



DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	May-06-2025, 2:00 PM		
RFQ No.:	25-04-5181	Date:	April-30-2025
PR No.:	GAA-25-03-20769	Date:	March-04-2025

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.

JEFFREY A. ABOROT
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	Meshtastic Starter Kit 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Five (5) Sets of Meshtastic Starter Kit which will be part of prototype devices. 1.2. The ABC is inclusive of government taxes and all applicable charges. 2. TECHNICAL SPECIFICATIONS 2.1. Core Module: Module must be compatible with NRF chips 2.2. Frequency: 800MHz 2.3. Meshtastic Client Role: has OLED display 2.4. Meshtastic Tracker Role: 2.4.1. Has GNSS location module 2.4.2. has acceleration module 3. WARRANTY AND AFTERSALES SUPPORT	5	set	5000.00	25,000.00

	<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 Meshtastic Starter Kit 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 sixty (60) 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>				
2	<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 Five (5) Pieces of Charge Controllers (10A) 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 (10A) 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>	5	pc	4000.00	20,000.00

	<p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60) 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>Low Noise Amplifier</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 Noise Amplifier 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. Power Connector Type: USB</p> <p>2.2. Connectivity Technology: USB, Radio Frequency</p> <p>2.3. Antenna: Radio</p> <p>2.4. Wideband (20MHz – 4GHz)</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 Noise Amplifiers 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 sixty (60) 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	unit	5000.00	15,000.00
4	<p>LoRa Transreceiver</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) Pieces of LoRa Transreceiver which will be part of prototype</p>	3	pc	7500.00	22,500.00

	<p>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. MCU: Must be compatible with NRF chips</p> <p>2.2. RAM: 2MB</p> <p>2.3. Frequency: 868MHz</p> <p>2.4. Bus Interfaces: UART, SPI, TWI, PDM, 12S, QSPI</p> <p>2.5. Wireless Connectivity: Bluetooth 5, Thread, Bluetooth Mesh, ANT, 802.15.4, Zigbee With/Without BME280 temperature pressure sensor</p> <p>2.6. SX1262 LoRa Transceiver: Long Range, Low Power Global frequency coverage 433, 868, 915Mhz</p> <p>2.7. Enclosure material: ABS</p> <p>2.8. Battery Capacity: 850mAh</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 LoRa Transreceivers 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 sixty (60) 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	<p>Software Defined Radio</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) Pieces of Software Defined Radio 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 range: 1kHz to 2GHz</p>	2	pc	25000.00	50,000.00

	<p>2.2. Can monitor up to 10MHz</p> <p>2.3. Multiplatform driver and API support including Windows, Linux, Mac, Android and Raspberry Pi 4/5</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 Software Defined Radio 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 sixty (60) 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>Software Defined Radio</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) Pieces of Software Defined Radio 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. CPU Speed: 1.5 GHz</p> <p>2.2. Connectivity Technology: USB, GPIO</p> <p>2.3. Operating System: Linux-based OS</p> <p>2.4. Wireless Compatibility: Radio Frequency</p> <p>2.5. Compatible Devices: Raspberry Pi 4/4B</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 Software Defined Radio must have at least one (1) year of warranty from the time of delivery</p>	2	pc	17500.00	35,000.00

	<p>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 sixty (60) 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>				
7	<p>SDR HAT</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) Pieces of SDR HAT 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. Two Tx/Rx SDR Channels</p> <p>2.1.1. Channel 1: 30 MHz to 6 GHz</p> <p>2.1.2. Channel 2: Sub-1-GHz</p> <p>2.2. Maximum Sampling Rate: 4 MSPS</p> <p>2.3. ADC/DAC Resolution: 13-bit</p> <p>2.4. Bus/Interface: Form Factor must be compatible with 40-pins of Raspberry Pi</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 SDR HAT 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 sixty (60) 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>	2	pc	16500.00	33,000.00

8	SD Card 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of twenty (20) pieces of SD Cards which will be used by COMPASS Project. 1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges. 2. TECHNICAL SPECIFICATIONS 2.1. Memory Card Type: microSD 2.2. Storage Capacity: 32 GB (120 mb/s) 3. WARRANTY AND AFTERSALES SUPPORT 3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI. 3.2. The end-user must be able to request technical support by phone, email, or through a website. 3.3. The SD Cards 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 sixty (60) days upon issuance of Notice to Proceed (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.	20	pc	400.00	8,000.00
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):					Php 208,500.00
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.