



**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>	Aug-09-2022, 2:00 PM		
<b>RFQ No.:</b>	22-08-3964	<b>Date:</b>	August-04-2022
<b>PR No.:</b>	ROAMER-22-07-14325	<b>Date:</b>	July-22-2022

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><b>Servo Motor - Analog</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 three (3) pcs. of analog servo motor.</p> <p>1.2. Said unit shall be used for electronics prototyping</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Operating Speed: 0.18sec/60degree (4.8V), 0.16sec/60degree (6V)</p> <p>2.2. Stall Torque: 9kg.cm/125.2oz.in(4.8V), 10.2kg.cm/141.9oz.in(6V)</p> <p>2.3. Operating Voltage: 4.8V~6V</p> <p>2.4. Control System: Analog</p> <p>2.5. Direction: CCW</p> <p>2.6. Operating Angle: 180degree</p> <p>2.7. Required Pulse: 500us-2500us</p> <p>2.8. Bearing Type: 2BB</p> <p>2.9. Gear Type: Metal</p>	3	pc	750.00	2,250.00

	<p>2.10. Motor Type: Carbon  2.11. Connector Wire Length: 30 cm  2.12. Modulation: Analog  2.13. Torque: 4.8V: 125.20 oz-in (9.02 kg-cm)  2.14. 6.0V: 141.90 oz-in (10.22 kg-cm)  2.15. Speed: 4.8V: 0.18 sec/60°  2.16. 6.0V: 0.16 sec/60°  2.17. Weight: 1.98 oz (56.0 g)  2.18. Dimensions: Length:1.61 in (40.8 mm)  2.19. Width:0.79 in (20.1 mm)  2.20. Height:1.50 in (38.0 mm)  2.21. Motor Type: Brushed  2.22. Gear Type: Metal  2.23. Rotation/Support: Dual Bearings  2.24. Rotational Range: 180°  2.25. Pulse Cycle: (add)  2.26. Pulse Width: 500-2500 µs  2.27. Connector Type: (add)</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: 30 days upon issuance of NTP</p>				
2	<p><b>U.FL Connector - Surface Mount</b></p> <p>1. General Overview  The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of ten (10) pcs. of U.FL Connector - Surface Mount</p> <p>1.1. Said unit shall be used as a coaxial connector for radio frequency applications  1.2. The approved budget for the contract is inclusive of all applicable government taxes and service charges  1.3. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. VSWR of 1.3max at 0 to 3GHz  2.2. Operating temperature range from -40°C to 90°C  2.3. Extraction jig permits simple removal of connectors  2.4. Connector Style: U.FL (UMCC)  2.5. Connector Type: Receptacle, Male Pin  2.6. Connector Body Style: Straight Jack  2.7. Coaxial Termination: Solder  2.8. Shield Termination: Solder  2.9. Impedance: 50ohm  2.10. Mounting Type: Surface Mount  2.11. Fastening Type: Snap-On  2.12. Fastening Type: Snap-On  2.13. Frequency Max: 6GHz  2.14. Number of Ports: 1  2.15. Body Material: Phosphor Bronze</p>	10	pc	70.00	700.00

	<p>2.16. Center Contact Plating: Gold Plated Contacts</p> <p>2.17. Dielectric Material: Liquid Crystal Polymer (LCP)</p> <p>2.18. Connector Mounting: PCB Mount</p> <p>2.19. Center Contact Material: Brass</p> <p>2.20. Product Range: U.FL</p> <p>2.21. Weight: 0.000084 kg</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: 30 days upon issuance of NTP</p>				
3	<p><b>Male Pin Header - 1x40</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 hundred (100) pcs. of 1x40 male pin header.</p> <p>1.2. Said unit shall be used to connect printed circuit boards</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Pin Style: Square</p> <p>2.2. Number of Pins: 40</p> <p>2.3. Pin Spacing: 0.1" (2.54 mm)</p> <p>2.4. Pin Length: 11.5 mm</p> <p>2.5. Total Size (LxWxH; mm.): 102 x 7.5 x 2.5mm</p> <p>2.6. Weight: 4g.</p> <p>2.7. Material: plastic, metal</p> <p>2.8. Color: Black, Silver Tone</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: 30 days upon issuance of NTP</p>	100	pc	18.00	1,800.00
4	<p><b>Dupont Connector Kit</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. Dupont connector kit.</p> <p>1.2. Said unit shall be used for electronics prototyping</p> <p>1.3. The approved budget for the contract is inclusive</p>	1	pc	350.00	350.00

	<p>of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Features: Compatible with Arduino and Raspberry Pi projects</p> <p>2.2. Packaging: Box</p> <p>2.3. Color: Black and Silver</p> <p>2.4. Size (LWH; mm):132 x 68 x 23</p> <p>2.5. Material: Plastic and metal</p> <p>2.6. Must include:1 x Plastic Box (contains 310 pcs. connector kit)</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: 30 days upon issuance of NTP</p>				
5	<p><b>Pipe Fitting Adapter</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) pcs. of pipe fitting adapter.</p> <p>1.2. Said unit shall be used to apply as a quick fitting joint for pipes in prototyping liquid applicator</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Features: good resistance to freezing and impact; corrosion-proof; leak-resistant</p> <p>2.2. Material: Brass</p> <p>2.3. Color: Gold</p> <p>2.4. Male Thread: 1/2 BSPT</p> <p>2.5. Female Thread: 3/4 BSPT</p> <p>2.6. Length: 27mm / 1.06"</p> <p>2.7. Must include: 1 x Pipe Reducer</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>	2	pc	150.00	300.00

	4.2. Delivery: 30 days upon issuance of NTP				
6	<p><b>Voltage Level Translator IC</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 ten (10) pcs. of voltage level translator IC.</p> <p>1.2. Said unit shall be used for high to low level shifting applications</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. No. of inputs: 6</p> <p>2.2. Output current: 5.2mA</p> <p>2.3. Propagation delay: 7ns</p> <p>2.4. No. of pins: 16</p> <p>2.5. Logic Case Style: SOIC</p> <p>2.6. Supply Voltage Min: 2V</p> <p>2.7. Supply Voltage Max: 6V</p> <p>2.8. Operating Temperature: -40C to +125C</p> <p>2.9. Logic Type: Level Translator</p> <p>2.10. Footprint: SO16</p> <p>2.11. Features: Low-power dissipation; complies with JEDEC standard no. 7A</p> <p>2.12. ESD protection:</p> <p>2.12.1. HBM JESD22-A114F exceeds 2 000 V</p> <p>2.12.2. MM JESD22-A115-A exceeds 200 V</p> <p>2.13. Package: Plastic small outline package</p> <p>2.14. Leads: 16</p> <p>2.15. Body width: 3.9 mm</p> <p>2.16. Version: SOT109-1</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: 30 days upon issuance of NTP</p>	10	pc	50.00	500.00
7	<p><b>Linear Voltage Regulator IC</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 ten (10) pcs. of linear voltage regulator integrated circuit (IC).</p> <p>1.2. Said unit shall be used for regulation of unstable voltage input into higher or lower constant stable voltage output to be implemented in the electrical system of the project</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p>	10	pc	40.00	400.00

	<p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Type: Linear</p> <p>2.2. Output Configuration: Positive</p> <p>2.3. Output Type: Fixed</p> <p>2.4. Number of Regulators: 1</p> <p>2.5. Voltage – Input (Max): 6V</p> <p>2.6. Voltage – Output (Min/Fixed): 3.3V</p> <p>2.7. Voltage Dropout (Max): 0.4V @600mA</p> <p>2.8. Current Output: 600mA</p> <p>2.9. Current Quiescent (Iq): 80 <math>\mu</math>A</p> <p>2.10. PSRR: 65sB (100Hz ~ 1KHz)</p> <p>2.11. Control Features: Enable</p> <p>2.12. Protection Features: Over Current, Over Temperature</p> <p>2.13. Operating Temperature: -40°C ~ 85°C</p> <p>2.14. Mounting Type: Surface Mount</p> <p>2.15. Package/Case: SC-74A, SOT-753</p> <p>2.16. Supplier Device Package: SOT-25</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: 90-120 days upon issuance of NTP</p>				
8	<p><b>MOSFET IC</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 twenty (20) pcs. of MOSFET IC.</p> <p>1.2. Said unit shall be used for switching applications</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. Type: N-channel logic level Mode Field Effect Transistor</p> <p>2.2. Features: high density cell design for extremely low static drain-source on-resistance</p> <p>2.3. FET Type: N-Channel</p> <p>2.4. Technology: MOSFET (Metal Oxide)</p> <p>2.5. Drain to Source Voltage (Vdss): 50 V</p> <p>2.6. Current - Continuous Drain (Id) @ 25°C: 220mA (Ta)</p> <p>2.7. Drive Voltage (Max Rds On, Min Rds On): 4.5V, 10V</p> <p>2.8. Rds On (Max) @ Id, Vgs: 3.5Ohm @ 220mA, 10V</p>	20	pc	40.00	800.00

	<p>2.9. Vgs(th) (Max) @ Id: 1.5V @ 1mA  2.10. Gate Charge (Qg) (Max) @ Vgs: 2.4 nC @ 10 V  2.11. Vgs (Max): ±20V  2.12. Input Capacitance (Ciss) (Max) @ Vds: 27 pF @ 25 V  2.13. Power Dissipation (Max): 360mW (Ta)  2.14. Operating Temperature: -55°C ~ 150°C (TJ)  2.15. Mounting Type: Surface Mount  2.16. Supplier Device Package: SOT-23-3  2.17. Thermal Resistance (RJA): 350 °C/W at TA = 25°C  2.18. Package / Case: TO-236-3, SC-59, SOT-23-3</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: 90-120 days upon issuance of NTP</p>				
9	<p><b>Stepper Motor NEMA 34 45kg-cm</b></p> <p>1. General Overview  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of two (2) pcs. of Stepper Motor NEMA 34 45kg-cm.  1.2. Said unit shall be used for position control.  1.3. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:  2.1.1. Form Factor: Nema 34  2.1.2. Step Angle: 1.8 deg.  2.1.3. Motor Length: 80 mm  2.1.4. Rated Voltage: 2.2 V  2.1.5. Rated Current: 5.5A  2.1.6. Phase Resistance: 0.4 Ohms  2.1.7. Phase Inductance: 3.5 mH  2.1.8. Holding Torque: 45 kg-cm  2.1.9. No. of Lead Wires: 4  2.1.10. Detent Torque: 6.5 N-cm  2.1.11. Motor Weight: 1 kg</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: 90-120 days upon issuance of NTP</p>	2	pc	4000.00	8,000.00
10	<p><b>Stepper Motor NEMA 17</b></p> <p>1. General Overview</p>	2	pc	850.00	1,700.00

	<p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of two (2) pcs. of Stepper Motor NEMA 17 4500g-cm MLE00409.</p> <p>1.2. Said unit shall be used for position control</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. Form Factor: Nema 17</p> <p>2.2. Step Angle: 1.8 degrees</p> <p>2.3. Motor Length: 48 mm</p> <p>2.4. Rated Voltage: 3.6 V</p> <p>2.5. Rated Current: 1.2 A</p> <p>2.6. Phase Resistance: 3 Ω</p> <p>2.7. Phase Inductance: 5 mH</p> <p>2.8. Holding Torque: 4500 g-cm</p> <p>2.9. No. of Lead Wires: 4</p> <p>2.10. Rotor Inertia: 68 g-cm<sup>2</sup></p> <p>2.11. Detent Torque: 280 g-cm</p> <p>2.12. Motor Weight: 0.36 kg</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: 30 days upon issuance of NTP</p>				
11	<p><b>Stepper Motor Nema 17 20mm</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) pcs. of Stepper Motor Nema 17 20mm</p> <p>1.2. Said unit shall be used for position control</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. Motor Type: Bipolar Stepper</p> <p>2.2. Step Angle: 1.8 deg. (200 steps/revolution)</p> <p>2.3. Holding Torque: 13Ncm(18.4oz.in)</p> <p>2.4. Rated Current/phase: 1.0A</p> <p>2.5. Phase Resistance: 3.5ohms</p> <p>2.6. Inductance: 4.5mH+/-20%(1KHz)</p> <p>2.7. Frame Size: 42 x 42mm</p> <p>2.8. Body Length: 20mm</p> <p>2.9. Shaft Diameter: 5mm</p> <p>2.10. Shaft Length: 20mm</p> <p>2.11. D-cut Length: 16.5mm</p>	2	pc	450.00	900.00



	<p>2.12. Number of Leads: 4  2.13. Lead Length: 400mm  2.14. Weight: 140g  2.15. Connection: Black(A+), Green(A-), Red(B+), Blue(B-)  2.16. Must include: 1x stepper motor</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>				
12	<p><b>Stepper Motor Nema 23 15kg-cm</b></p> <p>1. General Overview  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of two (2) pcs. of Stepper Motor Nema 23 15kg-cm  1.2. Said unit shall be used for position control  1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges  1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment  2.1. Form Factor: Nema 23  2.2. Step Angle: 1.8 deg.  2.3. Motor Length: 78 mm  2.4. Rated Voltage: 3V  2.5. Rated Current: 1.5A  2.6. Holding Torque: 15 kg-cm  2.7. No. of Lead Wires: 6  2.8. Motor Weight: 1 kg</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>	2	pc	2250.00	4,500.00
13	<p><b>Aluminum Timing Pulley 3M20T bore</b></p> <p>1. General Overview  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of six (6) pcs. of Aluminum Timing Pulley 3M20T bore  1.2. Said unit shall be used for mechanical prototyping  1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges  1.4. The technical specifications written herein are of</p>	6	pc	250.00	1,500.00

	<p>minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. Type: 20Teeth 3M timing pulley</p> <p>2.2. Bore: 8mm</p> <p>2.3. Tooth shape: arc tooth</p> <p>2.4. Fit for belt width: 11mm</p> <p>2.5. Pitch: 3mm</p> <p>2.6. Dimensions: 22mm</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>				
14	<p><b>Aluminum Timing Pulley 3M60T bore</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 six (6) pcs. of Aluminum Timing Pulley 3M60T bore.</p> <p>1.2. Said unit shall be used for mechanical prototyping</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. Type: 60Teeth 3M timing pulley</p> <p>2.2. Bore Diameter: 8mm</p> <p>2.3. Tooth shape: arc tooth</p> <p>2.4. Fit for belt width: 11mm</p> <p>2.5. Pitch: 3mm</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>	6	pc	500.00	3,000.00
15	<p><b>Kensington Lock</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 ten (10) pcs. of Kensington lock.</p> <p>1.2. Said unit shall be used to secure mobile workstations through the attachment of lock via</p>	10	pc	2650.00	26,500.00

	<p>Kensington security slot</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1. Features:</p> <p>2.1.1. Keyless 4-Wheel Combination</p> <p>2.1.2. Push Button Design</p> <p>2.1.3. Self-Coiling Cable</p> <p>2.1.4. Attaches via Kensington Security Slot</p> <p>2.2. Warranty Period: 1 year</p> <p>2.3. Lock Management: Standard</p> <p>2.4. Cable Construction: 7x7</p> <p>2.5. Cable Length (ft/m): 6/1.8</p> <p>2.6. Cable Thickness (mm): 4.4</p> <p>2.7. Lock Type: Combination Lock</p> <p>2.8. No. Items Secured: 1</p> <p>2.9. Access Type: Individual Access</p> <p>2.10. Cable Type: Standard</p> <p>2.11. Engagement Type: T bar</p> <p>2.12. Security Slot Compatibility: Kensington Security Slot</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: 30 days upon issuance of NTP</p>				
16	<p><b>Washing and Curing Machine</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) unit of washing and curing machine.</p> <p>1.2. Said unit shall be used to wash and cure 3D printing models for improvement of performance of materials.</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. 360° all-around curing</p> <p>2.2. 360° specular reflections curing rotating platform with 385nm and 405nm dual-band LED beads, all-round curing without dead band.</p> <p>2.3. Dual-band UV lamp beads strip, increase entire lens strip to make the UV light source irradiation is more uniform and concentrated and more complete</p>	1	unit	10000.00	10,000.00

	<p>model curing.</p> <p>2.4. Fully-enclosed machine size (LxWxH; mm.): 325*295*485</p> <p>2.5. Fully-enclosed weight: 8kg</p> <p>2.6. Washing size (LxWxH; mm): 240*160*200</p> <p>2.7. Curing size: at least Ø200x300mm</p> <p>2.8. Maximum model weight: 2.5kg</p> <p>2.9. Modes: Cleaning/Curing</p> <p>2.10. SLA wavelength: 385nm &amp; 405nm</p> <p>2.11. Box type: Fully-enclosed</p> <p>2.12. Features:</p> <p>2.12.1. Large model cleaning/curing</p> <p>2.12.2. 10.1-inch large size</p> <p>2.12.3. Large rotate at the speed</p> <p>2.12.4. Speed/Time settings</p> <p>2.12.5. Interactive interface</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: 30 days upon issuance of NTP</p>				
17	<p><b>Resin Scraper</b></p> <p>1. Objective</p> <p>1.1. Item will be used as consumable supplies for 3D Printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated.</p> <p>1.3. The item is required to be at least five (5) sets in quantity.</p> <p>1.4. Scope of service: supply and delivery of Resin Print Scraper Set.</p> <p>2. Technical Specifications</p> <p>2.1. Features:</p> <p>2.1.1. can remove prints from the platform after printing</p> <p>2.1.2. can scrape excess resin off the build plate and vat</p> <p>2.4. Material: PVC</p> <p>2.5. Color: Green</p> <p>2.6. Sizes: 2", 4", and 6"</p> <p>2.7. Quantity per set: 3 pcs.</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: 30 days upon issuance of NTP</p>	5	set	280.00	1,400.00
18	<p><b>Resin – PLA</b></p>	10	btl	820.00	8,200.00

	<p>1. Objective</p> <p>1.1. Item will be used as consumable supplies for 3D Printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated.</p> <p>1.3. Item is required to be at least ten (10) bottles in quantity.</p> <p>1.4. Scope of service: supply and delivery of PLA Pro Resin.</p> <p>2. Technical Specifications</p> <p>2.1. Features:</p> <p>2.1.1. Environmental, bio-based (PLA Pro)</p> <p>2.1.2. High strength and toughness, balanced performance</p> <p>2.1.3. High precision, high resolution</p> <p>2.1.4. Compatible with color screen, monochrome screen, large and small size printers</p> <p>2.5. Tensile Strength(MPa): 37-48</p> <p>2.6. Flexural Strength(Mpa): 36-49</p> <p>2.7. Elongation at Break(%): 25-28%</p> <p>2.8. IZOD Impact Strength/(J/m): 32-36</p> <p>2.9. Hardness(Shore D): 78-80</p> <p>2.10. Viscosity: 200-300</p> <p>2.11. Density: 1.09-1.10</p> <p>2.12. Weight: at least 0.5kg per bottle</p> <p>2.13. Color: Black, Grey, White</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: 30 days upon issuance of NTP</p>				
19	<p><b>Release Film Liner</b></p> <p>1. Objective</p> <p>1.1. Item will be used as consumable supplies for 3D Printer.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated.</p> <p>1.3. Item is required to be at least five (5) packs in quantity.</p> <p>1.4. Scope of service: supply and delivery of Release Film Liner.</p> <p>2. Technical Specifications</p> <p>2.1. Features:</p> <p>2.1.1. Compatible with ELEGOO Saturn S MSLA 3D printer</p> <p>2.1.2. Durable quality for long term usage</p> <p>2.1.3. Comes with an easy-to-follow tutorial on the package guiding you to replace the FEP film</p> <p>2.1.4. Compact cylinder package design</p> <p>2.2. Dimensions (mm): 200 x 260 x 0.15</p> <p>2.3. UV Transparency: at least 95% light transmittance</p> <p>2.4. Heat resistance: -240 °C to 205 °C</p>	5	pack	1650.00	8,250.00

	<p>2.8. Package Size: φ47mm*220mm 2.9. Quantity per pack: at least 5pcs</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: 30 days upon issuance of NTP</p>				
20	<p><b>Flexible Print Plate</b></p> <p>1. Objective 1.1. Item will be used as consumable supplies for 3D Printer. 1.2. The specifications written here are of minimum requirements, unless otherwise stated. 1.3. Item is required to be at least two (2) pieces in quantity. 1.4. Scope of service: supply and delivery of Flexible Print Plate.</p> <p>2. Technical Specifications 2.1. Features: 2.1.1. Magnetic flexible print plate 2.1.2. Compatible with Elegoo Saturn S 2.2. Size (mm): 196 x 126 2.3. Item includes: 2.3.1. Magnetic Base with adhesive 2.3.2. Flexible Build Plate (spring steel)</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: 30 days upon issuance of NTP</p>	2	unit	1500.00	3,000.00
21	<p><b>Resin Silicone Mat</b></p> <p>1. Objective 1.1. Item will be used as consumable supplies for 3D Printer. 1.2. The specifications written here are of minimum requirements, unless otherwise stated. 1.3. Item is required to be at least three (3) pieces in quantity. 1.4. Scope of service: supply and delivery of Resin Silicone Mat.</p> <p>2. Technical Specifications 2.1. Features: 2.1.1. High temperature resistance 2.1.2. Slip resistance 2.1.3. Shockproof</p>	3	unit	275.00	825.00

	<p>2.1.4. Good softness  2.1.5. Strong extensibility  2.1.6. Good water repellent  2.1.7. Air permeability.  2.3. Material: Silicone  2.4. Color: Orange  2.5. Product Size (unfold; mm): at least 414 x 310 (16.3x12.2in)</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>				
22	<p><b>Oil Resistant Gloves Mittens</b></p> <p>1. General Overview  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of six (6) pcs. of oil resistant gloves mittens.  1.2. Said item shall be used as personal protective equipment  1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges  1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment  2.1. Color: Blue  2.2. Material: Nylon / NBR  2.3. Size (LxW; cm): 23x10  2.4. Middle finger length: 8cm  2.5. Must include: 1 x pair</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>	6	pc	105.00	630.00
23	<p><b>USB A Port Hub</b></p> <p>1. General Overview  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of two (2) pcs. of USB A Port Hub.  1.2. Said unit shall be used for multiple connection of USB devices  1.3. The approved budget for the contract is inclusive</p>	2	pc	3200.00	6,400.00

	<p>of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p> <p>2.1. USB Standard: USB 3.0 (with compatibility to 2.0)</p> <p>2.2. Number of USB Ports: 4</p> <p>2.3. USB Connection Type: USB A</p> <p>2.4. Power Source: USB Bus</p> <p>2.5. Features:</p> <p>2.5.1. Supplied with an AC outlet for charging devices from the mains</p> <p>2.5.2. Compatible with Windows XP or later and macOS X</p> <p>2.5.3. Complies with FCC requirements for radio frequency interference</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: 30 days upon issuance of NTP</p>				
24	<p><b>3D Printer</b></p> <p>1. Objective</p> <p>1.1. Item will be used as a tool to produce enclosures, brackets, mountings, and other parts.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated.</p> <p>1.3. The item is required to be at least one (1) unit in quantity.</p> <p>1.4. Scope of service: supply and delivery of 3D Printer.</p> <p>2. Technical Specifications</p> <p>2.1. 3D Printer Type: MSLA</p> <p>2.2. LCD Screen Size: at least 9.1”</p> <p>2.3. XY Resolution: at least 4098x2560</p> <p>2.4. Pixel Size: at most 48um (0.048mm)</p> <p>2.5. Screen Life: at least 2000h</p> <p>2.6. Print Size (Build Volume): at least 196x122x210mm (LxWxH)</p> <p>2.7. Print Speed: 30-70mm/h or better</p> <p>2.8. Screen Scratch-resistant Film: Yes</p> <p>2.9. Air Purifier: Yes</p> <p>2.10. FEP Film: FEP2.0 or better</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, fees, delivery, etc.</p>	1	unit	31000.00	31,000.00



	4.2. Delivery: 30 days upon issuance of NTP				
25	<p><b>3D Scanner</b></p> <p>1. Objective</p> <p>1.1. Item will be used as a tool to create 3D models.</p> <p>1.2. The specifications written here are of minimum requirements, unless otherwise stated.</p> <p>1.3. The item is required to be at least one (1) unit in quantity.</p> <p>1.4. Scope of service: supply and delivery of 3D Scanner.</p> <p>2. Technical Specifications</p> <p>2.1. Technology: Dual camera infrared structured light</p> <p>2.2. Single capture accuracy: 0.3mm or better</p> <p>2.3. Single capture range: 210mm x 130mm or better</p> <p>2.4. Working distance: 275mm±100mm or better</p> <p>2.5. Minimum scan volume: 50x50x50 or better</p> <p>2.6. Scan speed: at least 8 fps</p> <p>2.7. Light source: 1 class infrared Laser(eye-safe)</p> <p>2.8. Alignment: Feature alignment, marker point alignment</p> <p>2.9. Output format: STL, PLY, OBJ</p> <p>2.10. Texture scan: Yes</p> <p>2.11. Scanner weight: 225g or lighter</p> <p>2.12. Dimensions: 154.6×38.2×25.6</p> <p>2.13. Printable data output: Able to export 3D model directly to 3D printing</p> <p>2.14. Required PC/Phone configurations: Windows 8/10, 64-bit / Android 6.0 or above</p> <p>2.15. Supports both high-precision and texture scanning modes</p> <p>2.16. Includes scan software with multiple scanning modes</p> <p>2.17. Power and data interface: USB</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: 30 days upon issuance of NTP</p>	1	unit	35000.00	35,000.00
26	<p><b>Window-type Airconditioner</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) units of window-type airconditioner</p> <p>1.2. Said unit shall be used as office equipment</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and service charges</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment</p>	2	unit	38000.00	76,000.00

- 2.1. Cooling capacity (HP): 2.5 HP
- 2.2. EER (kJ/hW): 9.6
- 2.3. Refrigerant: R32
- 2.4. Unit Dimension (WHD; mm): 660x428x800
- 2.5. Power Input (W): 2660
- 2.6. Features:
  - 2.6.1. Eco-Friendly (RoHS Compliant, No Bio-Hazards)
  - 2.6.2. Manual
  - 2.6.3. Automatic Condensate Removal
  - 2.6.4. 4-Way Air Deflection System
  - 2.6.5. Slide Out Chassis
  - 2.6.6. Removable, Washable Intake Grille
  - 2.6.7. Easy to Clean Air Filter
  - 2.6.8. Two (2) Fan Speed
  - 2.6.9. Ventilation Control
- 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: 30 days upon issuance of NTP

**TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):**

**Php 233,905.00**

**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.