



ASTI-FM 03-10  
REV 3/13 January 2020

**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>	Nov-15-2021, 2:00 PM		
<b>RFQ No.:</b>	21-11-3650	<b>Date:</b>	November-09-2021
<b>PR No.:</b>	REIINN-21-10-12714	<b>Date:</b>	October-29-2021

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the item/s listed below. As such, suppliers, contractors, or distributors are invited to submit their quotation/s duly signed by authorized representative. Prospective bidder/s who will submit a proposal with the single/lowest calculated and responsive quotation shall be selected. Guidelines on the format and eligibility documents are listed at the box below the item/s to be procured.

Quotations may be sent via **a)** electronic mail at bac-sec@asti.dost.gov.ph, **b)** fax message, or **c)** delivering documents to the BAC Secretariat. For further inquiries, you may contact +63 2 249-8500 local 1206/1212 or +63 2 426-7423.

Thank you.

Respectfully,

**GERWIN P. GUBA**  
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p><b>634.5 MHz Low Power Cavity BAND PASS FILTER (2 dB)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of two (2) 634.5 MHz Low Power Cavity BAND PASS FILTER (2 dB).</p> <p>1.2. Said unit shall be used as for used for filtering of LTE Signals.</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment/components:</p> <p>2.1.1. Center Frequency: 634.5 MHz</p> <p>2.1.2. BW: Fc +-17.5MHz (617-652 MHz)</p> <p>2.1.3. IL in BW: 2dB max</p>	2	unit	48988.00	97,976.00

2.1.4. Return Loss in BW: 20dB min

2.1.5. Attenuation: 65dB min @ DC-602MHz

2.1.6. Attenuation: 65dB min @

663-3000MHz

2.1.7. Attenuation: 45dB min @

3000-12750MHz

2.1.8. Input Power: 5W CW max

2.1.9. Impedance: 50 Ohms

2.1.10. Operating Temp: -20 to +70 deg C

2.1.11. Connector: SMA (female) - All ports

2.1.12. Finish : Black Painting

### 3. WARRANTY AND AFTER SALES SUPPORT

3.1. All units must carry one (1) year warranty for other parts and services that covered defects in materials and workmanship.

3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.

3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.

3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.

3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.

### 4. PAYMENT AND DELIVERY TERMS

4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

4.2. The Lower Power Cavity Band Pass Filter unit must be brand new and unused.

4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.

4.4. The price of the bid must be inclusive of government tax and

	fees.				
2	<p><b>Single Board Computer w/ Integrated Keyboard</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of one (1) Single Board Computer w/ Integrated Keyboard unit.</p> <p>1.2. Said unit shall be used as for used for set-top box type 2</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment/components:</p> <p>2.1.1. Processor: Quad-Core ARM v8 64-bit SoC @ 1.8GHz</p> <p>2.1.2. RAM: 4GB LPDDR4-3200</p> <p>2.1.3. Connectivity: Dual-band (2.4GHz and 5.0GHz) IEEE 802.11 b/g/n/ac wireless LAN, Bluetooth 5.0, BLE, Gigabit Ethernet, 2 × USB 3.0 and 1 × USB 2.0 ports</p> <p>2.1.4. GPIO: Horizontal 40-pin GPIO header</p> <p>2.1.5. Video &amp; sound: 2 × micro HDMI ports (supports up to 4Kp60)</p> <p>2.1.6. Multimedia: H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES 3.0 graphics</p> <p>2.1.7. SD card support: MicroSD card slot for operating system and data storage</p> <p>2.1.8. Keyboard: compact keyboard, single board computer encased in keyboard</p> <p>2.1.9. Power: 5V DC via USB connector</p> <p>2.1.10. Operating temperature: 0°C to +50°C</p> <p>2.1.11. Dimensions: 286 mm × 122 mm × 23 mm (maximum)</p> <p>2.1.12. OS Compatibility: Must be compatible with Raspberry Pi OS</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. All units must carry one (1) year warranty for other</p>	1	set	5780.37	5,780.37

	<p>parts and services that covered defects in materials and workmanship.</p> <p>3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.</p> <p>3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.</p> <p>3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.</p> <p>3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.</p> <p>4.2. The Single Board Computer w/ Integrated Keyboard unit must be brand new and unused.</p> <p>4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.</p> <p>4.4. The price of the bid must be inclusive of government tax and fees.</p>				
3	<p><b>Weatherproof Enclosure w/ Transparent Lid</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of four (4) Weatherproof Enclosure w/ Transparent Lid.</p> <p>1.2. Said unit shall be used as an accessory for set-top box prototype 1</p>	4	pc	495.00	1,980.00

- 1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.
- 1.4. The technical specifications written herein are of minimum requirement, otherwise stated.

## 2. SPECIFICATIONS

- 2.1. The supplier must abide and meet the following specifications of the equipment/components:
- 2.1.1. Dimension: 200 x 120 x 75 mm
  - 2.1.2. IP65 rated
  - 2.1.3. Features: with Transparent Lid, rubber gasket

## 3. WARRANTY AND AFTER SALES SUPPORT

- 3.1. All units must carry one (1) year warranty for other parts and services that covered defects in materials and workmanship.
- 3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.
- 3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.
- 3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.
- 3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.

## 4. PAYMENT AND DELIVERY TERMS

- 4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.
- 4.2. The Weatherproof Enclosure w/ Transparent Lid accessory must be brand new and unused.
- 4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not

	<p>yet delivered under this Contract.</p> <p>4.4. The price of the bid must be inclusive of government tax and fees.</p>				
4	<p><b>Weatherproof Enclosure w/ Transparent Lid</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of four (4) Weatherproof Enclosure w/ Transparent Lid.</p> <p>1.2. Said unit shall be used as an accessory for set-top box prototype 2</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment/components:</p> <p>2.1.1. Dimension: 160 x 160 x 90 mm</p> <p>2.1.2. IP65 rated</p> <p>2.1.3. Features: with Transparent Lid, rubber gasket</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. All units must carry one (1) year warranty for other parts and services that covered defects in materials and workmanship.</p> <p>3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.</p> <p>3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.</p> <p>3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.</p> <p>3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of Goods and/or performance of services</p>	4	pc	550.00	2,200.00

	<p>shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.</p> <p>4.2. The Weatherproof Enclosure w/ Transparent Lid accessory must be brand new and unused.</p> <p>4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.</p> <p>4.4. The price of the bid must be inclusive of government tax and fees.</p>				
5	<p><b>Embedded Systems - LORA RF Platform Evaluation Expansion Board</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of one (1) Embedded Systems - LORA RF Platform Evaluation Expansion Board unit.</p> <p>1.2. Part of RuralCasting prototype and will be used to send data back from end-user to backend</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment/components:</p> <ul style="list-style-type: none"> <li>2.1.1. Compatible as a Raspberry Pi Hat</li> <li>2.1.2. Operating Voltage: 5V</li> <li>2.1.3. Power Interface</li> <li>2.1.4. 40 Pin Header or USB</li> <li>2.1.5. 40-Pin Headers</li> <li>2.1.6. Compatible/Supports Raspberry Pi 4 B</li> <li>2.1.7. PCIe Header</li> <li>2.1.8. 52 Pin Mini-PCIe Header</li> </ul> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. All units must carry one (1) year warranty for other parts and services that covered defects in materials and workmanship.</p> <p>3.2. Replacement units should be provided for defective units,</p>	1	unit	2000.00	2,000.00

fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.

3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.

3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.

3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.

**4. PAYMENT AND DELIVERY TERMS**

4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

4.2. The Embedded Systems - LORA RF Platform Evaluation Expansion Board must be brand new and unused.

4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.

4.4. The price of the bid must be inclusive of government tax and fees.

6	<p><b>Embedded Systems - Single Board Computer x86-64 GB eMMC</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of one (1) Embedded Systems - Single Board Computer x86- 64 GB eMMC</p> <p>1.2. Said unit shall be used as as SBC for set-top box RuralCasting prototype.</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum</p>	1	unit	20460.00	20,460.00
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requirement, otherwise stated.

## 2. SPECIFICATIONS

2.1. The supplier must abide and meet the following specifications of the equipment/components:

2.1.1. Quad-core, 1.44 GHz - 1.92 GHz 64-bit Processor

with 2MB cache, 2W SDP + 8-bit

RISC-based

microcontroller co-processor w/ 32KB

Flash

memory, up to 16 MIPS throughput @

16 MHz

2.1.2. Architecture: x86, 64-bit

2.1.3. Intel HD Graphics @ 200-500 MHz

2.1.4. 4 GB DDR3L

2.1.5. Inbuilt Storage 64 GB eMMC

2.1.6. Networking & Connectivity: 2.4 GHz

Wi-Fi,

Bluetooth 4.0, Ethernet

2.1.7. HDMI, USB 3.0 C (video out), 2x USB

2.0, 3.5 mm

audio/mic, DSI, 6-pin Intel GPIO,

20-pin Arduino

GPIO, 6x Gravity sensor connectors

2.1.8. Power: 5V @2A (via microUSB, GPIO)

## 3. WARRANTY AND AFTER SALES SUPPORT

3.1. All units must carry one (1) year warranty for other parts and services that covered defects in materials and workmanship.

3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.

3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.

3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.

3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.

## 4. PAYMENT AND DELIVERY TERMS

4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

4.2. The Embedded Systems - Single Board Computer

x86-64 GB eMMC unit must be brand new and unused.

4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.

4.4. The price of the bid must be inclusive of government tax and fees.

**TOTAL APPROVED BUDGET FOR THE CONTRACT:**

**Php 130,396.37**

**GUIDELINES**

**A. Submission of Quotations**

1. Quotation/s shall include the Request for Quotation and/or the Purchase Request Number as state above;
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation/s; and
3. Quotation/s must be signed by the company's duly authorized representative.

**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, as amended by Government Procurement Policy Board Resolution No. 21-2017 dated 30 May 2017, 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
  - ✓ PhilGEPS Platinum Membership Certificate including Annex "A". If not available, the following alternate documents may be submitted:
    - PhilGEPS Registration Number
    - Mayor's Permit
      - For individuals/professionals engaged under Section 53.6, 53.7 and 53.9 of the 2016 IRR of RA No. 9184, only the Bureau of Internal Revenue (BIR) Certificate of Registration shall be submitted in lieu of the Mayor's Permit.
2. Upon issuance of Notice of Award (NOA)
  - ✓ Omnibus Sworn Statement
    - Applicable only for bidders who have submitted their quotation on item/s with a total Approved Budget for the Contract (ABC) of above Php50,000.00.
  - ✓ Income/Business Tax Return
    - Applicable only for: **a)** bidders who have submitted their quotation on item/s with a total ABC of above Php500,000.00; and **b)** bidders for Lease of Real Property and Venue (except for government agencies as lessors).

**For Procurement of Infrastructure**

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Philippine Contractors Accreditation Board License.

**For Procurement of Consulting Services**

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Professional Regulation Commission License or Curriculum Vitae.

**NOTE:** For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

**C. Terms and Conditions**

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. For all kinds of procurement, the bidder who passed the bid evaluation, shall submit a duly notarized Omnibus Sworn Statement upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery; and
5. The DOST-ASTI reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.