



**ASTI-FM 03-11
REV 1/13 January 2020**

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

ITB No:	21-12-3722	Date:	December-24-2021
PR No:	NetMeshR11-21-12-13000	Date:	December-13-2021
Source of Funds:			
Total ABC: Php 1,096,700.00			
Time, Date & Venue of Pre-bid Conference: January 05, 2022, 9:00 PM at Via videoconferencing			
Time and Date of Submission of Bids: January 17, 2022, 09:30 AM			
Time, Date & Venue of Opening Bids: January 17, 2022, 10:00 AM at DOST-ASTI and Videoconferencing			
Date of availability of Complete Set of Documents: December 28, 2021			
Deadline of Potential Bidder's Clarifications: January 07, 2022			
Deadline of ASTI's Supplemental Bid Bulletin: January 10, 2022			
Delivery Schedule:			

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested bidders to submit their bids for the item(s) listed below. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents

Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - www.asti.dost.gov.ph

For further inquiries, contact ASTI's BAC Secretariat via email at bac-sec@asti.dost.gov.ph. Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,

GERWIN P. GUBA
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Server Supply, delivery, installation, and testing of server unit charged to NTC Region 11</p> <p>1. BACKGROUND AND OBJECTIVES: 1.1. The Advanced Science and Technology Institute is seeking qualified and competent bidders for the supply and delivery of testing server. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. This Server will be used as a link testing server for the Project and will be deployed in the regional point of presence. 1.4. Winning bidder shall install the latest stable</p>	1	unit	548350.00	548,350.00

- version
 - of Ubuntu Operating System (OS)
- 1.5. The technical specifications indicated herein are minimum requirements unless otherwise specified.
- 1.6. One (1) unit of Server
- 2. TECHNICAL SPECIFICATIONS:
 - 2.1. Processor
 - 2.1.1. Four-core Intel Xeon Processor E5-2637 v4 3.5.3 7GHz Turbo or equivalent
 - 2.2. Memory:
 - 2.2.1. Four (4) x 64GB DDR4 ECC LRDIMM 2666, 1.2V, corrects single-bit errors and detect double-bit errors (using ECC memory)
 - 2.3. Disk:
 - 2.3.1. Two (2) x 1.92TB or larger SATA Enterprise 2.5" SSD 6.0Gb/s
 - 2.4. SATA:
 - 2.4.1. With Hardware RAID Support (RAID 0,1,5,10) and with support for Software RAID
 - 2.4.2. SATA3 (6Gbps) via C612 Controller
 - 2.4.3. SATA DOM Power Connector
 - 2.5. Drive Bays: Two (2) x 2.5" Drive Bays
 - 2.6. Network:
 - 2.6.1. Dual Port Gigabit Ethernet
 - 2.6.2. Virtual Machine Device Queues reduced I/O overhead
 - 2.6.3. Support 10Base-T, 100Base-TX, and 1000Base-T, RJ45 Output
 - 2.6.4. Two (2) x RJ45 Gigabit Ethernet LAN Ports (on-board)
 - 2.6.5. One (1) x RJ45 Dedicated IPMI LAN port (on-board)
 - 2.6.6. Two (2) Port 10Gb Ethernet with SFP+, Low-profile (add-on, with needed riser, Linux Driver)
 - 2.7. AC/DC Redundant Power Supplies
 - 2.7.1. 400W 1U Redundant Power Supplies with PMBus
 - 2.7.2. Total Output Power: 400W
 - 2.7.2.1. Input:
 - 2.7.2.1.1. 100-240Vac / 6.0 – 3.0A / 50-60Hz
 - 2.7.2.1.2. 200-240Vdc / 3.4 – 3.2A (CCC Only)
 - 2.7.2.1.3. Certification: Platinum Level Certified
 - 2.8. Input / Output
 - 2.8.1. One (1) x VGA Port
 - 2.8.2. Two (2) x COM Ports (1 rear, 1 header)
 - 2.8.3. Two (2) x RJ45 Gigabit Ethernet LAN Ports
 - 2.8.4. One (1) x RJ45 Dedicated IPMI LAN Port
 - 2.8.4.1. USB:
 - 2.8.4.1.1. Two (2) x USB 3.0 Ports (rear)
 - 2.8.4.1.2. Two (2) x USB 2.0 Ports (rear)
 - 2.8.4.1.3. Two (2) x USB 3.0 Ports (front)
 - 2.8.4.2. DOM: Two (2) x Super DOM (Disk on Module) Ports
 - 2.9. Expansion Slots:
 - 2.9.1.1. PCI-Express
 - 2.9.1.1.1. Left Riser: Two (2) x PCI-E 3.0 x 16 slots
 - 2.9.1.1.2. One (1) x PCI-E 3.0 x 8 LP Slot
 - 2.10. FANS:
 - 2.10.1. Four (4) x 40x56mm PWN Cooling Fans
 - 2.10.2. Two (2) x Optional Fans for AOC Cooling

- 2.11. BIOS:
 - 2.11.1. 128Mb SPI Flash EEPROM with AMI BIOS
 - 2.11.2. Hardware BIOS Virus Protection
- 2.12. Management:
 - 2.12.1. Software: IPMI (Intelligent Platform Management Interface) v2.0 with virtual media over LAN and KVM-over-LAN Support
 - 2.12.2. Power Configurations: ACPI/ACPM Power Management
 - 2.12.3. Main Switch Override Mechanism
 - 2.12.4. Power-on mode for AC power recovery
- 2.13. Operating Environment / Compliance
 - 2.13.1. RoHS Compliant
 - 2.13.1.1. Environmental Spec:
 - 2.13.1.1.1. Operating Temperature:
 - 2.13.1.1.1.1. 10 Degrees Celsius to 35 Degrees Celsius
(50 Degrees Fahrenheit to 95 Degrees Fahrenheit)
 - 2.13.1.1.1.2. Non-Operating Temperature
 - 2.13.1.1.1.2.1. -40 Degrees Celsius to 70 Degrees Celsius
(-40 Degrees Fahrenheit to 158 Degrees Fahrenheit)
 - 2.13.1.1.1.3. Operating Relative Humidity
 - 2.13.1.1.1.3.1. 8% to 90% (non-condensing)
 - 2.13.1.1.1.4. Non-Operating Relative Humidity:
 - 2.13.1.1.1.4.1. 5% to 95% (non-condensing)
 - 2.14. Formfactor: 1 Rack Unit mountable
- 3. ACCESSORIES:
 - 3.1. One (1) USB Keyboard
 - 3.2. One (1) USB Mouse
 - 3.3. Power Cable: Two (2) pcs of C13 power cables rated for 220v/30A
 - 3.4. Four (4) pieces compatible Single Mode, LR, Duplex, SFP+ 10GB Transceiver
 - 3.5. Four (4) pieces compatible 5 meters (or longer) Single-Mode LC to LC Patch Cable
 - 3.6. One (1) set of Manufacturer's Mounting Kit
- 4. AFTERSALES/TECHNICAL SUPPORT SERVICE
 - 4.1. Technical support service must be available Nine (9) hours per day. Monday to Friday (including holidays), during business hours, 9:00 AM -6:00 PM Philippine Standard Time (UTC+8) and must respond:
 - 4.1.1. Four (4) business hours, and updates every three (3) business days for critical severity issues that impact a high number of staff
 - 4.1.2. Eight (8) business hours, and updates every five (5) business days for high severity issues that incur serious degradation to application performance or functionality
 - 4.1.3. Twenty-Four (24) business hours, and updates by request

for medium severity issues that moderately impact

user operations

4.1.4. Forty-Eight (48) business hours, and updates by request

for low priority issues such as inquiries or issues with

limited impact on user operations

4.2. End-user must be able to request technical support by

phone or email

4.3. Onsite technical support may be requested on special cases or critical severity issues

5. DOCUMENTARY REQUIREMENTS

5.1. The supplier/retailer/manufacturer of the equipment

must possess ISO certification (or any equivalent certification) that guarantees that their production

process is governed by quality management

practices.

The bidder must submit documentary proof of ISO certification of the offered brands issued by

accredited

registrars or any equivalent certification body.

5.2. The prospective bidder must supply a hardcopy certification signed by the original equipment manufacturer

or its authorized Philippine distributor, authorizing the

mentioned to promote, distribute, sell, and

provide

post-sales technical support for the equipment.

6. WARRANTY SERVICE

6.1. Coverage: Three (3) years manufacturer's warranty

6.2. Shall also include onsite services, parts, and labor

6.3. The obligation for warranty shall be submitted upon

delivery. It shall be covered by either retention money

in an amount equivalent to at least five percent (5%)

of every progress payment, or a special bank guarantee

equivalent to at least five percent (5%) of the total contract price.

6.4. The Server must be shipped with thirty (30)-calendar day

return for advance replacement on DOA parts and components, and three (3)-year limited warranty

that

covers defects in materials and workmanship.

7. PAYMENT AND DELIVERY TERMS

7.1. Delivery of the Server shall be made by the supplier

within ninety (90) calendar days upon issuance of Notice to Proceed (NTP)

7.2. Payment shall be made only upon certification/acceptance

by the End-user to the effect that the Goods have

	<p>been 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 Goods, supplies, and materials not yet delivered under this contract.</p> <p>7.3. Other Delivery Terms: With seven (7) days testing period to check for manufacturers defect before the acceptance</p>				
2	<p>Server Supply, delivery, installation, and testing of server unit charged to NTC Region 8</p> <p>1. BACKGROUND AND OBJECTIVES:</p> <p>1.1. The Advanced Science and Technology Institute is seeking qualified and competent bidders for the supply and delivery of testing server.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. This Server will be used as a link testing server for the Project and will be deployed in the regional point of presence.</p> <p>1.4. Winning bidder shall install the latest stable version of Ubuntu Operating System (OS)</p> <p>1.5. The technical specifications indicated herein are minimum requirements unless otherwise specified.</p> <p>1.6. One (1) unit of Server</p> <p>2. TECHNICAL SPECIFICATIONS:</p> <p>2.1. Processor</p> <p>2.1.1. Four-core Intel Xeon Processor E5-2637 v4 3.5.3 7GHz Turbo or equivalent</p> <p>2.2. Memory:</p> <p>2.2.1. Four (4) x 64GB DDR4 ECC LRDIMM 2666, 1.2V, corrects single-bit errors and detect double-bit errors (using ECC memory)</p> <p>2.3. Disk:</p> <p>2.3.1. Two (2) x 1.92TB or larger SATA Enterprise 2.5" SSD 6.0Gb/s</p> <p>2.4. SATA:</p> <p>2.4.1. With Hardware RAID Support (RAID 0,1,5,10) and with support for Software RAID</p> <p>2.4.2. SATA3 (6Gbps) via C612 Controller</p> <p>2.4.3. SATA DOM Power Connector</p> <p>2.5. Drive Bays: Two (2) x 2.5" Drive Bays</p> <p>2.6. Network:</p> <p>2.6.1. Dual Port Gigabit Ethernet</p> <p>2.6.2. Virtual Machine Device Queues reduced I/O overhead</p> <p>2.6.3. Support 10Base-T, 100Base-TX, and 1000Base-T, RJ45 Output</p> <p>2.6.4. Two (2) x RJ45 Gigabit Ethernet LAN Ports (on-board)</p> <p>2.6.5. One (1) x RJ45 Dedicated IPMI LAN port</p>	1	unit	548350.00	548,350.00

(on-board)

- 2.6.6. Two (2) Port 10Gb Ethernet with SFP+,
Low-profile (add-on, with needed riser, Linux Driver)
 - 2.7. AC/DC Redundant Power Supplies
 - 2.7.1. 400W 1U Redundant Power Supplies with PMBus
 - 2.7.2. Total Output Power: 400W
 - 2.7.2.1. Input:
 - 2.7.2.1.1. 100-240Vac / 6.0 – 3.0A / 50-60Hz
 - 2.7.2.1.2. 200-240Vdc / 3.4 – 3.2A (CCC Only)
 - 2.7.2.1.3. Certification: Platinum Level Certified
 - 2.8. Input / Output
 - 2.8.1. One (1) x VGA Port
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 - 2.13.1.1.1.4. Non-Operating Relative Humidity:
 - 2.13.1.1.1.4.1. 5% to 95% (non-condensing)
 - 2.14. Formfactor: 1 Rack Unit mountable
3. ACCESSORIES:

- 3.1. One (1) USB Keyboard
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- 3.4. Four (4) pieces compatible Single Mode, LR, Duplex, SFP+ 10GB Transceiver
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 - 4.1.3. Twenty-Four (24) business hours, and updates by request for medium severity issues that moderately impact user operations
 - 4.1.4. Forty-Eight (48) business hours, and updates by request for low priority issues such as inquiries or issues with limited impact on user operations
 - 4.2. End-user must be able to request technical support by phone or email
 - 4.3. Onsite technical support may be requested on special cases or critical severity issues
5. DOCUMENTARY REQUIREMENTS
 - 5.1. The supplier/retailer/manufacturer of the equipment must possess ISO certification (or any equivalent certification) that guarantees that their production process is governed by quality management practices. The bidder must submit documentary proof of ISO certification of the offered brands issued by accredited registrars or any equivalent certification body.
 - 5.2. The prospective bidder must supply a hardcopy certification signed by the original equipment manufacturer or its authorized Philippine distributor, authorizing the aforementioned to promote, distribute, sell, and provide

<p>post-sales technical support for the equipment.</p> <p>6. WARRANTY SERVICE</p> <p>6.1. Coverage: Three (3) years manufacturer's warranty</p> <p>6.2. Shall also include onsite services, parts, and labor</p> <p>6.3. The obligation for warranty shall be submitted upon delivery. It shall be covered by either retention money in an amount equivalent to at least five percent (5%) of every progress payment, or a special bank guarantee equivalent to at least five percent (5%) of the total contract price.</p> <p>6.4. The Server must be shipped with thirty (30)-calendar day return for advance replacement on DOA parts and components, and three (3)-year limited warranty that covers defects in materials and workmanship.</p> <p>7. PAYMENT AND DELIVERY TERMS</p> <p>7.1. Delivery of the Server shall be made by the supplier within ninety (90) calendar days upon issuance of Notice to Proceed (NTP)</p> <p>7.2. Payment shall be made only upon certification/acceptance by the End-user to the effect that the Goods have been 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 Goods, supplies, and materials not yet delivered under this contract.</p> <p>7.3. Other Delivery Terms: With seven (7) days testing period to check for manufacturers defect before the acceptance</p>				
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TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):	Php 1,096,700.00
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RESERVATION CLAUSE

The Advanced Science and Technology Institute 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.