3	pc	350.00	1,050.00

	<p>manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced.</p> <p>3.3. Warranty Period: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
9	<p>Isopropyl Alcohol - 99%</p> <p>1. Objective</p> <p>1.1. Item is an expendable supply for electronics development and maintenance of equipment.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of 99% Isopropyl Alcohol.</p> <p>2. Technical Specifications</p> <p>2.1. 99% Isopropyl Alcohol</p> <p>2.2. Industrial Solvent</p> <p>2.3. Volume: 4 Liters</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	1	btl	1090.00	1,090.00
10	<p>Wiring Harness Tape</p> <p>1. Objective</p> <p>1.1. Item is an expendable supply for electronics development.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Wiring Harness Tape.</p> <p>2. Technical Specifications</p> <p>2.1. Wiring harness tape</p> <p>2.2. Colour: Black</p> <p>2.3. Dimensions: 15m x 25mm</p> <p>2.4. Waterproof, anti-aging, shock absorption, high temperature</p> <p>2.5. Working temperature: -60 to 150 degrees celcius</p> <p>2.6. Materials: cotton flannel and strong adhesive glue</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p>	2	roll	219.00	438.00

	<p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
11	<p>Mesh Wiring Harness</p> <p>1. Objective</p> <p>1.1. Item is an expendable supply for electronics development.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Mesh Wiring Harness.</p> <p>2. Technical Specifications</p> <p>2.1. Diameter: 16mm</p> <p>2.2. Length: 5m</p> <p>2.3. Material: PET (Polyethylene terephthalate)</p> <p>2.4. Color: Black</p> <p>2.5. Self-Locking Design</p> <p>2.6. Resistant to wear and animal bites</p> <p>2.7. Protects and prolongs the life of cables</p> <p>2.8. Fire Resistant: Made of flame retardant PET, flame retardant UL94 V-2 grade, heat resistant up to 240 ± 10°C</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	roll	730.00	1,460.00
12	<p>Rubber Air Pump</p> <p>1. Objective</p> <p>1.1. Item is an accessory for maintenance of equipment.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Rubber Air Pump.</p> <p>2. Technical Specifications</p> <p>2.1. Natural and environmentally-friendly rubber</p> <p>2.2. Air inlet valve design prevents air stream air tube</p> <p>2.3. Detachable super air stream air tube</p> <p>2.4. Material: Rubber & metal</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery,</p>	2	pc	170.00	340.00

	etc. 4.2. Delivery: 60 days upon issuance of NTP.				
13	<p>Hot Bed Insulation</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Hot Bed Insulation.</p> <p>2. Technical Specifications</p> <p>2.1. Designed for 3D printer hot bed, compatible with Ender 3 / Pro</p> <p>2.2. Closed-cell elastic material has low thermal conductivity</p> <p>2.3. Temperature: - 50°C to 150°C (-58°F~302°F)</p> <p>2.4. Dimension: 220x220x10mm</p> <p>2.5. Quantity: 2pcs per pack</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	1	pack	520.00	520.00
14	<p>Hot Bed Silicone Spacer</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Hot Bed Silicone Spacer.</p> <p>2. Technical Specifications</p> <p>2.1. Silicone solid spacer and wire retainer</p> <p>2.2. Compatible with Ender 3 printer hotbed</p> <p>2.3. Can replace the original heated bed springs</p> <p>2.4. Withstand temperatures up to 200 degrees</p> <p>2.5. Color: Black</p> <p>2.6. Material: Silicone + Plastic</p> <p>2.7. Diameter: 15mm/0.59in(Outer); 4mm/0.16in(inner)</p> <p>2.8. Height: 18mm(0.71in); 16mm(0.63in)</p> <p>2.9. Package Size: 11.5x9x2.5cm / 4.5x3.5x1.0in</p> <p>2.10. Package Weight: 25g/0.88oz</p> <p>2.11. Contents</p> <p>2.11.1. 3pcs 18mm spacer</p> <p>2.11.2. 1pc 16mm spacer</p> <p>2.11.3. 1 x Wire Retainer</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced.</p>	2	pack	400.00	800.00

	<p>3.3. Warranty Period: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
15	<p>Bowden Tubing Kit</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Bowden Tubing Kit.</p> <p>2. Technical Specifications</p> <p>2.1. Premium XS Bowden Kit for Ender 3</p> <p>2.2. Bowden PTFE tubing with lowest friction on the market</p> <p>2.3. Inner Diameter (mm): 1.90 +/- 0.05</p> <p>2.4. Outer Diameter (mm): 3.95 +/- 0.05</p> <p>2.5. Melting Point: up to 340 Celsius</p> <p>2.6. Material: metal, PTFE, brass</p> <p>2.7. Package Contents</p> <p>2.7.1. 1 x 2m Premium XS bowden Tubing</p> <p>2.7.2. 1 x PTFE Teflon Tube Cutter</p> <p>2.7.3. 2 x PC4-M6 pneumatic fittings</p> <p>2.7.4. 2 x PC4-M10 pneumatic fittings</p> <p>2.7.5. 2 x MK8 socks</p> <p>2.7.6. 2 x Nozzles</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	set	600.00	1,200.00
16	<p>Pneumatic Fitting</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Pneumatic Fitting.</p> <p>2. Technical Specifications</p> <p>2.1. Pneumatic Fitting compatible with Ender 3 and Ender 3 Pro</p> <p>2.2. PC4-M6 pneumatic fitting</p> <p>2.2.1. Inner diameter(blue end): 4mm</p> <p>2.2.2. Thread: 6 mm</p> <p>2.2.3. Material: copper and plastic</p> <p>2.3. PC4-M10 pneumatic fitting</p> <p>2.3.1. Inner diameter(black end): 4mm</p>	1	pack	1200.00	1,200.00

	<p>2.3.2. Thread: 10 mm</p> <p>2.3.3. Material: stainless steel and plastic</p> <p>2.4 Metal teeth</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
17	<p>Belt Tensioner - 2020</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Belt Tensioner - 2020.</p> <p>2. Technical Specifications</p> <p>2.1. Belt Tensioner for X-Axis</p> <p>2.2. Compatible with Ender 3 and Ender 3 Pro</p> <p>2.3. Profile: 2020</p> <p>2.4. Material: Anodized Aluminum Alloy</p> <p>2.5. Color: Black</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	pc	900.00	1,800.00
18	<p>Belt Tensioner - 2040</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Belt Tensioner - 2040.</p> <p>2. Technical Specifications</p> <p>2.1. Belt Tensioner for Y-Axis</p> <p>2.2. Compatible with Ender 3</p> <p>2.3. Profile: 2040</p> <p>2.4. Material: Anodized Aluminum Alloy</p> <p>2.5. Color: Black</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues.</p>	1	pc	690.00	690.00

	<p>3.2. Defective and incorrect items shall be replaced.</p> <p>3.3. Warranty Period: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
19	<p>Belt Tensioner - 4040</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Belt Tensioner - 4040.</p> <p>2. Technical Specifications</p> <p>2.1. Belt Tensioner for Y-Axis</p> <p>2.2. Compatible with Ender 3 Pro</p> <p>2.3. Profile: 4040</p> <p>2.4. Material: Anodized Aluminum Alloy</p> <p>2.5. Color: Black</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	1	pc	920.00	920.00
20	<p>DC Fan - 4020</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of DC Fan - 4020.</p> <p>2. Technical Specifications</p> <p>2.1. Cooling Fan compatible with Ender 3 and Ender 3 Pro</p> <p>2.2. Genuine Product</p> <p>2.3. Type: Axial</p> <p>2.4. Material: Plastic</p> <p>2.5. Voltage: DC 24V</p> <p>2.6. Weight: 0.078kg</p> <p>2.7. Size: 4020</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p>	4	pc	288.00	1,152.00

	<p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
21	<p>MicroSD Card Extension Cable</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to various development boards.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of MicroSD Card Extension Cable.</p> <p>2. Technical Specifications</p> <p>2.1. microSD Card Extension Cable</p> <p>2.2. Material: Plastic + FFC</p> <p>2.3. Interface Type: TF/microSD</p> <p>2.4. Cable Length: Approx. 48cm / 18.9in</p> <p>2.5. Cable Width: Approx. 2cm / 0.8in</p> <p>2.6. Weight: Approx. 13g</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	5	pc	330.00	1,650.00
22	<p>MicroSD Card</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to various development boards.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of MicroSD Card.</p> <p>2. Technical Specifications</p> <p>2.1. MicroSD Card</p> <p>2.2. Performance class: at least A1</p> <p>2.3. UHS Speed Class: at least U1</p> <p>2.4. Speed Class: at least 10</p> <p>2.5. Storage Capacity: at least 128GB</p> <p>2.6. Card Type: microSDXC</p> <p>2.7. Data Transfer: Read Speed up to 120 MB/s</p> <p>2.8. Waterproof, Temperature, X-Ray, and Shock-Proof</p> <p>2.9. Genuine product</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p>	10	pc	685.00	6,850.00

	<p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
23	<p>3D Printer Enclosure</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of 3D Printer Enclosure.</p> <p>2. Technical Specifications</p> <p>2.1. Compatibility: Ender 3 3D Printer/Ender 3 PRO/Ender 5 3D Printer</p> <p>2.2. Function: Constant temperature / Soundproof / Dustproof</p> <p>2.3. Internal Dimension: 445X565x685mm</p> <p>2.4. Dimension: 495x615x735mm</p> <p>2.5. Metal pipes diameter: 16mm</p> <p>2.6. Package Includes:</p> <p>2.6.1. 440 metal pipes x 4</p> <p>2.6.2. 560 metal pipes x 4</p> <p>2.6.3. 645 metal pipes x 4</p> <p>2.6.4. fixed-angle bracket x 8</p> <p>2.6.5. folding shed x 1</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	pc	3000.00	6,000.00
24	<p>3D Printer Motherboard</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of 3D Printer Motherboard.</p> <p>2. Technical Specifications</p> <p>2.1. Compatibility: Ender 3/ender 3 pro/ender 5/ender 5 pro/CR-10 3D printer</p> <p>2.2. Supports BLTouch, RGB lights, blocking detection, shutdown function, TFT35 E3 V3.0/TFT35 V3.0/TFT28 V3.0 touch screen as well as original 12864 LCD of Ender 3</p> <p>2.3. Superior Heat Dissipation Performance: equipped with a large Aluminum heat sink of stepper motor driver instead of pieces small heat sink, this design is able to increase the heat dissipation performance of the motherboard by 20% which greatly strengthen the heat dissipation capacity of the driver totally.</p>	1	pc	3000.00	3,000.00

	<p>2.4. Firmware Update: Compatible with Marlin and Klipper firmware.</p> <p>2.5. Stepper motor driver: TMC2209, generates lower heat and it has a large-area cooling position to lower the temperature when driver working. Also adopts stealthChop2 Mute technology which reduces motor noise to the point of silence at low velocities to ensures noiseless operation, maximum efficiency and best motor torque.</p> <p>2.6. Control chip: STM32G0B1RET6 ARM Cortex-M0+ or better</p> <p>2.7. Interface: Micro USB</p> <p>2.8. Controlled Fan: 3</p> <p>2.9. SPI Output Power: 3.3V/5V</p> <p>2.10. Package Dimensions: 5.35 x 5.04 x 1.5 inches (13.6 x 12.8 x 3.8 cm)</p> <p>2.11. Item Weight: 4.8 ounces (136.08 grams)</p> <p>2.12. Includes</p> <p>2.12.1. Control Board x1 (latest version)</p> <p>2.12.2. Heatsink x1</p> <p>2.12.3. USB Cable x1</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
25	<p>3D Printer Nozzle and Cleaning Kit</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of 3D Printer Nozzle and Cleaning Kit.</p> <p>2. Technical Specifications</p> <p>2.1. 3D Printer Nozzle and Cleaning Kit</p> <p>2.2. Compatible with Creality Ender 3</p> <p>2.3. Material: brass</p> <p>2.4. Hexagon diameter: 6 mm</p> <p>2.5. Screw thread: M6</p> <p>2.6. Package contents:</p> <p>2.6.1. 10 x 0.35 nozzle cleaning needle</p> <p>2.6.2. 10 x MK8 0.4mm brass nozzle</p> <p>2.6.3. 1 x Needle tube</p> <p>2.6.4. 1 x Curved Tweezer</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p>	4	pack	355.00	1,420.00

	<p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>				
26	<p>Servo Motor Heatsink</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Motor Heatsink.</p> <p>2. Technical Specifications</p> <p>2.1. Reduces heat generated during motor use and improves motor performance</p> <p>2.2. Size: 40 x 40 mm</p> <p>2.3. With strong adhesive</p> <p>2.4. Compatible with Nema17 Stepper Motor</p> <p>2.5. 10 pcs per pack</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery, etc.</p> <p>4.2. Delivery: 60 days upon issuance of NTP.</p>	2	pack	1400.00	2,800.00
27	<p>Heatblock Sock</p> <p>1. Objective</p> <p>1.1. Item is an expendable accessory to a 3D printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted.</p> <p>1.3. Scope of service: supply and delivery of Heatblock Sock.</p> <p>2. Technical Specifications</p> <p>2.1. Made of non-stick silicone material, durable and high temperature resistant.</p> <p>2.2. Helps to keep the hot end temperature extremely stable.</p> <p>2.3. Can extend the life of the heater block and extruder by keeping it cleaner.</p> <p>2.4. Material: Silicone</p> <p>2.5. Quantity: 4pcs per pack</p> <p>2.6. Color: Black</p> <p>2.7. Package Size: 10 x 10 x 1cm/4 x 4 x 0.4in</p> <p>2.8. Package Weight: 12g/0.4oz</p> <p>3. Warranty</p> <p>3.1. Supplier warrants the item 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: at least one year.</p> <p>4. Payment and Delivery Terms</p>	3	pack	320.00	960.00

	4.1. Price is inclusive of government taxes, delivery, etc. 4.2. Delivery: 60 days upon issuance of NTP.				
28	All-Metal Extruder 1. Objective 1.1. Item is an expendable accessory to a 3D printer. 1.2. The specifications written here are of minimum requirements, unless otherwise stated. Offers that have better specifications are preferred and accepted. 1.3. Scope of service: supply and delivery of All-Metal Extruder. 2. Technical Specifications 2.1. Double Gear Extrusion Mechanism 2.2. All-metal aluminum alloy 2.3. High quality dual gear extrusion 2.4. Compatibility: Ender 3 / Pro 3. Warranty 3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues. 3.2. Defective and incorrect items shall be replaced. 3.3. Warranty Period: at least one year. 4. Payment and Delivery Terms 4.1. Price is inclusive of government taxes, delivery, etc. 4.2. Delivery: 60 days upon issuance of NTP.	2	pc	650.00	1,300.00

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 51,890.00

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.