



**DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION**

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Oct-07-2022, 2:00 PM		
RFQ No.:	22-09-4062	Date:	October-03-2022
PR No.:	GAA-22-09-14900	Date:	September-14-2022

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.

EMMANUEL P. BALINTEC
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Smart TV Box</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) units of Smart TV Box.</p> <p>1.2. Said unit shall be used as part of RuralCasting Set top box 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1.1. CPU: Intel Cherry Trail Z8350, 1.84Ghz</p> <p>2.1.2. RAM: DDR3 2GB</p> <p>2.1.3. GPU: Intel HD Graphics 400</p> <p>2.1.4. ROM: NAND Flash 32GB</p>	2	unit	15125.00	30,250.00

2.1.5. Display: HD Type D 1080P

2.1.6. The Smart TV Box unit must be brand new and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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.

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

2	Mini PC Stick	2	pc	10750.00	21,500.00
	<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) pcs of Mini PC Stick.</p> <p>1.2. Said unit shall be used as part of RuralCasting Set top box 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications</p>				

of the equipment:

- 2.1.1. OS: Windows 10 Licensed
- 2.1.2. CPU: Intel Atom x5 Z8350
- 2.1.3. RAM: 4GB LPDDR3
- 2.1.4. ROM: 64GB EMMC
- 2.1.5. GPU: Intel HD Graphics 400
- 2.1.6. Port: 1xUSB3.0, 1xUSB2.0, HDMI
- 2.1.7. Network: Dual band Wi-Fi, Bluetooth
- 2.1.8. Dimensions: 0.5in x 1.54in x 3.9in
- 2.1.9. Other inclusions:
 - 2.1.9.1. 1 x Mini PC
 - 2.1.9.2. 1 x Power Adapter
 - 2.1.9.3. 1 x HDMI Cable
- 2.1.10. The Mini PC Stick unit must be brand new and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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.

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

3	<p>4g Internet Router with USB Port & SIM Card Slot & External Antennas</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 three (3) pcs of 4g Internet Router with USB</p>	3	pc	15000.00	45,000.00
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Port
& SIM Card Slot & External Antennas.
1.2. Said unit shall be integrated in the band 71 LTE
wifi
router prototype
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:

2.1.1. AC1200 Dual Band Unlocked 4G LTE
Modem

Router with SIM Card Slot

2.1.2. 1200Mbps Mesh WiFi

2.1.3. EC25-AFX Qualcomm Chipset

2.1.4. 5dBi High Gain Antennas

2.1.5. DDNS

2.1.6. 4G LTE FDD:
B2/B4/B5/B12/B13/B14/B66/B71

2.1.7. 3G-WCDMA:B2/B4/B5

2.1.8. The 4g Internet Router with USB Port &
SIM Card

Slot & External Antennas unit must be
brand new
and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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

	<p>for services not yet rendered of for the supplies and material not yet delivered under this Contract.</p> <p>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
4	<p>Touch Screen Display for Single Board Computer</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) units of Touch Screen Display for Single Board Computer.</p> <p>1.2. Said unit shall be integrated on the 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p> 2.1.1. 800x480 Resolution</p> <p> 2.1.2. Universal 7" Display for the Raspberry Pi</p> <p> 2.1.3. Compatible with Raspberry Pi A, B, A+, B+, and Pi2 versions</p> <p> 2.1.4. Adapt for Raspbian system</p> <p> 2.1.5. Weight: 0.2 kg</p> <p> 2.1.6. The Touch Screen Display for Single Board Computer unit must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon</p>	2	unit	3125.00	6,250.00

	<p>issuance of Notice to Proceed.</p> <p>4.2. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
5	<p>NUC KIT</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) lot of NUC Kit.</p> <p>1.2. Said unit shall be used for the prototyping activities of LokaLTE base station.</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:</p> <p>2.1.1. NUC Kit CORE i7</p> <p>2.1.1.1. 11th generation i7 processor</p> <p>2.1.1.2. M.2 22x80 key M slot</p> <p>2.1.1.3. 2.5" 7 mm SATA drive bay</p> <p>2.1.1.4. 117 x 112 x 51mm</p> <p>2.1.1.5. Standard Flat Lid</p> <p>2.1.1.6. Quantity: Two (2) units</p> <p>2.1.2. 8GB DDR4 2666Mhz Non ECC Memory</p> <p>RAM</p> <p>SODIMM</p> <p>2.1.2.1. Memory Capacity: 8GB</p> <p>2.1.2.2. CASLatency: CL19</p> <p>2.1.2.3. Chip Organization: x8</p> <p>2.1.2.4. Form Factor: DDR4</p> <p>2.1.2.5. Memory Voltage: 1.2v</p> <p>2.1.2.6. Module Type: SODIMM</p> <p>2.1.2.7. Speed: 2666MHz (PC4-21300)</p> <p>2.1.2.8. Quantity: Four (4) pcs</p> <p>2.1.3. 500GB M.2 NVME PCIE Gen3x4 SSD</p> <p>2.1.3.1. Form factor: M.2 2280</p> <p>2.1.3.2. Interface: NVMe PCIe Gen 3.0 x 4 Lanes</p> <p>2.1.3.3. Capacities 500GB</p> <p>2.1.3.4. NAND: 3D</p>	1	lot	108000.00	108,000.00

	<p>2.1.3.5. Quantity: Two (2) pcs</p> <p>2.1.4. 1TB Internal Hard Drive</p> <p>2.1.4.1. Capacity : 1TB</p> <p>2.1.4.2. Form Factor: 2.5 inch</p> <p>2.1.4.3. Performance: Multi-Tier Caching technology</p> <p>2.1.4.4. Key Feature: High capacity in small size</p> <p>2.1.4.5. z-height: 7 mm, 15 mm</p> <p>2.1.4.6. Interface: SATA 6GB/s interface</p> <p>2.1.4.7. Quantity: Two (2) units</p> <p>2.1.5. The NUC KIT must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
6	<p>AC to DC Power Supply for RF Power Amplifier</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) units of AC to DC Power Supply for RF Power Amplifier.</p> <p>1.2. Said unit shall be used as part of LokaLTE base station</p>	2	unit	1500.00	3,000.00

prototype.

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:

2.1.1. 36V Switching Power Supply 9.7A 350W

2.1.2. Input Voltage and Current: 200 – 240 VAC 4.0A ;

100 – 120 VAC 6.5A

2.1.3. Length: 21.5 cm

2.1.4. Width: 11.5 cm

2.1.5. Weight: 834g

2.1.6. Frequency: 50/60 Hz

2.1.7. Output Voltage: 36 VDC

2.1.8. Output Current: up to 9.7 A

2.1.9. The AC to DC Power Supply for RF Power Amplifier

unit must be brand new and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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.

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

7	<p>Single Board Computer 4GB</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) units of Single Board Computer 4GB.</p> <p>1.2. Said unit shall be used as part of RuralCasting Set top box 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p style="padding-left: 40px;">2.1. Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz</p> <p style="padding-left: 40px;">2.2. 4GB LPDDR4-3200 SDRAM</p> <p style="padding-left: 40px;">2.3. 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE</p> <p style="padding-left: 40px;">2.4. 2 USB 3.0 ports; 2 USB 2.0 ports</p> <p style="padding-left: 40px;">2.5. Raspberry Pi standard 40 pin GPIO header (fully backwards compatible with previous boards)</p> <p style="padding-left: 40px;">2.6. 2 × micro-HDMI ports (up to 4kp60 supported)</p> <p style="padding-left: 40px;">2.7. 2-lane MIPI DSI display port</p> <p style="padding-left: 40px;">2.8. 2-lane MIPI CSI camera port</p> <p style="padding-left: 40px;">2.9. 4-pole stereo audio and composite video port</p> <p style="padding-left: 40px;">2.10. 5V DC via USB-C connector</p> <p style="padding-left: 40px;">2.11. Raspbian OS</p> <p style="padding-left: 40px;">2.12. The Single Board Computer 4GB unit must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</p>	2	unit	8525.00	17,050.00
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	<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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
8	<p>Single Board Computer Power Supply</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) units of Single Board Computer Power Supply.</p> <p>1.2. Said unit shall be used as part of RuralCasting Set top box 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 requirement, otherwise stated.</p> <p>2. The supplier must abide and meet the following specifications of the equipment:</p> <ul style="list-style-type: none"> 2.1. Input Voltage: 90 → 264V 2.2. Output Voltage: 5.1 V 2.3. Output Current: 3A 2.4. Plug Type: US 2.5. Input Connector: Socket 2.6. Output Connector: USB Type C 2.7. Power Rating: 15.3W 2.8. Number of Outputs: 1 2.9. The Single Board Computer Power Supply unit must be brand new and unused. <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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</p>	4	unit	633.00	2,532.00

	<p>End-users/DOST-ASTI Property and Supply Section.</p> <p>3.3. 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>4. PAYMENT AND DELIVERY TERMS</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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
9	<p>DC Jack for LTE Band 71 PCB Boards</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) unit of ADC Jack for LTE Band 71 PCB Boards.</p> <p>1.2. Said unit shall be used as part of LokalTE base station 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p> 2.1.1. 36V Switching Power Supply 9.7A 350W</p> <p> 2.1.2. Input Voltage and Current: 200 – 240 VAC 4.0A ;</p> <p> 100 – 120 VAC 6.5A</p> <p> 2.1.3. Length: 21.5 cm</p> <p> 2.1.4. Width: 11.5 cm</p> <p> 2.1.5. Weight: 834g</p> <p> 2.1.6. Frequency: 50/60 Hz</p> <p> 2.1.7. Output Voltage: 36 VDC</p> <p> 2.1.8. Output Current: up to 9.7 A</p>	1	pc	70.00	70.00

	<p>2.1.9. The DC Jack for LTE Band 71 PCB Boards unit must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
10	<p>AC to DC Power Supply for PCB Boards</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) units of AC to DC Power Supply for PCB Boards.</p> <p>1.2. Said unit shall be used as part of LokalTE base station 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following</p>	2	unit	2805.00	5,610.00

specifications
of the equipment:

2.1.1. Switching Power Supplies 68W 5V/4A,
24V/1.5A,

12V/1A

2.1.2. Input Voltage: 88 VAC to 264 VAC

2.1.3. Output Voltage-Channel 1: 5 VDC

2.1.4. Output Voltage-Channel 2: 24 VDC

2.1.5. Output Voltage-Channel 3: 12 VDC

2.1.6. Output Power: 65W

2.1.9. The AC to DC Power Supply for PCB
Boards unit

must be brand new and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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.

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

fees.

11	4g Internet Router with USB Port & SIM Card Slot & External Antennas 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) pcs of 4g Internet Router with USB Port & SIM Card Slot & External Antennas. 1.2. Said unit shall be integrated in the band 71 LTE	3	pc	15000.00	45,000.00
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wifi
router prototype
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:

2.1.1. AC1200 Dual Band Unlocked 4G LTE Modem

Router with SIM Card Slot

2.1.2. 1200Mbps Mesh WiFi

2.1.3. EC25-AFX Qualcomm Chipset

2.1.4. 5dBi High Gain Antennas

2.1.5. DDNS

2.1.6. 4G LTE FDD:

B2/B4/B5/B12/B13/B14/B66/B71

2.1.7. 3G-WCDMA:B2/B4/B5

2.1.8. The 4g Internet Router with USB Port & SIM Card

Slot & External Antennas unit must be brand new and unused.

3. WARRANTY

3.1. All units must carry a six (6) months 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.

3.3. 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.

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. 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.

	4.3. The price of the bid must be inclusive of government tax and fees.				
12	<p>14x12x8 RF Enclosure</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) units of 14x12x8 RF Enclosure.</p> <p>1.2. Said unit shall be integrated in the band 71 LTE wifi router 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1.1. Material: Fiberglass Reinforced Polyester</p> <p>2.1.2. Voltage: 4VDC</p> <p>2.1.3. Cooling Fan Turn-On Temperature: 100°F (38°C) ±9°F</p> <p>2.1.4. Cooling Fan Turn-Off Temperature: 79°F (26°C) ±9°F</p> <p>2.1.5. Terminal Block Wire Range: 12-18 AWG</p> <p>2.1.6. Terminal Block Wire Strip Length: 6-7mm</p> <p>2.1.7. Outer Dimensions 15.7 x 13.8 x 10.1 Inches (401 x 352 x 258 mm)</p> <p>2.1.8. Weight: 12.2 lbs. (5.5 kg)</p> <p>2.1.9. The 14x12x8 RF Enclosure unit must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of Goods and/or performance of services shall be</p>	2	unit	16000.00	32,000.00

	<p>made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.</p> <p>4.2. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
13	<p>18x16x08 Rf Enclosure</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) units of 18x16x08 Rf Enclosure.</p> <p>1.2. Said unit shall be integrated in the band 71 LTE wifi router 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p>2.1.1. Outer Height: 19.5 in [495.3 mm]</p> <p>2.1.2. Outer Width: 17.5 in [444.5 mm]</p> <p>2.1.3. Outer Depth: 10 in [254 mm]</p> <p>2.1.4. Inner Height: 17.7 in [449.58 mm]</p> <p>2.1.5. Inner Width: 15.7 in [398.78 mm]</p> <p>2.1.6. Weight 19.8 lbs [8.98 kg]</p> <p>2.1.7. Enclosure Material: Fiberglass Reinforced Polyester (FRP)</p> <p>2.1.8. Temperature Rating: -50 to +150 deg C</p> <p>2.1.9. Power Configuration: 240 VAC</p> <p>2.1.10. The 18x16x08 Rf Enclosure unit must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry a six (6) months 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>	2	unit	25600.00	51,200.00

	<p>fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.</p> <p>3.3. 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>4. PAYMENT AND DELIVERY TERMS</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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
14	<p>Ultra-Miniature Brushless Fan Electric Dc 5V</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) pcs of Ultra-Miniature Brushless Fan Electric Dc 5V.</p> <p>1.2. Said unit shall be used as part of RuralCasting Set top box 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 requirement, otherwise stated.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide and meet the following specifications of the equipment:</p> <p> 2.1.1. Voltage range: DC 5V-DC 12V</p> <p> 2.1.2. Size: 21*21mm</p> <p> 2.1.3. Rated voltage: DC 5V</p> <p> 2.1.4. Current: 138 MA</p> <p> 2.1.5. Speed: 10000 RPM</p> <p> 2.1.6. The Ultra-Miniature Brushless Fan Electric Dc 5V unit must be brand new and unused.</p> <p>3. WARRANTY</p>	2	pc	335.00	670.00

	<p>3.1. All units must carry a six (6) months 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>3.3. 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>4. PAYMENT AND DELIVERY TERMS</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. 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>4.3. The price of the bid must be inclusive of government tax and fees.</p>				
15	<p>Photovoltaic Capture, Conversion, and Storage System</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) lot of photovoltaic capture, conversion, and storage system units.</p> <p>1.2. Said unit shall be used for the deployment activities of the project.</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:</p> <p> 2.1.1. Monocrystalline solar panels</p> <p> 2.1.1.1. 420W</p>	1	lot	495000.00	495,000.00

- 2.1.1.2. Quantity: Ten (10) units
- 2.1.2. HYBRID Inverter
 - 2.1.2.1. 5.0KW
 - 2.1.2.2. Inclusive of sensors, current transformer, and internet ready
 - 2.1.2.3. Quantity: One (1) unit
- 2.1.3. Battery Bank
 - 2.1.3.1. 10kw-hr Lithium Iron Solar Batteries
 - 2.1.3.2. 55v/200AH
 - 2.1.3.3. Quantity: One (1) lot
- 2.1.4. Installation Accessories
 - 2.1.4.1. Aluminum mounting system
 - 2.1.4.2. Steel framing
 - 2.1.4.3. Necessary water-proofing
 - 2.1.4.4. Quantity: One (1) lot
- 2.1.5. Balance of the System
 - 2.1.5.1. DC combiner system
 - 2.1.5.2. DC controls
 - 2.1.5.3. AC control system
 - 2.1.5.4. Grounding/bonding system
 - 2.1.5.5. Lightning arrester system
 - 2.1.5.6. Surge Protection system
 - 2.1.5.7. Conduit and cabling/wiring system
 - 2.1.5.8. Quantity: One (1) lot
- 2.1.6. Internet configuration and wireless connection with online App.
- 2.1.7. Supply labor, expertise and necessary tools and consumables for the mobilization, installation, testing, commissioning, integration of Generator, Utility grid Supply (if any) and online monitoring.
- 2.1.9. Installation sites to be provided by the end-user.
- 2.1.8. The photovoltaic capture, conversion, and storage system unit must be brand new and unused.

3. WARRANTY AND AFTER SALES SUPPORT

- 3.1. The unit must carry a six (6) months warranty for other parts and services that covered defects in materials and workmanship.
- 3.2. Replacement unit 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 unit 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 be 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. 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.

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

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 863,132.00

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.