



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

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

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|---|---|--------------|-------------------|
| ITB No: | 21-09-3562 | Date: | September-29-2021 |
| PR No: | REIINN-21-07-11791 | Date: | July-29-2021 |
| Source of Funds: | | | |
| Total ABC: | Php 394,350.00 | | |
| Time, Date & Venue of Pre-bid Conference: | October 07, 2021, 9:00 AM at Via videoconferencing | | |
| Time and Date of Submission of Bids: | October 19, 2021, 10:00 AM | | |
| Time, Date & Venue of Opening Bids: | October 19, 2021, 10:30 AM at DOST-ASTI and Videoconferencing | | |
| Date of availability of Complete Set of Documents: | September 29, 2021 | | |
| Deadline of Potential Bidder's Clarifications: | October 09, 2021 | | |
| Deadline of ASTI's Supplemental Bid Bulletin: | October 12, 2021 | | |
| 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 and Delivery of Server Hardware Platform Units and Accessories</p> <p>1. BACKGROUND AND OBJECTIVES 1.1. The Advanced Science and Technology Institute (herein referred as to the "Institute") is seeking qualified and competent bidders for the supply and delivery of server hardware platform units and accessories. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. These brand-new servers will be used as the compute and control unit of LTE base station systems, which may be deployed in off-grid areas.</p> | 1 | lot | 394350.00 | 394,350.00 |

1.4. The technical specifications indicated herein are minimum requirements, unless otherwise specified.

2. TECHNICAL SPECIFICATIONS

2.1. Three (3) Units of Server Hardware Platform

2.2. Each server hardware platform unit must possess the following technical characteristics:

2.2.1. Packaged in a tower form factor.

2.2.2. Supplied and installed with one (1) 4-core processor with 4-threads and operating at 3.3 GHz base frequency that can boost to 4.2 GHz frequency.

2.2.3. Supplied and installed with 16GB of DDR4 ECC memory modules, in a 2 x 8GB dual-channel configuration, and upgradeable to 64GB of total memory capacity

2.2.4. Supplied and installed with one (1) 2.5-inch 480GB SATA solid state disk (SSD) and one (1) 3.5-inch 1TB 7200RPM SATA hard disk drive (HDD)

2.2.5. Chassis must support a total of four (4) 3.5-inch disk drives

2.2.6. Onboard 6Gbps SATA controller with support for AHCI mode and software RAID protection levels 0, 1, 5, 10

2.2.7. Integrated with one (1) Gigabit Ethernet 1000BASE-T RJ45 port and one (1) management LAN for IPMI

2.2.8. Supplied and installed with a DVD-ROM optical disk drive

2.2.9. Integrated with graphics adapter with 64MB VRAM

2.2.10. Provides four (4) USB 3.2 ports, one (1) VGA display (or HDMI or DisplayPort) and one (1) COM port

2.2.11. Provides LED indicators in front for power, location, HDD access, and LAN activity

2.2.12. Power supply unit must be rated to operate at 500W (maximum) and 80 Plus Gold certified

3. ACCESSORIES

3.1. Each server hardware platform unit must be supplied with the following accessories:

3.1.1. One (1) 2-meter AC Power Cord (North America), C13, NEMA 5-15P

3.1.2. One (1) 21.5-inch LED monitor, HDMI and VGA input with 1.5-meter VGA and HDMI or DisplayPort cables

3.1.3. One (1) wired USB keyboard and one (1) mouse

3.2. Each server hardware platform unit must also be supplied with an uninterruptible power supply (UPS) unit. The UPS must possess the following technical characteristics:

3.2.1. Packaged in a tower form factor

3.2.2. Rated Capacity of 900 Watts or 1000 Volt-Amperes

3.2.3. Rated Input Voltage must accommodate 110-300 Vac, operate within an input frequency of 44-66 Hz

3.2.4. Rated output voltage must support 220/230/240 Vac

3.2.5. Output frequency must be selectable between 50 or 60 Hz, with selectable stability of ± 1 Hz or ± 3 Hz

3.2.6. Output Power Factor of 0.9, output waveform must be pure sine wave

- 3.2.7. Battery type should be 12V VRLA, AGM (maintenance-free lead)
- 3.2.8. Charging time of 4 to 6 hours to reach 90% charge
- 3.2.9. Uptime of at least 14 minutes at 50% load and 5 minutes at 100% load
- 3.2.10. Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault
- 3.2.11. Protection from the following: Overload, overheating, short circuit, deep discharge, battery overcharging
- 3.2.12. Output sockets: at least two (2) IEC C13
- 3.2.13. Power Cords: One (1) 2-meter AC Power Cord (North America), C13, NEMA 5-15P and two (2) 1-meter C13, IEC to C14, IEC, 10A, 250V power cord

4. TERMS OF WARRANTY AND AFTER-SALES SUPPORT

- 4.1. Technical support service must be available 9 hours per day, Monday to Friday (including holidays), during business hours, 9-6PM Philippines Standard Time (UTC+8) and must respond:
 - 4.1.1. 4 business hours, and updates every 3 business days for critical severity issues that impact a high number of staff
 - 4.1.2. 8 business hours, and updates every 5 business days for high severity issues that incur serious degradation to application performance or functionality
 - 4.1.3. 24 business hours, and updates by request for medium severity issues that moderately impact user operations
 - 4.1.4. 48 business hours, and updates by request for low priority issues such as inquiries or issues with limited impact to 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 for special cases or critical severity issues
- 4.4. The server hardware platform unit and UPS must be shipped with 30-calendar day return for advanced replacement on DOA parts and components, and 3-year limited warranty that covers defects in materials and workmanship.

5. OTHER REQUIREMENTS

- 5.1. The manufacturer of the server hardware platform must possess ISO 9001 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 post-sales technical support for the equipment.

6. DELIVERY AND PAYMENT TERMS

- 6.1. Delivery of the server hardware platform units,

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|--|--|--|--|-----------------------|
| <p>UPS units, and accessories shall be made by the Supplier within Forty-Five (45) calendar days upon issuance of Notice to Proceed (NTP)</p> <p>6.2. 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> | | | | |
| TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC): | | | | Php 394,350.00 |
| RESERVATION CLAUSE | | | | |
| <p>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.</p> | | | | |