



DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

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| Kind of Procurement Activity: | Negotiated Procurement:Small-value Procurement | | |
| Deadline of Submission of Bids: | Jul-30-2024, 2:00 PM | | |
| RFQ No.: | 24-07-4918 | Date: | July-26-2024 |
| PR No.: | GAA-24-07-19605 | Date: | July-09-2024 |

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 | 4G LTE HAT for Raspberry Pi 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Ten (10) Units of 4G LTE HAT compatible with Raspberry Pi Zero which will be part of prototype devices. 1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges. 2. TECHNICAL SPECIFICATIONS 2.1. Frequency Band 2.1.1. LTE Cat-4: LTE-FDD: LTE-TDD: B34/B38/B39/B40/B41 2.1.2. 3G: UMTS/HSDPA/HSPA+: B1/B2/B4/B5/B6/B8/B19 2.1.3. 2G: GSM/GPRS/EDGE: 850/900/1800/1900 MHz 2.2. GNSS | 10 | unit | 8000.00 | 80,000.00 |

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| | <p>2.2.1. Satellite Systems: GPS/Beidou/GLONASS/GALILEO/QZSS</p> <p>2.2.2. Receiver Type: 16-channel & C/A Code</p> <p>2.2.3. Sensitivity</p> <p>2.2.3.1. -159 dBm (GPS) / -158 dBm (GLONASS) / TBD (BeiDou)</p> <p>2.2.3.2. Cold Starts: -148 dBm</p> <p>2.2.4. Time-To-First-Fix (open air)</p> <p>2.2.4.1. Cold starts: <35s</p> <p>2.2.4.2. Hot starts: <1s</p> <p>2.3. SMS and Audio</p> <p>2.3.1. SMS Supported Types: MT, MO, CB, Text, PDU</p> <p>2.3.2. Audio Feature: Supports echo cancellation & supports noise reduction</p> <p>2.4. Other Technical Requirements</p> <p>2.4.1. Power Supply: 5V</p> <p>2.4.2. Operating Temperature: -30°C ~ 80°C</p> <p>2.4.3. Storage Temperature: -45°C ~ 90°C</p> <p>2.4.4. Dimensions: 65.00 × 32.00 mm</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The 4G LTE HAT compatible with Raspberry Pi Zero must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> | | | | |
| 2 | <p>Lithium Iron Phosphate Battery (30Ah)</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) Units of Lithium Iron Phosphate (LiFePo) Battery which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Capacity: At least 30Ah (384Wh)</p> <p>2.2. Max Discharge Rate: 20A</p> <p>2.3. Max Charging Rate: 20A</p> <p>2.4. Charging Voltage: at least 14.4v</p> <p>2.5. Disconnect Voltage: at least 10v</p> <p>2.6. Approx. Size: W:130mm L:175mm H: 70mm</p> | 4 | unit | 5800.00 | 23,200.00 |

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| | <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The LiFePo Batteries must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</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. No payment shall be made for items not delivered under this contract.</p> | | | | |
| 3 | <p>Charge Controller (10A)</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) Units of Charge Controller which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Rated Charge and Discharge Current: 10A</p> <p>2.2. Battery Voltage Range: 8 ~ 32V</p> <p>2.3. MPP Voltage Range: (Battery voltage +2V) ~ 36V</p> <p>2.4. Working Environment Temperature: -25°C ~ +45°C (100% input and output)</p> <p>2.5. Storage Temperature Range: -20°C ~ +70°C</p> <p>2.6. Enclosure: IP30</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The Charge Controllers must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</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</p> | 4 | unit | 3000.00 | 12,000.00 |

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| | is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract. | | | | |
| 4 | <p>UHF Female S0239 to SMA Male Connector</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) Units of UHF Female S0239 to SMA Male Connector which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Adapter: UHF Female S0239</p> <p>2.2. Connector: SMA Male</p> <p>2.3. Cable: RG58</p> <p>2.4. Length: One (1) meter</p> <p>2.5. Impedance: 50 OHM</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The items must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</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. No payment shall be made for items not delivered under this contract.</p> | 5 | unit | 189.00 | 945.00 |
| 5 | <p>Low Cost SDR</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) Units of low cost SDR which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. One (1) MHz to Six (6) GHz operating frequency</p> <p>2.2. Half-duplex transceiver</p> <p>2.3. Up to 20 million samples per second</p> <p>2.4. 8-bit quadrature samples (8-bit I and 8-bit Q)</p> <p>2.5. Compatible with GNU Radio, SDR#, and more</p> | 3 | unit | 29250.00 | 87,750.00 |

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| | <p>2.6. Software-configurable RX and TX gain and baseband filter</p> <p>2.7. Software-controlled antenna port power (50 mA at 3.3 V)</p> <p>2.8. Open-source hardware</p> <p>2.9. SMA female antenna connector</p> <p>2.10. SMA female clock input and output for synchronization</p> <p>2.11. Hi-Speed USB 2.0</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The low cost SDRs must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</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. No payment shall be made for items not delivered under this contract.</p> | | | | |
| 6 | <p>AIS Antenna</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) Units of AIS antenna which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Frequency: VHF Marine band</p> <p>2.2. Bandwidth: 3 MHz</p> <p>2.3. SWR: 1:5:1@156.8 MHz</p> <p>2.4. Impedence: (Ohms): 50</p> <p>2.5. Gain: 6 dB</p> <p>2.6. Max Input (watts): 50</p> <p>2.7. Termination: RG-58</p> <p>2.8. Height (feet): 8</p> <p>2.9. Polarization: Vertical</p> <p>2.10. Radiation Pattern: Omni-directional</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> | 2 | unit | 15500.00 | 31,000.00 |

3.3. The AIS antennas must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.

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 item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 234,895.00

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.*