



ASTI-FM 03-11
REV 1/08 JUN 2022

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

IB No:	23-10-4559	Date:	November-17-2023
PR No:	VIROS-23-07-17194	Date:	July-19-2023
Source of Funds:			
Total ABC:	Php 1,060,000.00		
Time, Date & Venue of Pre-bid Conference:	November 24, 2023, 9:00 AM at at Videoconferencing (MS Teams)		
Time and Date of Submission of Bids:	December 06, 2023, 09:00 AM		
Time, Date & Venue of Opening Bids:	December 06, 2023, 9:30 AM at at DOST-ASTI and at Videoconferencing (MS Teams)		
Date of availability of Complete Set of Documents:	November 17, 2023		
Deadline of Potential Bidder's Clarifications:	November 26, 2023		
Deadline of ASTI's Supplemental Bid Bulletin:	November 29, 2023		
Delivery Schedule:			

The *Department of Science and Technology (DOST) - 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. *Section II. Instructions to Bidders (ITB) of the DOST-ASTI Bidding Documents provides information necessary for bidders to prepare responsive bids, in accordance with the requirements of DOST-ASTI. The ITB likewise provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and award of contract.*

Bidding will be conducted through open competitive bidding procedures *using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.*

A complete set of *DOST-ASTI Bidding Documents may be acquired by interested Bidders on the date and address given on this document, and upon payment of the applicable fee, pursuant to the latest Guidelines issued by the Government Procurement Policy Board. Further, the DOST-ASTI Bidding Documents may be accessed through the DOST-ASTI website (<https://asti.dost.gov.ph/>).*

For further inquiries, *you may contact the DOST-ASTI BAC Secretariat at telephone number +63 2 8249-8500 / +63 2 8426-9755 local 1206/1212 or send your message to bac-sec@asti.dost.gov.ph .*

Respectfully,

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	Data Control and Processing Platform 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) Lot of Data Control and Processing Platforms, which includes four (4) sets of the following: 1.1.1. One (1) Unit Processor 1.1.2. One (1) Unit Motherboard 1.1.3. One (1) Unit Computer RAM 1.1.4. One (1) Unit SSD Storage 1.1.5. One (1) Unit Graphics Card 1.1.6. One (1) Unit PCIE Riser 1.1.7. One (1) Unit PSU	1	lot	560000.00	560,000.00

1.1.8. One (1) Unit Case Fans

1.1.9. One (1) Unit Computer Chassis

1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and other charges.

2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:

2.1. Data Control and Processing Platforms

2.1.1. Technical Requirements :

2.1.1.1. One (1) Unit Processor

2.1.1.1.1. 12 Cores, 20 Threads,

3.60GHz – 4.90GHz Frequency

2.1.1.1.2. Bus Speed 8 GT/s

2.1.1.1.3. TDP 65-180 W

2.1.1.1.4. Max Memory Size

(Dependent on Memory Type) 128 GB

2.1.1.1.5. Memory: 2 Channel,

DDR5-4800 / DDR4-3200, 76.8GB/s Bandwidth

2.1.2.2. One (1) Unit Motherboard

2.1.2.2.1. LGA1700 Socket, B660

Chipset, ITX Form Factor

2.1.2.2.2. Voltage Regulator 9 Phase

(8+1, 60A SPS MOSFETs for Vcore)

2.1.2.2.3. Video Ports: (1) HDMI (v2.1);

(1) DisplayPort (v1.4)

2.1.2.2.4. USB Ports: (1) USB 3.2 Gen

2x2 Type-C (20 Gbps); (1) USB 3.2 Gen 2 Type-C (10 Gbps); (3) USB 3.2 Gen 2 (10 Gbps); (3) USB 2.0 (480 Mbps)

2.1.2.2.5. Network Jacks: (1) 2.5 GbE

2.1.2.2.6. Audio Jacks: (5) Analog +

SPDIF

2.1.2.2.7. PCIe x16 (1) v5.0 (x16)

2.1.2.2.8. DIMM Slots (2) DDR5

6200+(OC), 64GB Capacity

2.1.2.2.9. M.2 Sockets (2) PCIe 4.0 x4 (64 Gbps) / PCIe (up to 80mm)

2.1.2.2.10. SATA Ports (4) SATA3 6 Gbps (Supports RAID 0/1/5/10)

2.1.2.2.11. USB Headers (1) USB v3.2

Gen 2, Type-C (10 Gbps), (1) USB v3.2 Gen 2, Type-C (10 Gbps), (1) USB v2.0 (480 Mbps)

2.1.2.2.12. Fan/Pump Headers (3) 4-Pin

(CPU, CPU_OPT, AIO Pump)

2.1.2.2.13. RGB Headers (2) aRGB

(3-pin), (1) AURA RGB (4-pin)

2.1.2.2.14. Diagnostics Panel Q-LEDs

(Boot, VGA, DRAM, CPU)

2.1.2.2.15. Wi-Fi / Bluetooth Intel AX201

Wi-Fi 6 (2x2 ax, MU-MIMO, 2.4/5/6 GHz, 160 MHz, BT 5.2)

2.1.2.3. One (1) Unit Computer RAM

2.1.2.3.1. 2 x 8GB DDR4 RAM

2.1.2.3.2. Color: Black (Preferred)

2.1.2.3.3. First Word Latency: 8.889ns

2.1.2.3.4. CAS Latency: 16

2.1.2.3.5. Voltage: 1.35V

2.1.2.3.6. Timing: 16-19-19-39

2.1.2.3.7. With Heat spreader

2.1.2.4. One (1) Unit SSD Storage

2.1.2.4.1. Storage: 500GB SSD
 2.1.2.4.2. Cache: 512MB
 2.1.2.4.3. Form Factor: M.2
 2.1.2.5. One (1) Unit Graphics Card
 2.1.2.5.1. Video Memory: 8GB GDDR6,
 256-bit Bus
 2.1.2.5.2. Engine ClockBoost: 1695
 MHz
 2.1.2.5.3. Memory Clock 14 Gbps
 2.1.2.5.4. PCI Express 4.0 16x
 2.1.2.5.5. Display Outputs 3 x
 DisplayPort 1.4a (up to 7680x4320@60Hz)
 2.1.2.5.6. HDMI 2.1* (up to
 7680x4320@60Hz)
 2.1.2.5.7. Ultra High-Speed HDMI Cable
 to Support 8K/60FPS or 4K/120FPS
 2.1.2.5.8. HDCP Support 2.3
 2.1.2.5.9. Multi Display Capability Quad
 Display
 2.1.2.5.10. Recommended Power
 Supply 650W
 2.1.2.5.11. Power Consumption 200W
 2.1.2.5.12. Power Input 8-pin
 2.1.2.5.13. DirectX 12 Ultimate
 2.1.2.5.14. OpenGL 4.6
 2.1.2.6. One (1) Unit PCIE Riser
 2.1.2.6.1. HD Audio + Mic
 2.1.2.6.2. Size (L x W x H): 10.5 cm x
 13.1 cm x 2 cm
 2.1.2.6.3. Type: Riser Cable
 2.1.2.6.4. Length: 20cm
 2.1.2.6.5. PCI-E: Gen 4.0""
 2.1.2.7. One (1) Unit PSU
 2.1.2.7.1. Type: ATX
 2.1.2.7.2. Efficiency Rating: 80+ Gold
 2.1.2.7.3. Wattage: 850 W
 2.1.2.7.4. Color: Black (Preferred)
 2.1.2.7.5. EPS 8-Pin Connectors: 1
 2.1.2.7.6. PCIe 6+2-Pin Connectors: 6
 2.1.2.7.7. SATA Connectors: 8
 2.1.2.7.8. Molex 4-Pin Connectors: 3
 2.1.2.8. One (1) Unit Case Fans
 2.1.2.8.1. Size 120x120x25 mm
 2.1.2.8.2. Mounting Hole Spacing
 105x105 mm
 2.1.2.8.3. Connector and
 Pin-configuration 4-pin PWM
 2.1.2.8.4. Cable Length 20cm + 30cm
 NA-EC1 Extension Cable
 2.1.2.8.5. Bearing SSO2
 2.1.2.8.6. Blade Geometry A-Series with
 Flow Acceleration Channels
 2.1.2.8.7. Frame technology AAO
 (Advanced Acoustic Optimization)
 2.1.2.8.8. Rotational speed (+/- 10%)
 1200 RPM
 2.1.2.8.9. Rotational speed with L.N.A.
 (+/- 10%) 900 RPM
 2.1.2.8.10. Min. rotational speed @ 20%
 PWM (+/- 20%) 450 RPM
 2.1.2.8.11. Airflow 55,7 m³/h

	<p>2.1.2.8.12. Airflow with L.N.A. 39,4 m³/h 2.1.2.8.13. Acoustical noise 12,1 dB(A) 2.1.2.8.14. Acoustical noise with L.N.A. 7,6 dB(A) 2.1.2.8.15. Static pressure 0,82 mm H₂O 2.1.2.8.16. Static pressure with L.N.A. 0,41 mm H₂O 2.1.2.8.17. Power rating 12V, 0.05A(max), 0,6 W(max) 2.1.2.8.18. Voltage PWM signal 5 V 2.1.2.8.19. MTTF > 150.000 h 2.1.2.9. One (1) Unit CPU Case 2.1.2.9.1. MicroATX Mini Tower 2.1.2.9.2. Color: Black (Preferred) 2.1.2.9.3. Mesh Side Panel 2.1.2.9.4. Front Panel USB: USB 3.2 Gen 2 Type-C/USB 3.2 Gen 1 Type-A 2.1.2.9.5. Motherboard Form Factor: Micro ATX/ Mini ITX 2.1.2.9.6. Maximum Video Card Length: 338 mm 2.1.2.9.7. Dimensions: 350 mm x 205 mm x 460 mm</p> <p>3. WARRANTY AND AFTER-SALES SUPPORT 3.1. All units must carry six (6) months warranty for other parts and services that cover 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 that have failed to work after testing within seven (7) calendar days from purchase. 3.3. The end-user 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 from 8 AM to 5 PM subject to the availability of the aforementioned. 3.3.1. The end-user should receive feedback and responses from the external provider twenty-four (24) hours after the inquiry or concern was made.</p> <p>4. PAYMENT AND DELIVERY TERMS 4.1. Delivery of Goods shall be made by the supplier within twenty (20) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Payment shall be made only upon certification/acceptance by the 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 Goods not delivered under this Contract. 4.3. The price of the bid must be inclusive of government taxes and other charges.</p>				
2	<p>Laptop with licensed and software accessories 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Two (2) Units</p>	2	unit	150000.00	300,000.00

Laptop with License and Software Accessories.

1.2. The ABC is inclusive of all applicable government taxes and other charges.

2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:

2.1. Two (2) Units Laptop with License and Software Accessories

2.1.1. Processor: 14 Cores, 20 Threads, 4.1GHz, 24MB Cache or Better

2.1.2. Graphics: 8GB GDDR6 or Better

2.1.3. Memory: 32GB Soldered LPDDR5x-6400 or Better

2.1.4. Storage: 1TB SSD M.2 2280 PCIe 4.0x4 NVMe or Better

2.1.5. Display: 14.5" 3K (3072x1920) Mini LED 1200nits Glossy / Anti-fingerprint, 100% P3, 100% sRGB, 165Hz, Glass, Touchscreen or Better

2.1.6. Standard Ports: 1x USB 3.2 Gen 1

2.1.6.1. 1x USB 3.2 Gen 1 (Always On)

2.1.6.2. 1x USB-C 3.2 Gen 1 (Support Data Transfer, Power Delivery 3.0)

2.1.6.3. 1x Thunderbolt 4 / USB4 40Gbps (Support Data Transfer, Power Delivery -3.0 and DisplayPort 1.4)

2.1.6.4. 1x HDMI, Up to 8K/60Hz

2.1.6.5. 1x Card Reader

2.1.6.6. 1x Headphone/Microphone Combo Jack (3.5mm)

2.1.7. Security Chip: Firmware TPM 2.0

3. WARRANTY AND AFTER-SALES SUPPORT

3.1. All units must carry six (6) months warranty for other parts and services that cover 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 that have failed to work after testing within seven (7) calendar days from purchase.

3.3. The end-user 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 from 8 AM to 5 PM subject to the availability of the aforementioned.

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

4. PAYMENT AND DELIVERY TERMS

4.1. Delivery of Goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.

4.2. Payment shall be made only upon certification/acceptance by the 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 Goods not delivered under this Contract.

4.3. The price of the bid must be inclusive of

	government taxes and other charges.				
3	<p>Laptop with licensed and software accessories</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Two (2) Units Laptop with License and Software Accessories.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and other charges.</p> <p>2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:</p> <p>2.1. Two (2) Units Laptop with License and Software Accessories</p> <p>2.1.1. Processor: 2.2 GHz (18MB Cache, up to 5.0 GHz, 12 cores, 16 Threads) or Better</p> <p>2.1.2. Graphics: Built-in Graphics or Better</p> <p>2.1.3. Memory: 16GB LPDDR5 on Board or Better</p> <p>2.1.4. Storage: 512GB M.2 NVMe PCIe 4.0 SSD or Better</p> <p>2.1.5. Display: 14.0-inch, 2.8K (2880 x 1800) OLED 16:10 Aspect Ratio, 0.2ms Response Time, 90Hz Refresh Rate, 400nits, 550nits HDR Peak Brightness, 100% DCI-P3 Color Gamut, 1,000,000:1, 1.07 Billion Colors, PANTONE Validated, Glossy Display, 70% Less Harmful Blue Light, Touch Screen, (Screen-to-Body Ratio) 87%, With Stylus Support or Better</p> <p>2.1.6. Standard Ports: -1x USB 3.2 Gen 2 Type-A</p> <p>2.1.6.1. 2x Thunderbolt 4 Supports Display/Power Delivery</p> <p>2.1.6.2. 1x HDMI 2.1 TMDS</p> <p>2.1.6.3. 1x 3.5mm Combo Audio Jack or Better</p> <p>2.1.7. Security Chip: Trusted Platform Module (TPM) 2.0</p> <p>3. WARRANTY AND AFTER-SALES SUPPORT</p> <p>3.1. All units must carry six (6) months warranty for other parts and services that cover 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 that have failed to work after testing within seven (7) calendar days from purchase.</p> <p>3.3. The end-user 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 from 8 AM to 5 PM subject to the availability of the aforementioned.</p> <p>3.3.1. The end-user should receive feedback and responses from the external provider 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 shall be made by the supplier</p>	2	unit	100000.00	200,000.00

within thirty (30) calendar days upon issuance of NTP.

4.2. Payment shall be made only upon certification/acceptance by the 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 Goods not delivered under this Contract.

4.3. The price of the bid must be inclusive of government taxes and other charges.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 1,060,000.00

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.