ASTI-FM 03-10
REV 4/ 9 MAR 2022

DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Mar-13-2023, 2:00 PM		
RFQ No.:	23-03-4287	**Date:**	March-08-2023
PR No.:	GAA-23-02-16198	**Date:**	February-21-2023

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.

Digitally signed by Bayani Benjamin R. Lara

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	**Tool - Smart Portable Soldering Iron** 1 GENERAL OVERVIEW 1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of three (3) sets of smart portable soldering iron that will be used during the PCB soldering, assemblies and rework activities. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. OS: Ralim's IronOS build 2.2. Chipset: Bouffalo BL-706 2.3. CPU: 32-bit RV32IMAFC RISC-V "SiFive E24 Core" @ 144 MHz 2.4. Display: 2.4.1. Size: 0.69 inches 2.4.2. Type: OLED White Colour Monochrome Display 2.4.3. Resolution: 96 × 16 pixels 2.5. Memory: 2.5.1. Internal flash memory: 192 kB 2.5.2. System Memory: 132 kB SRAM 2.6. Power ports:	3	set	7000.00	21,000.00

Postal Address : ASTI Bldg., U.P Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City 1101
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Email : info@asti.dost.gov.ph
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	2.6.1. USB type C: PD and QC 3.0 12.0 V – 20 V, 3A 2.6.2. Barrel jack: DC5525, 12 V – 24 V DC, 3A 2.7. Body: 2.7.1. Build: Plastic with metal clip (Handle) 2.7.2. Color: 2.7.2.1. Case: Black 2.7.2.2. Sleeve: Green 3 ACCESSORIES 3.1. One (1) pc of ST (Short Tip)-B2 Soldering Tip 3.2. One (1) pc of 1.5 m USB type-C silicon cable 3.3. One (1) set of soldering tips (Fine) 4 WARRANTY 4.1. These smart portable soldering iron must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 4.2. Any replacement service must be successfully performed within sixty (60) business days. 5 DELIVERY AND PAYMENT TERMS 5.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 5.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
2	**Development Board - Power analyzer** 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 power analyzer that will be used either as supply mode or ampere meter in conducting initial tests and documenting the power consumption of the prototype boards and other modules for arQ 2.0. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Supply voltage: 0.8 V to 5.0 V 2.2. Current specs: 2.2.1. Measurement range: 200 nA to 1 A 2.2.2. Resolution: 100 nA to 1 mA 2.3. Sampling frequency: 100 kS/s 2.4. Digital port: 8-pin 2.5. Computer interface: USB communication 3 ACCESSORIES 3.1. One (1) pc of 4-pin current measurement cable 3.2. One (1) pc of 10-pin logic port cable 4 WARRANTY 4.1. These power analyzer must have at least six (6) months of warranty from the time of delivery which	2	pc	8100.00	16,200.00

	covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 4.2. Any replacement service must be successfully performed within sixty (60) business days. 5 DELIVERY AND PAYMENT TERMS 5.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 5.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
3	**Tool - Logic Analyzer** 1 GENERAL OVERVIEW 1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) pc of logic analyzer that will be used in conducting functionality tests in prototype boards and other modules for arQ 2.0. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Power specs: 2.1.1. Input voltage: 5.0 V ± 0.25 V 2.1.2. Input current (max): 350 mA 2.2. Outputs specs: 2.2.1. Series resistance: 270 Ω 2.2.2. Maximum current (per channel): 20 mA 2.2.3. Voltage: Adjustable (1.8 V to 5 V) 2.2.4. Driver configuration: Push-pull, open-drain 2.2.5. Frequency: 50 MHz 2.3. Input specs: 2.3.1. Resistance to GND: 1 MΩ 2.3.2. Pull up/down resistor (optional): 10 kΩ 2.3.3. Voltage (continuous): ± 5 V 2.3.4. Voltage (10 ms pulse): ± 50 V 2.4. Sampling specs: 2.4.1. Period: 4s 2.4.2. Rate: 200 MHz 2.5. Connector: Mini USB female 3 ACCESSORIES 3.1. One (1) set of 5 leads hook probes 3.2. One (1) pc of 1 m. mini-USB cable (mini B to A) 4 WARRANTY 4.1. This logic analyzer must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 4.2. Any replacement service must be successfully performed within sixty (60) business days. 5 DELIVERY AND PAYMENT TERMS 5.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed	1	pc	21000.00	21,000.00

	(NTP). 5.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
4	**Accessory - J-Link Debugger** 1 GENERAL OVERVIEW 1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) pc of J-link debugger that will be used in debugging arQ 2.0. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Supported OS: 2.1.1. Microsoft windows: x86, x64, Arm64 2.1.2. Linux: x86, x64, Arm, Arm64 2.1.3. macOS: x64, Apple M1 2.2. Interfaces: 2.2.1. USB interface (J-Link BASE Classic): USB 2.0 (Hi-Speed); USB Type B 2.2.2. USB interface (J-Link BASE Compact): USB 2.0 (Hi-Speed); Micro USB 2.2.3. Target interface: JTAG / SWD 20-pin 2.3. Target interface voltage: 1.2 V to 5 V 2.4. Target supply voltage: 5 V 2.5. Target supply current (max): 300 mA 2.6. Target interface speed (max): 15 MHz 2.7. SWO sampling frequency (max): 30 MHz 2.8. Data input rise time (Trdi): Trdi <= 20 ns 2.9. Data input fall time (Tfdi): Tfdi <= 20 ns 2.10. Data output rise time (Trdo): Trdo <= 10 ns 2.11. Data output fall time (Tfdo): Tfdo <= 10 ns 2.12. Clock rise time (Trc): Trc <= 3 ns 2.13. Clock fall time (Tfc): Tfc <= 3 ns 2.14 Electromagnetic compatibility (EMC): EN 55022, EN 55024 3 WARRANTY 3.1. This J-link debugger must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days. 4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.	1	pc	49000.00	49,000.00
5	**Development kit - STM32 Nucleo-64 development board**	2	pc	3550.00	7,100.00

	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 STM32 Nucleo-64 development board that will be used in the protoyping of Command and Data Handling capability of arQ 2.0. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Equipped with 1 MB flash memory, 256 KB SRAM 2.2. Equipped with 2.4 GHz RF transceiver Bluetooth v5.2 2.3. Equipped with Dual-core 32-bit ARM Cortex-M4 and dedicated M0+ CPU for real-time radio layer 2.4. With three (3) user LEDs 2.5. With one (1) reset and three (3) user pushbuttons 2.6. With integrated PCB antenna and SMA connector footprint 2.7. Support of a wide choice of Integrated Development Environments (IDEs) including IAR Embedded Workbench®, MDK-ARM, STM32CubeIDE, and Mbed Studio 3 WARRANTY 3.1. These development boards must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days. 4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
6	**Battery - LiFePO4 Battery Pack** 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 Lithium Iron Phosphate (LiFePO4) battery pack to be used to charge LiFePO4 batteries. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Capacity: 24 Ah (307.2 Wh) 2.2. Maximum discharge rate: 20 A 2.3. Maximum charging rate: 20 A 2.4. Charging voltage: 14.4 V	2	pc	7600.00	15,200.00

	2.5. Disconnect voltage: 10 V 3 WARRANTY 3.1. These battery packs must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days. 4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
7	**Battery - LiFePO4 Battery Pack** 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 Lithium Iron Phosphate (LiFePO4) battery pack to be used to charge LiFePO4 batteries. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Capacity: 18 Ah (230.4 Wh) 2.2. Maximum discharge rate: 10 A 2.3. Maximum charging rate: 10 A 2.4. Charging voltage: 14.4 V 2.5. Disconnect voltage: 10 V 3 WARRANTY 3.1. These battery packs must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days. 4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.	2	pc	5800.00	11,600.00
8	**Antenna - GPS (Outdoor)** 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 LTE/GPS outdoor antenna that will be used for the LTE/GPS	2	pc	2200.00	4,400.00

	communication of the LTE board of arQ 2.0. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated. 2 TECHNICAL SPECIFICATIONS 2.1. Minimum frequency: 824MHz 2.2. Maximum frequency: 2.69GHz 2.3. Gain: 0.77 dBi, 0.77 dBi, 3.73 dBi 2.4. Impedance: 50 Ohms 2.5. Power Rating: 2 W 2.6. Number of Bands: 3 2.7. Mounting Style: Direct / Permanent Mount 2.8. Termination Style: Connector 2.9. Antenna Connector Type: SMA Male 2.10. Center Frequency: 824 MHz, 1710 MHz, 1575 MHz 2.11. Polarization: Linear 3 WARRANTY 3.1. These GPS antennas must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days. 4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.				
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):					**Php 145,500.00**

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. Eligibiliy 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.*