



**ASTI-FM 03-10**  
**REV 5/ 30 APR 2024**

**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>	Jun-14-2024, 2:00 PM		
<b>RFQ No.:</b>	24-06-4861	<b>Date:</b>	June-10-2024
<b>PR No.:</b>	GAA-24-05-19302	<b>Date:</b>	May-29-2024

*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>Storage - Multi Drawer Cabinet</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF TWO (2) PCS OF MULTI DRAWER CABINET to be used to store the components being used in the research and development under the STRIIDER project.</p> <p>1.2. The Approved Budget for the Contract (ABC) includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. 60 drawers</p> <p>2.2. Material: Polypropylene (PP)</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30)</p>	2	pc	2200.00	4,400.00

	<p>calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
2	<p><b>Laboratory Tool - High-speed 3D Printer Kit</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) KIT OF HIGH-SPEED 3D PRINTER KIT to be used to print prototype 3D models needed under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Printing technology: FDM</p> <p>2.2. Build volume: 220 x 220 x 250 mm</p> <p>2.3. Printing speed: ≤600 mm/s</p> <p>2.4. Acceleration: ≤20,000 mm/s<sup>2</sup></p> <p>2.5. Printing accuracy: 100 ±0.1 mm</p> <p>2.6. Layer height: 0.1 – 0.35 mm</p> <p>2.7. Extruder: Dual-gear direct drive extruder</p> <p>2.8. Filament diameter: 1.75 mm</p> <p>2.9. Nozzle:</p> <p>2.9.1. Diameter: 0.4 mm</p> <p>2.9.2. Temperature: ≤300°C</p> <p>2.10. Heatbed temperature: ≤100°C</p> <p>2.11. Build plate: PEI flexible</p> <p>2.12. Leveling mode: Hands-free auto leveling</p> <p>2.13. Display screen: 4/3" color touch screen</p> <p>2.14. Voltage: 100 – 120 V, 200 – 240 V, 50/60 Hz</p> <p>2.15. Power: 350 V</p> <p>2.16. Supported filament: ABS, PLA, PETG, PET, TPU, PA, ABS, ASA, PC, PLA-CF, PET-CF</p> <p>2.17. Printable file format: G-code</p> <p>2.18. File formats for slicing: STL, OBJ, 3MF</p> <p>2.19. Silent mode: ≤45 dB</p> <p>2.20. Equipped with built-in AI camera that watches over and alerts when an error occurs</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	1	kit	37000.00	37,000.00

3	<p><b>Workshop Consumable - 3D Printer Nozzle</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) SET OF 3D PRINTER NOZZLE to be used to print prototype 3D models needed under the STRIIDER project and must be compatible with existing 3D printer Creality CR-10 Smart Pro in the ESG unit.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Premium hardened steel</p> <p>2.2. High wear resistance</p> <p>2.3. Smooth inner wall</p> <p>2.4. Smooth feeding</p> <p>2.5. Wide compatibility</p> <p>2.6. Mohs hardness: 7.8</p> <p>2.7. High temperature resistance: 450°C</p> <p>2.8. Thermal conductivity: 22 W/m.k</p> <p>2.9. Inner wall roughness: Ra 0.4</p> <p>2.10. Compatible consumables: PLA, ABS, PETG, TPE, TPU, PC</p> <p>2.11. Comes in sizes, 0.25 mm, 0.4 mm, 0.6 mm, 0.8 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	1	set	1500.00	1,500.00
4	<p><b>Workshop Consumable - Adhesive Polarizing Film/Sheet</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) SET OF ADHESIVE POLARIZING FILM/SHEET to be used in the initial research and development under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Material: Plastic</p> <p>2.2. Coating: Multi-coating</p> <p>2.3. Waterproof</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from</p>	1	set	2800.00	2,800.00

	<p>the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
5	<p><b>Laboratory Tool - PoE Injector Switch</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) PC OF PoE INJECTOR SWITCH to be used as a hub to connect various modules through ethernet to STRIIDER.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Voltage:</p> <p>2.1.1. Output: 48 VDC @ 0.32 A</p> <p>2.1.2. Rated: 100 – 240 VAC @ 50/60 Hz</p> <p>2.2. Current:</p> <p>2.2.1. Input (max): 500 mA</p> <p>2.2.2. Inrush: &lt;100 A peak @ 25 °C</p> <p>2.2.3. Peak pulse: 36 A (10/1000 µS) data</p> <p>2.3. Efficiency: 84.25+ %</p> <p>2.4. Output ripple: 200 mV p-p</p> <p>2.5. Switching frequency: 65 kHz</p> <p>2.6. Regulation:</p> <p>2.6.1. Line: ≤ 3%</p> <p>2.6.2. Load: ≤ 5%</p> <p>2.7. 2-pair powering: Pins 4,5(+) and 7,8(-)</p> <p>2.8. AC connector: IEC-320 C6</p> <p>2.9. Data in / PoE: RJ45 shielded socket</p> <p>2.10. Protection:</p> <p>2.10.1. Surge: Difference and common mode</p> <p>2.10.2. Clamping: 11 V Data, 60 V Power</p> <p>2.11. Max. surge discharge: 1500 A (8/20 µS) power</p> <p>2.12. Shunt capacitance: &lt;5 pF data</p> <p>2.13. Response time: &lt;1 ns</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30)</p>	1	pc	1200.00	1,200.00

	<p>calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
6	<p><b>Connector - Headers 1.25mm Pitch (5Pin)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THIRTY (30) PCS OF HEADERS to be used in the initial research and development under the STRIIDER project.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Five (5) pins</p> <p>2.2. Pitch: 1.25 mm</p> <p>2.3. One (1) Row</p> <p>2.4. Style:</p> <p>2.4.1. Mounting: Through hole</p> <p>2.4.2. Termination: Crimp</p> <p>2.5. Angle: Straight</p> <p>2.6. Contact:</p> <p>2.6.1. Gender: Pin (Male)</p> <p>2.6.2. Plating: Tin</p> <p>2.7. Current: 1 A</p> <p>2.8. Voltage: 150 V</p> <p>2.9. Housing:</p> <p>2.9.1. Color: Beige</p> <p>2.9.2. Gender: Male</p> <p>2.9.3. Material: Polyamide (PA)</p> <p>2.10. Insulation materials: 500 MΩ</p> <p>2.11. Flammability rating: UL 94 V-0</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	30	pc	36.00	1,080.00
7	<p><b>Embedded Controller - Brushless Servo Controller</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI seeks qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) PC OF BRUSHLESS SERVO CONTROLLER to be used to</p>	1	pc	8000.00	8,000.00

	<p>actuate the motors of the STRIIDER by amplifying the signals precisely.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Equipped with 170 MHz 32-bit microprocessor</p> <p>2.2. 3-phase brushless FOC based control</p> <p>2.3. Voltage input: 10 – 51 V (&lt;=12 S)</p> <p>2.4. Phase current:</p> <p>2.4.1. Peak: 20 A</p> <p>2.4.2. Continuous: 5 A / 14 A ( with or without thermal management)</p> <p>2.5. Peak electrical power: 100 W</p> <p>2.6. Control rate: 15 – 30 kHz</p> <p>2.7. PWM switching rate: 15 – 60 kHz</p> <p>2.8. Max electrical frequency: 3 kHz</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
8	<p><b>Connector - Slip Ring (IP65)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI seeks qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF SLIP RING (IP65) to be used to allow the transmission of electrical signals and power to the rotor enabling continuous rotation.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Sealed/waterproof slip ring</p> <p>2.2. IP rating: IP65</p> <p>2.3. No. of rings (2A/ring): Six (6)</p> <p>2.4. Rated voltage: 0 ~ 240 VAC / VDC</p> <p>2.5. Rated current: 2A/ring or 10A/ring or 20A/ring</p> <p>2.6. Working speed: 0 – 250 rpm</p> <p>2.7. Dielectric strength: 500 VAC @ 50 Hz, 60 s</p> <p>2.8. Insulation resistance: 500 MΩ / 500 VDC</p> <p>2.9. Electric noise: &lt; 0.01 Ω</p> <p>2.10. Diameter (OD): 22 mm</p> <p>2.11. Material:</p>	5	pc	4000.00	20,000.00

	<p>2.11.1. Housing: Aluminum alloy 2.11.2. Contact: Gold to gold (alloy) 2.12. With multi-point brush contact material 2.13. With anti-corrosion stainless steel housing for better protection</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP. 4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user. 4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
9	<p><b>Connector - Slip Ring (IP51)</b> 1. GENERAL OVERVIEW 1.1. DOST-ASTI seeks qualified and competent bidders for the SUPPLY AND DELIVERY OF TWO (2) PCS OF SLIP RING (IP51) to be used to allow the transmission of electrical signals and power to the rotor enabling continuous rotation. 1.1.1. Will be part of the prototype under the STRIIDER project. 1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Capsule slip ring 2.2. IP rating: IP51 2.3. No. of rings (2A/ring): Six (6) 2.4. Rated voltage: 0 ~ 240 VAC / VDC 2.5. Rated current: 2A/ring or 10A/ring or 20A/ring 2.6. Maximum speed: 0 - 250 rpm 2.7. Dielectric strength: 500 VAC @ 50 Hz, 60 s 2.8. Insulation resistance: 500 MΩ / 500 VDC 2.9. Electric noise: &lt; 0.01 Ω 2.10. Diameter (OD): 22 mm 2.11. Material: 2.11.1. Housing: Aluminum alloy 2.11.2. Contact: Gold to gold 2.12. Transfer electrical power and signal in one unit</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30)</p>	2	pc	1500.00	3,000.00

	<p>calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
10	<p><b>Propeller (Underwater)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI seeks qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) PAIRS OF UNDERWATER PROPELLERS to be used to make an ideal propulsion system for small, unmanned surface vessels (USVs) under the STRIIDER project.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. One (1) weedless propeller clockwise (CC) and one (1) weedless propeller counterclockwise (CCW)</p> <p>2.2. Blades: 2</p> <p>2.3. Material: 30% Glass-filled polycarbonate</p> <p>2.4. Propeller diameter: 112 mm</p> <p>3. PACKAGE INCLUSION</p> <p>3.1. One (1) weedless propeller (CW)</p> <p>3.2. One (1) weedless propeller (CCW)</p> <p>3.3. Four (4) M3x8 Socket head stainless steel screws</p> <p>4. WARRANTY</p> <p>4.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>4.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.3. Any replacement service must be successfully performed within fifteen (15) calendar 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 NTP.</p> <p>5.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>5.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	3	pair	2500.00	7,500.00
<b>TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):</b>					<b>Php 86,480.00</b>



## 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.