



**ASTI-FM 03-10
REV 4/ 9 MAR 2022**

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

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	May-10-2024, 2:00 PM		
RFQ No.:	24-05-4800	Date:	May-06-2024
PR No.:	GAA-24-05-19166	Date:	May-03-2024

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.

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Next-Generation Firewall Appliance</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) Lot of Next-Generation Firewall Appliance. The contract's duration shall be for twelve (12) months.</p> <p>1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and service charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Next-Generation Firewall (NGFW) Appliance for DOST-ASTI Local Area Network (LAN), One (1) Unit</p> <p>2.1.1.Performance</p> <p>2.1.1.1. Firewall Throughput: At least 30,000 Mbps</p> <p>2.1.1.2. Firewall Internet Mix (iMIX): At least 16,500 Mbps</p> <p>2.1.1.3. IPS Throughput: At least 6,000 Mbps</p> <p>2.1.1.4. Threat Protection Throughput: At least 1,250 Mbps</p> <p>2.1.1.5. Concurrent Connections: Up to 6,500,000</p> <p>2.1.2. Physical Interfaces</p> <p>2.1.2.1. Storage for local quarantine and logs: minimum 120 GB SSD</p>	1	lot	604800.00	604,800.00

2.1.2.2. Ethernet interfaces: At least 8 x GbE copper, 2 x SFP fiber

2.1.2.3. Management ports: At least 1 x RJ45 MGMT, 1 x COM RJ45, 1 x Micro-USB (cable included)

2.1.2.4. Other I/O Ports: At least two (2) USB 3.0 and at least one (1) USB 2.0

2.1.2.5. Number of Expansion Slots: at least one (1) slot

2.1.2.6. Display: Multi-function LCD module

2.1.3. Other Physical Specifications

2.1.3.1. 1U rackmount

2.1.3.2. Includes two (2) rackmount ears

2.1.4. Firewall Features

2.1.4.1. Zone-based firewall features

2.1.4.2. Firewall, networking, and routing

2.1.4.3. Base traffic shaping quotas

2.1.4.4. TLS 1.3 inspection

2.1.4.5. Application acceleration

2.1.4.6. Centralized management from a single console of the NGFW appliance in DOST-ASTI LAN and the Virtual Private Network (VPN) devices in Electronics Product and Development Center (EPDC) LAN and Research and Development Division (RDD) LAN in UP National Engineering Center (NEC)

2.1.4.7. SD-WAN solution that manages application traffic routing over multiple WAN links and interconnects a distributed network

2.1.4.8. Flexible reporting that combines a variety of built-in reports with powerful tools that the administrator can use to create custom reports

2.1.4.9. Deep packet inspection that scans traffic for threats without a proxy slowing down the process

2.1.4.10. Has lateral movement protection that automatically isolates compromised systems at every point in a network to stop attacks

2.1.4.11. Zero-day protection with dynamic sandbox analysis and threat intelligence analysis

2.1.4.12. Has been built to expose hidden risks, block both known and unknown threats, and automatically respond to incidents.

2.1.4.13. IPsec/SSL site-to-site and remote access virtual private network (VPN)

2.1.4.14. Web protection and control

2.1.4.15. Application protection and control

2.1.4.16. Traffic shaping

2.1.4.17. Next-gen intrusion prevention

2.1.4.18. Extensive network and threat reporting

2.1.4.19. Real-time threat, health, and security information indicator for synchronized security

2.1.4.20. Second independent malware detection engine for dual-scanning

2.1.4.21. Zero Trust Network Access (ZTNA)

2.2. VPN Device for EPDC LAN, One (1) Unit and RDD Extension Office in UP NEC Building, One (1) Unit

2.2.1. Maximum Throughput: 850mbps

2.2.2. LAN Interfaces: At least four (4)

	<p>10/100/1000 Base-TX 2.2.2.1. One (1) GbE copper 2.2.3. WAN Interfaces: At least two (2)</p> <p>10/100/1000 Base-TX 2.2.4. SFP Interfaces: At least one (1) SFP Fiber 2.2.5. Power-over Ethernet Ports: At least two (2)</p> <p>PoE Ports 2.2.6. USB Ports: At least two (2) USB 3.0 2.2.7. COM Ports: At least one (1) Micro-USB 2.2.8. Modular Bay: At least one (1)</p> <p>2.3. Installation and configuration of the NGFW appliance and the VPN devices 2.4. Technical training for three (3) DOST-ASTI personnel 2.5. With readily accessible documentation and/or instruction manuals 2.6. One (1) year license subscription</p> <p>3. TECHNICAL SUPPORT SERVICE 3.1. Technical support should be available at least eight (8) hours from Monday to Friday and has the following response times: 3.1.1. Application is down: Two (2) business hours 3.1.2. Serious degradation: Six (6) business hours 3.1.3. Moderate impact: One (1) business day 3.1.4. Low impact: One (1) - Two (2) business days 3.2. End-user must be able to request technical support by phone, email, or through a website. 3.3. Up to eight (8) sessions of onsite support services within the subscription period 3.4. Access to version upgrades, new releases, bug fixes, and critical security patches, if any, must be made available during the duration of the subscription.</p> <p>4. DELIVERY and PAYMENT TERMS 4.1. The price of the bid must be inclusive of government taxes and all applicable fees. 4.2. Delivery of the software shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed. 4.3. Technical training shall be conducted within ten (10) calendar days upon complete delivery of the items. 4.4. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the end-user.</p>				
2	<p>Network-Attached Storage</p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) unit of Network-Attached Storage, to be used by the MIS Unit for the storage of database and system backup files. 1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and service charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p>	1	unit	59862.00	59,862.00

- 2.1. CPU
 - 2.1.1. AMD Ryzen R1600 dual-core (4-thread) or equivalent
- 2.2. Memory
 - 2.2.1. minimum of 4 GB DDR4 ECC SODIMM which is expandable up to 32 GB
- 2.3. Compatible Drive Types
 - 2.3.1. 4 x 3.5" or 2.5" SATA HDD/SSD
 - 2.3.2. 2 x M.2 2280 NVMe SSD
- 2.4. External Ports
 - 2.4.1. at least 2 x USB 3.2 Gen 1 ports
 - 2.4.2. at least 1 x Expansion port (eSATA)
- 2.5. Form Factor
 - 2.5.1. Desktop
- 2.6. LAN Ports
 - 2.6.1. at least 2 x 1GbE RJ-45
- 2.7. Network Expansion
 - 2.7.1. Supports E10G22-T1-Mini 10GbE RJ-45 Network Upgrade Module
- 2.8. System Fans
 - 2.10.1. two (2) system fans
- 2.11. AC Input Power Voltage
 - 2.11.1. 10 V to 240 V AC
- 2.12. Power Frequency
 - 2.12.1. 50/60 Hz, Single Phase
- 2.13. Supports networking protocols such as, but not limited to SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
- 2.14. File Systems
 - 2.14.1. Internal: Btrfs, ext4
 - 2.14.2. External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
- 2.15. Supports RAID types like SHR, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10
- 2.16. Storage Management
 - 2.16.1. Single Volume Size: At least 108 TB
 - 2.16.2. Number of System Snapshots: At least 65,536
 - 2.16.3. Number of Internal Volumes: At least 64
- 2.17. SSD Cache
 - 2.17.1. Read/Write cache support
 - 2.17.2. M.2 NVMe and 2.5" SATA SSD support
- 2.18. File Sharing Capabilities
 - 2.18.1. Number of Local User Accounts: At least 2,048
 - 2.18.2. Number of Local Groups: At least 256
 - 2.18.3. Number of Shared Folders: At least 512
 - 2.18.4. Number of Concurrent SMB/NFS/AFP/FTP Connections: At least 1,000
- 2.19. Supports security such as, but not limited to Firewall, shared folder encryption, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, and HTTPS (customizable cipher suite)
- 2.20. Supports browsers such as, but not limited to Google Chrome®, Firefox®, Microsoft Edge®, Safari® 13 and later, and Safari (iOS 13.0 and later) on iPad, Chrome (Android™ and later) on tablets
- 2.21. With two (2) units of 2 TB Hard Disk Drives
 - 2.21.1. 3.5 inches

- 2.21.2. SATA 6 GB/s interface
- 2.21.3. 7200 RPM spin speed
- 2.21.4. 256 MB cache
- 2.21.5. At least 300,000 load or unload cycles

3. WARRANTY

3.1. Must carry at least one (1) year warranty.

3.2. Supplier warrants items against defects in manufacturing and shipping and delivery issues.

3.3. Replacement unit should be provided for defective units, seven (7) calendar days upon receipt of notice from the end-user and/or DOST-ASTI Property and Supply Section.

4. TERMS OF DELIVERY AND PAYMENT

4.1. The price of the supplier must be inclusive of government taxes and additional fees.

4.2. Delivery shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

4.3. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 664,662.00

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.