



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

DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Dec-02-2024, 2:00 PM		
RFQ No.:	24-11-5109	Date:	November-28-2024
PR No.:	GAA-24-11-20343	Date:	November-25-2024

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>Accessory - Laptop Stand</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF EIGHT (8) PCS OF LAPTOP STAND, to be used to perform daily work-related tasks and activities 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. Material:</p> <p>2.1.1. Body: Aluminum Alloy</p> <p>2.1.2. Anti-slip: Multiple Silicone Pads</p> <p>2.2. Fan parameters:</p> <p>2.2.1. Cooling Method: Dual-core silent motor fan cooling</p> <p>2.2.2. Rated Voltage: 5 v</p> <p>2.2.3. Rated Current: 0.15 A</p> <p>2.2.4. Rater Power: 0.6 W</p> <p>2.2.5. Rated Speed: 2700 rpm ± 10%</p> <p>2.2.6. Air Volume = 2.0 CFM</p> <p>2.3. Power supply mode: USB Type C Interface</p> <p>2.4. With anti-slip wire protection</p>	8	pc	800.00	6,400.00

	<p>2.5. Compatible with 10" – 17" laptops</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of Fdelivery 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 forty-five (45) days calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
2	<p>Hand Tool - Electric Screwdriver Precision Tool</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) SETS OF ELECTRIC SCREWDRIVER PRECISION TOOL, to be used to perform research activities 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: Aluminum Alloy</p> <p>2.2. Maximum Torque:</p> <p>2.2.1. I Gear: 0.05 N.m</p> <p>2.2.2. II Gear: 0.2 N.m</p> <p>2.2.3. Manual: 3 N.m</p> <p>2.3. No Load Speed: 200 r/min</p> <p>2.4. Charging:</p> <p>2.4.1. Specification: 5 V / 0.14 V</p> <p>2.4.2. Time: 160 – 200 minutes</p> <p>2.5. Rated Voltage: 3.7 V</p> <p>2.6. Li-on Battery: 350 mAh</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 forty-five (45) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be given 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>	3	set	3000.00	9,000.00
3	<p>Technical Book - Problem Solving and Program</p>	1	pc	12000.00	12,000.00

	<p>Design in C</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 TECHNICAL BOOK: PROBLEM SOLVING AND PROGRAM DESIGN IN C, to be used to perform research activities 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. Authors: Hanly, Jeri and Koffman, Elliot</p> <p>2.2. ISBN:</p> <p>2.2.1. ISBN-10: 1292098813</p> <p>2.2.2. ISBN-13: 978-1292098814</p> <p>2.3. Language: English</p> <p>2.4. Must be brand new and unused</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 forty-five (45) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be given 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>				
4	<p>Workshop Consumable - Carbon Fiber Tube (25mm)</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF CARBON FIBER TUBE to be used in the initial research stage of the STRIIDER.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Material: 100% Carbon fiber</p> <p>2.2. Size:</p> <p>2.2.1. Outer: 25 mm</p> <p>2.2.2. Inner: 22 – 23 mm</p> <p>2.2.3. Length: 1000 mm</p> <p>2.3. Finish: 3k Twill matte</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon</p>	5	pc	2250.00	11,250.00

	<p>receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
5	<p>Workshop Consumable - Premix Resin</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF EIGHT (8) LITERS OF PREMIX RESIN to be used for the development of the STRIIDER.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Used for wood, capiz, and other lamination with cellophane, lumirror or mylar films</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	8	Liter	1500.00	12,000.00
6	<p>Rugged Tablet (Android)</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) UNIT OF RUGGED TABLET (ANDROID) to be used for the development of the STRIIDER.</p> <p>1.2. Will be part of the prototype under the STRIIDER project.</p> <p>1.3. The ABC all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Processor: 2.4 GHz / 1.8 GHz, Octa-core</p> <p>2.2. Design:</p> <p>2.2.1. Main Display:</p> <p>2.2.1.1. Resolution: 1920 x 1200</p> <p>2.2.1.2. Size: 10.1”</p> <p>2.2.2. Brightness: 550 nit</p>	1	unit	75000.00	75,000.00

	<p>2.3. Camera:</p> <p>2.3.1. Resolution:</p> <p>2.3.1.1. Front: 8 MP</p> <p>2.3.1.2. Rear: 13 MP</p> <p>2.4. Battery: 7,600 mAh</p> <p>2.5. Memory:</p> <p>2.5.1. Internal Storage:</p> <p>2.5.1.1. RAM: 6 GB</p> <p>2.5.1.2. Storage: 128 GB</p> <p>2.5.2. External Storage: 1 TB</p> <p>2.6. Connectivity:</p> <p>2.6.1. Wi-Fi: 5G, Wi-Fi 6 and Direct supported</p> <p>2.6.2. USB: Type C USB 3.2 / Fast Charging</p> <p>2.6.3. Bluetooth: v5.2 BLE</p> <p>2.6.4. Earjack: 3.5 mm stereo</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
7	<p>Cable Assembly - JST SH Female Connector</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 JST SH FEMALE CONNECTOR which is compatible to the existing development board needed for the STRIIDER.</p> <p>1.2. Will be part of the prototype under the STRIIDER project.</p> <p>1.3. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Ten (10) pcs per set</p> <p>2.2. Female connector</p> <p>2.3. 10-pin</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p>	1	set	450.00	450.00

	<p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
8	<p>Laboratory Tool - Programmable Power Supply (150W)</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) UNIT OF PROGRAMMABLE POWER SUPPLY (150W) to be used for the development of the STRIIDER.</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. DC Output (0°C to 40°C):</p> <p>2.1.1. Voltage/Current Rating: 0 to 50 V / 0 to 3 A</p> <p>2.1.2. OVP /OCP: 0.01 to 55 V / 0.01 to 3.3 A</p> <p>2.2. Load Regulation, ±(% of Output + Offset):</p> <p>2.2.1. Voltage: < 0.01% + 2 mV</p> <p>2.2.2. Current: < 0.01% + 2 mA</p> <p>2.3. Line Regulation, ±(% of Output + Offset):</p> <p>2.3.1. Voltage: < 0.01% + 2 mV</p> <p>2.3.2. Current: < 0.01% + 2 mA</p> <p>2.4. Ripple and Noise (20 Hz to 20 MHz):</p> <p>2.4.1. Normal Mode:</p> <p>2.4.1.1. Voltage: < 500 µVrms / 4 mVpp</p> <p>2.4.1.2. Current: < 2 mArms</p> <p>2.5. Annual Accuracy (25°C ± 5°C), ±(% of Output + Offset):</p> <p>2.5.1. Programming:</p> <p>2.5.1.1. Voltage: 0.05% + 20 mV</p> <p>2.5.1.2. Current: 0.2% + 10 mA</p> <p>2.5.2. Readback:</p> <p>2.5.2.1. Voltage: 0.05% + 20 mV</p> <p>2.5.2.2. Current: 0.2% + 20 mA</p> <p>2.6. Resolution:</p> <p>2.6.1. Programming:</p> <p>2.6.1.1. Voltage:</p> <p>2.6.1.1.1. Standard: 10 mV</p> <p>2.6.1.1.2. High Resolution Option Installed: 1 mV</p> <p>2.6.1.2. Current:</p> <p>2.6.1.2.1. Standard: 10 mA</p> <p>2.6.1.2.2. High Resolution Option Installed: 1 mA</p> <p>2.6.2. Readback:</p> <p>2.6.2.1. Voltage:</p> <p>2.6.2.1.1. Standard: 10 mV</p> <p>2.6.2.1.2. High Resolution Option Installed: 1 mV</p> <p>2.6.2.2. Current:</p> <p>2.6.2.2.1. Standard: 10 mA</p> <p>2.6.2.2.2. High Resolution Option Installed: 1 mA</p> <p>2.6.3. Display:</p> <p>2.6.3.1. Voltage:</p>	1	unit	25000.00	25,000.00

- 2.6.3.1.1. Standard: 10 mV
- 2.6.3.1.2. High Resolution Option Installed: 1 mV
- 2.6.3.2. Current:
 - 2.6.3.2.1. Standard: 10 mA
 - 2.6.3.2.2. High Resolution Option Installed: 1 mA
- 2.7. Command Processing Time: < 100 ms
- 2.8. Voltage Programming Speed (within 1% of the total variation range)
 - 2.8.1. Up:
 - 2.8.1.1. Full Load: 150 ms
 - 2.8.1.2. No Load: 100 ms
 - 2.8.2. Down:
 - 2.8.2.1. Full Load: 30 ms
 - 2.8.2.2. No Load: 450 ms
- 2.9. Temperature Coefficient, \pm (% of Output + Offset)
 - 2.9.1. Voltage: 0.01% + 2 mV
 - 2.9.2. Current: 0.02% + 3 mA
- 2.10. Stability, \pm (% of Output + Offset)
 - 2.10.1. Voltage: 0.02% + 2 mV
 - 2.10.2. Current: 0.1% + 3 mA
- 2.11. Power:
 - 2.11.1. AC Input Power (50 Hz to 60 Hz): 100 VAC \pm 10%, 120 VAC \pm 10%, 220 VAC \pm 10%, and 240 VAC \pm 10%, (max: 253 VAC)
 - 2.11.2. Maximum Input Power: 400 VA
- 2.12. Interface: One (1) RS 232

3. WARRANTY

- 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components.
- 3.2. Warranty service shall commence from the date of end-user acceptance.
- 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.

4. DELIVERY AND PAYMENT TERMS

- 4.1. The goods must be delivered within forty-five (45) calendar days upon issuance of Notice to Proceed.
- 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 item/s not delivered under this contract.

9	<p>Laboratory Tool - Programmable Electronic Load (200W)</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) UNIT OF PROGRAMMABLE ELECTRONIC LOAD (200W) to be used for the development of the STRIIDER.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. DC Input:</p> <ul style="list-style-type: none"> 2.1.1. Voltage: 0 ~ 150 V 2.1.2. Current: 0 ~ 40 A 	1	unit	49500.00	49,500.00
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- 2.1.3. Maximum Power: 200 W
- 2.1.4. Minimum Operating Voltage (DC): 40 A @1 V
- 2.2. CC Mode:
 - 2.2.1. Range: 0 ~ 40 A
 - 2.2.2. Programmable Resolution: 1 mA
 - 2.2.3. Programmable Accuracy: $\pm(0.05\% + 0.05\%FS)$
 - 2.2.4. Programmable Temperature Coefficient: 100 ppm/°C
- 2.3. CV Mode:
 - 2.3.1. Range: 0 ~ 150 V
 - 2.3.2. Programmable Resolution: 5 mV
 - 2.3.3. Programmable Accuracy: $\pm(0.05\% + 0.025\%FS)$
 - 2.3.4. Programmable Temperature Coefficient: 50 ppm/°C
- 2.4. CR Mode:
 - 2.4.1. Range: 2 ~ 15k Ω (0.0000667 ~ 0.5 S)
 - 2.4.2. Programmable Resolution: 2 mA / Vsense
 - 2.4.3. Programmable Accuracy: $V_{in}/R_{set}*(0.2\% + 0.2\%IFS)$
- 2.5. CP Mode:
 - 2.5.1. Range: 0 ~ 200 W
 - 2.5.2. Resolution: 100 mW
- 2.6. Con Mode:
 - 2.6.1. Frequency Range: 0.001 Hz ~ 30 kHz
 - 2.6.2. Frequency Resolution: 0.8 %
 - 2.6.3. Frequency Accuracy: $\pm 0.5\%$
 - 2.6.4. Duty Cycle Range: 5% ~ 95%, 1%
- 2.7. Current Slew Rate:
 - 2.7.1. Range:
 - 2.7.1.1. 0.001 ~ 0.3 A/ μ s
 - 2.7.1.2. 0.001 ~ 3 A/ μ s (>5 V)
 - 2.7.2. Resolution: 0.001 A/ μ s
 - 2.7.3. Accuracy: 5% +10 μ s
- 2.8. Readback:
 - 2.8.1. Current:
 - 2.8.1.1. Range: 0 ~ 40 A
 - 2.8.1.2. Resolution: 0.1 mA
 - 2.8.1.3. Accuracy: $\pm(0.05\% + 0.05\%FS)$
 - 2.8.1.4. Temperature Coefficient: 50 ppm/°C
 - 2.8.2. Voltage:
 - 2.8.2.1. Range: 0 ~ 150 V
 - 2.8.2.2. Resolution: 0.1 mV
 - 2.8.2.3. Accuracy: $\pm(0.05\% + 0.02\%FS)$
 - 2.8.2.4. Temperature Coefficient: 20 ppm/°C
 - 2.8.3. Resistance:
 - 2.8.3.1. Range: 0.08 ~ 15k Ω (0.0667 ~ 0.5 S)
 - 2.8.3.2. Resolution: 2 mA / Vsense
 - 2.8.4. Power:
 - 2.8.4.1. Range: 0 ~ 200 W
 - 2.8.4.2. Resolution: 100 mW
- 2.9. Stability:
 - 2.9.1. Current: $\pm(0.01\% \pm 10\text{ mA})$
 - 2.9.2. Voltage: $\pm(0.01\% \pm 10\text{ mV})$
- 2.10. Input Resistance: 350 k Ω
- 2.11. Power:
 - 2.11.1. AC Input (50 ~ 60 Hz): 115 VAC $\pm 10\%$, 230 VAC $\pm 10\%$ (max: 250 VAC)
- 2.12. Interface:
 - 2.12.1. At least one (1) USB port
 - 2.12.2. One (1) RS 232
 - 2.12.3. Optional:

	<p>2.12.3.1. LAN 2.12.3.2. Digital I/O 2.12.3.3. GPIB</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
10	<p>Connector - Antenna Thread Adapter</p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF ANTENNA THREAD ADAPTER to be used as an adapter to change the thread of camera tripod to accommodate the thread of GNSS antenna. 1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Frequency: 1.2 - 1.7 GHz 2.2. Isolation: 20 dB 2.3. Power Loss (maximum): 3.5 dB 2.4. GNSS SNR Loss (maximum): 0.5 dB</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	5	pc	600.00	3,000.00
11	<p>Cable Assembly - SMA Male to SMA Male</p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent</p>	5	pc	200.00	1,000.00

	<p>bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF SMA MALE TO MALE to connect various modules into an antenna.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Connector: SMA on both ends</p> <p>2.2. Cable Type: RG58 pigtail cable</p> <p>2.3. Impedance: 50 Ω</p> <p>2.4. Material: Copper and plastic</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
12	<p>Accessory - Extension Cord</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF EXTENSION CORDS to be used in performing laboratory experiments.</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:</p> <p>2.1.1. At least five (5) sockets</p> <p>2.1.2. At least three (3) USB ports</p> <p>2.2. With surge and overload protection</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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</p>	5	pc	1750.00	8,750.00

	<p>the End-user.</p> <p>4.3. No payment shall be made for item/s not delivered under this contract.</p>				
13	<p>Storage - Multi Drawer Cabinet</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) PCS OF MULTI DRAWER CABINET to store various electronics components, mechanical fasteners and modules under the STRIIIDER 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 60 small drawers</p> <p>2.2. Material: Durable plastic</p> <p>2.3. Wall hangable / stackable</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	3	pc	2500.00	7,500.00
14	<p>Storage - Multi Drawer Cabinet</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 store various electronics components, mechanical fasteners and modules under the STRIIIDER 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 39 drawers</p> <p>2.2. Material: Durable plastic</p> <p>2.3. Wall hangable / stackable</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon</p>	2	pc	2500.00	5,000.00

	<p>receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
15	<p>Workshop Consumable - Rubber Floor Matting</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FOUR (4) PCS OF RUBBER FLOOR MATTING to be used 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. Dimension: approximately 4 x 8 feet</p> <p>2.2. Thickness: approximately 7 mm</p> <p>2.3. Anti slip</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	4	pc	1600.00	6,400.00
16	<p>Hand Tool - Air Blower</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 AIR BLOWER to be used 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. Mini powerful air blower turbo powerfan</p> <p>2.2. With 52 m/s high speed turbo jet fan blower</p> <p>2.3. Four (4) speed control:</p> <p>2.3.1. One (1) hour use time (1- Gear 20000RPM)</p> <p>2.3.2. 45 minutes use time (2- Gear 30000RPM)</p> <p>2.3.3. 20 minutes use time (3- Gear 40000RPM)</p> <p>2.3.4. 10 minutes use time (Maximum mode)</p>	1	pc	2500.00	2,500.00

	<p>130000RPM) 2.4. Battery capacity: 2500 mAh 2.5. Power In/Out: 5 V / 2 A</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
17	<p>Hand Tool - Camera Tripod 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF TWO (2) PCS OF CAMERA TRIPOD to be used to hold the base GNSS receiver and GNSS antenna. 1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Double bearing load: 6.6 lb 2.2. Equipped 360° panoramic shooting 2.3. Material: Aluminum alloy</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	2	pc	1000.00	2,000.00
18	<p>Development Kit - GNSS Receiver Evaluation Kit 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) PC OF GNSS RECEIVER EVALUATION KIT to be</p>	1	pc	65000.00	65,000.00

	<p>used as the GNSS receiver of the STRIIDER.</p> <p>1.2. Will be part of the prototype under the STRIIDER project.</p> <p>1.3. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. GNSS Technology:</p> <p>2.1.1. GPS: L1C/A, L1PY, L2C, L2P, L5</p> <p>2.1.2. GLONASS: L1CA, L2CA, L2P, L3 CDMA</p> <p>2.1.3. Beidou: B1I, B1C, B2a, B2I, B2b, B3I</p> <p>2.1.4. Galileo: E1, E5a, E5b, E5 AltBoc, E6</p> <p>2.1.5. QZSS: L1C/A, L1C/B, L2C, L5</p> <p>2.1.6. NavIC: L5</p> <p>2.1.7. SBAS: EGNOS, WAAS, GAGAN, MSAS</p> <p>2.1.8. L-band</p> <p>2.1.9. Five (5) constellation RTK (base and rover)</p> <p>2.2. Interfaces:</p> <p>2.2.1. Event Markers: Two (2)</p> <p>2.2.2. Initialization Time: Seven (7) seconds</p> <p>2.3. Other Positioning Modes Accuracy:</p> <p>2.3.1. DGNSS:</p> <p>2.3.1.1. Horizontal: 0.4 m</p> <p>2.3.1.2. Vertical: 0.7 m</p> <p>2.4. Time Precision:</p> <p>2.4.1. xPPS out8: Five (5)</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
19	<p>Antenna - GNSS Triple-band Surveying Antenna</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 GNSS TRIPLE-BAND SURVEYING ANTENNA to be used as the GNSS antenna of the STRIIDER.</p> <p>1.2. Will be part of the prototype under the STRIIDER project.</p> <p>1.3. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Gain: ≥ 5.5 dBi</p> <p>2.2. LNA Gain: 38 dB</p> <p>2.3. Reception Frequencies:</p>	1	pc	13000.00	13,000.00

	<p>2.3.1. L1: 1550 to 1610 MHz 2.3.2. L2: 1150 to 1278 MHz 2.4. GNSS Technology: 2.4.1. GPS – L1 / L2 / L5 2.4.2. GLONASS – G1 / G2 2.4.3. BeiDuo – B1 / B2 / B3 2.4.4. Galileo – E1 / E5a / E5b 2.5. 50 Ohm Antenna Impedance 2.6. Protection: Waterproof IP67 2.7. Connector: Female TNC</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>				
20	<p>Embedded Module - GNSS Antenna Splitter</p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) PC OF GNSS ANTENNA SPLITTER to be used to split the signal from GNSS antenna for comparison of two different GNSS receivers. 1.2. Will be part of the prototype under the STRIIDER project. 1.3. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Frequency: 1.2 – 1.7 GHz 2.2. Isolation: 20 dB 2.3. Power Loss (maximum): 3.5 dB 2.4. GNSS SNR Loss (maximum): 0.5 dB</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within forty-five (45) calendar days upon issuance of NTP.</p>	1	pc	12000.00	12,000.00

	<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 item/s not delivered under this contract.</p>				
21	<p>Development Board - Embedded Controller</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 EMBEDDED CONTROLLER to be used in the research and development of STRIIDER.</p> <p>1.2. Will be part of the prototype under the STRIIDER project.</p> <p>1.3. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Equipped with Raspberry Pi baseboard:</p> <p>2.1.1. Wireless</p> <p>2.1.2. Storage:</p> <p>2.1.2.1. RAM: 4 GB or higher</p> <p>2.1.2.2. eMMC: 16GB or higher</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 the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within forty-five (45) 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 item/s not delivered under this contract.</p>	1	set	45000.00	45,000.00

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 371,750.00

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.