



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

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

<b>IB No:</b>	22-09-4031	<b>Date:</b>	September-21-2022
<b>PR No:</b>	VIROS-22-09-14770   SAR-AIS-22-09-14873   NetMeshR13-22-06-14064 (CONSOLIDATED)	<b>Date:</b>	September-08-2022   September-14-2022   June-15-2022
<b>Source of Funds:</b>			
<b>Total ABC:</b>	Php 3,533,878.40		
<b>Time, Date &amp; Venue of Pre-bid Conference:</b>	October 05, 2022, 9:00 AM at Via videoconferencing		
<b>Time and Date of Submission of Bids:</b>	October 17, 2022, 09:00 AM		
<b>Time, Date &amp; Venue of Opening Bids:</b>	October 17, 2022, 9:30 AM at DOST-ASTI & videoconferencing		
<b>Date of availability of Complete Set of Documents:</b>	September 27, 2022		
<b>Deadline of Potential Bidder's Clarifications:</b>	October 07, 2022		
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b>	October 10, 2022		
<b>Delivery Schedule:</b>			

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,

**EMMANUEL P. BALINTEC**  
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE (Php)	TOTAL PRICE (Php)
1	<p><b>LAPTOP COMPUTER WITH LICENSED SOFTWARE AND ACCESSORIES</b></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 laptop computer with licensed software and accessories.</p> <p>1.2. Said component shall be used as an accessory for the project's prototyping of set-top box</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p>	1	Unit	80,000.00	80,000.00

- 1.4. The technical specifications written herein are of minimum requirement, otherwise stated.
2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:
- 2.1. Laptop Computer with Licensed Software and Accessories
- 2.1.1. Operating System: Microsoft Windows or Unix -Based OS, Dual Boot Capable
- 2.1.2. CPU/Chipset: 6-Core, 12-Thread, 2.7GHz/4.5GHz CPU with appropriate chipset or better
- 2.1.3. Memory: 16GB, 8GB\*2 or better
- 2.1.4. Memory slots: 2x DDR4 Slots (DDR4-3200, Max 64GB)
- 2.1.5. Display: 15.6", 1920x1080 Resolution, 144Hz Refresh Rate or better
- 2.1.6. Graphics: 6GB GDDR6 Boost Clock 1425 MHz, Maximum Graphics Power 105 W or better
- 2.1.7. Audio: 2x 2-Watt Speaker, DTS: X Ultra or better
- 2.1.8. Storage: 512GB PCIE SSD or better
- 2.1.9. Webcam: HD Camera or better
- 2.1.10. Network and Connectivity: Wireless (802.11ax, a/b/g/n/ac/ax compatible) or better
- 2.1.11. Battery: 48.96mAh or better
- 2.1.12. Power Adapter: 180W
- 2.1.13. Input Methods: Dual Array Microphone or better, Keyboard All-zone of Single Colored Backlit Keyboard with 15 Colors LED Setting, English or better, touchpad
- 2.1.14. Standards Compliance: Firmware-based TPM or better
- 2.1.15. Color: Preferably Dark Colors
- 2.1.16. Weight: ~2.18kg/4.81lb or lighter
- 2.1.17. Warranty: Manufacturer's warranty via supplier
- 2.1.18. Other Features: Has standard ports (1x USB2.0 Type-A, 1x USB3.2 Gen1 Type-A, 1x USB3.2 Gen2 Type-A, 1x DisplayPort 1.4 Type-C over USB 3.2 Gen 2, 1x HDMI 2.0 (with HDCP), 1x mini-DP 1.2, 1x Audio combo jack, 1x Microphone jack, 1x SD Card Reader, 1x DC-in Jack, 1x RJ-45) or better
- 2.1.19. Accessories: Laptop bag, mouse
3. WARRANTY AND AFTER SALES SUPPORT
- 3.1. All units must carry one (1) year 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.
- 3.2.1. 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.
- 3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can 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)

	<p>hours after the inquiry or concern was made.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (45) calendar days upon issuance of Notice to Proceed.</p> <p>4.2. Laptop computer with licensed software and accessories must be brand new and unused.</p> <p>4.3. 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>4.4. The price of the bid must be inclusive of government tax and fees.</p>				
2	<p><b>LAPTOPS, THREE (3) UNITS</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The SAR with AIS Project is seeking qualified and competent bidders for the Supply and Delivery of Three (3) Image Processing Laptops, for technical use.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and service charges.</p> <p>1.3. The technical specifications indicated herein are minimum requirements unless otherwise specified.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Processor: 12th Generation Intel Core i7-1260P Processor (2.1GHz base, up to 4.7GHz Boost, 18MB L3 Cache, 12 cores/16 threads)</p> <p>2.2. Operating System: Windows 11 Pro 64</p> <p>2.3. Display: 15" FHD (1920 x 1080), IPS, Anti-Glare, 300 Nits, 100% sRGB</p> <p>2.4. Memory: 2x8 GB SO-DIMM DDR4-3200MHz</p> <p>2.5. Storage: At least 512GB SSD M.2 2280 PCIe 3.0x4 NVMe</p> <p>2.6. Graphics: NVIDIA RTX 3060 6GB GDDR6, Clock: 1282 / 1485MHz, TGP 90W</p> <p>2.7. Camera: 720P HD with Privacy Shutter</p> <p>2.8. WLAN + Bluetooth: Intel Wi-Fi 6E AX211 (2x2) &amp; Bluetooth 5.2</p> <p>2.9. Ports:</p> <p>2.9.1. At least two (2) USB-A 3.2 Gen 1</p> <p>2.9.2. At least one (1) USB-C 3.2 Gen 1</p> <p>2.9.3. One (1) HDMI 2.1</p> <p>2.9.4. One (1) Ethernet (RJ-45)</p> <p>2.9.5. One (1) Headphone / Microphone Jack (3.5mm)</p> <p>2.10. Accessories:</p> <p>2.10.1. Each unit must include at least one (1) power cable (UK Type G Variant).</p> <p>2.10.2. Each unit must include a wireless mouse and a laptop bag.</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. Warranty: Three (3) years premier support</p> <p>3.2. All units must carry a one (1) year warranty for other parts and services that covers defects in materials and workmanship.</p> <p>3.3. Replacement units should be provided for defective units, fifteen (15) days upon receipt of notice from End-users / DOST-ASTI Property and Supply Section.</p> <p>3.4. Defective units may be defined as units not working upon testing or units that have failed to work after testing</p>	3	Unit	84,678.00	254,034.00

	<p>within seven (7) calendar days from purchase.</p> <p>3.5. End-users must be able to request technical support by phone or email.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. Delivery of goods and/or performance of services shall be made by the supplier within sixty (60) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Testing upon delivery may be conducted in the presence of the end-user or a representative of the end-user.</p> <p>4.3. Both delivery and testing must be conducted within the delivery terms specified.</p> <p>4.4. Payment shall be made only upon certification/acceptance by End-user to the affect 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 the services not yet rendered or for the supplies and material not yet delivered under this Contract.</p> <p>4.5. The price of the bid must be inclusive of government taxes and fees.</p>				
3	<p><b>LAPTOPS, THREE (3) UNITS</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The SAR with AIS Project is seeking qualified and competent bidders for the Supply and Delivery of Three (3) Laptops, for administrative use.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and service charges.</p> <p>1.3. The technical specifications indicated herein are minimum requirements unless otherwise specified.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Processor: 12th Generation Intel Core i5-1240P Processor (1.7GHz base, up to 4.4GHz Boost, 12MB L3 Cache, 12 cores/16 threads)</p> <p>2.2. Operating System: Windows 11 Pro 64</p> <p>2.3. Display: 13.3" FHD (1920 x 1080), IPS, Anti-Glare, 300 Nits, 100% sRGB</p> <p>2.4. Memory: At least 8 GB SO-DIMM DDR4-3200MHz</p> <p>2.5. Storage: 512GB SSD M.2 2280 PCIe 3.0x4 NVMe</p> <p>2.6. Graphics: NVIDIA GeForce MX570 2GB DDR6</p> <p>2.7. Camera: 720P HD with Privacy Shutter</p> <p>2.8. WLAN + Bluetooth: Intel Wi-Fi 6E AX211 (2x2) &amp; Bluetooth 5.2</p> <p>2.9. Ports:</p> <p>2.9.1. At least one (2) USB-A 3.2 Gen 1</p> <p>2.9.2. At least one (1) USB-C 3.2 Gen 1</p> <p>2.9.3. One (1) HDMI 2.1</p> <p>2.9.4. One (1) Ethernet (RJ-45)</p> <p>2.9.5. One (1) Headphone / Microphone jack (3.5mm)</p> <p>2.10. Accessories</p> <p>2.10.1. Laptop bag</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b></p> <p>3.1. Warranty: Three (3) years premier support</p> <p>3.2. All units must carry a one (1) year warranty for other parts and services that covers defects in materials and workmanship.</p> <p>3.3. Replacement units should be provided for defective units, fifteen (15) days upon receipt of notice from End-users / DOST-ASTI Property and Supply Section.</p> <p>3.4. Defective units may be defined as units not working upon testing or units that have failed to work after testing</p>	3	Unit	66,990.00	200,970.00

	<p>within seven (7) calendar days from purchase.</p> <p>3.5. End-users must be able to request technical support by phone or email.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. Delivery of goods and/or performance of services shall be made by the supplier within sixty (60) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Testing upon delivery may be conducted in the presence of the end-user or a representative of the end-user.</p> <p>4.3. Both delivery and testing must be conducted within the delivery terms specified.</p> <p>4.4. Payment shall be made only upon certification/acceptance by End-user to the affect 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 the services not yet rendered or for the supplies and material not yet delivered under this Contract.</p> <p>4.5. The price of the bid must be inclusive of government taxes and fees.</p>				
4	<p><b>NETWORK SERVER, ONE (1) LOT</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The SARwAIS Project is seeking qualified and competent bidders for the Supply and Delivery of One (1) Lot Network Server.</p> <p>1.2. The SARwAIS Project is interested in procuring system units to provide a highly available and redundant firewall system to monitor and secure internet traffic to and from the ASTI ground receiving station.</p> <p>1.3. The ABC is inclusive of all applicable government taxes and service charges.</p> <p>1.4. The technical specifications indicated herein are minimum requirements, unless otherwise specified.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Two (2) System Units with the following specifications:</p> <p>2.1.1. Processor: 64-bit supported with 6 cores, 12 threads, 12MB cache and 90 GHz frequency, up to 4.30 GHz on turbo model</p> <p>2.1.2. Memory</p> <p>2.1.2.1. Two (2) UDIMM slots</p> <p>2.1.2.2. Two (2) 4GB, DDR4, 2666 MHz RAM</p> <p>2.1.2.3. Expandable for up to 64GB total memory</p> <p>2.1.2.4. Storage: 1TB 7200RPM 3.5" SATA HDD</p> <p>2.1.3. Ports:</p> <p>2.1.3.1. LAN: At least five (5) Ethernet 1/10GbE ports</p> <p>2.1.3.2. Display: At least 1 HDMI out and 1 DVI port out</p> <p>2.1.3.3. USB: At least 2x USB 3.2 Gen 1 Type-A ports</p> <p>2.1.3.4. USB: At least 2x USB 2.0 Type-A ports</p> <p>2.1.4. Slots:</p> <p>2.1.4.1. At least one (1) full-height Gen 3 PCIe x16 slot</p> <p>2.1.4.2. Storage: 2 SATA slots for 3.5-inch HDD and 2.5-inch HDD/SSD</p> <p>2.1.4.3. Graphics Card: Integrated graphics compatible with processor</p> <p>2.1.4.4. Dimensions: Height 290 mm (11.42 in.), width 92.6 mm (3.65 in.), depth 92.6 mm (3.65 in.)</p>	1	Lot	114,180.00	114,180.00

	<p>2.1.5. Power</p> <p>2.1.5.1. Type: D9 200 W EPA Bronze</p> <p>2.1.5.2. Input Voltage: 90-264 VAC</p> <p>2.1.5.3. Input Frequency: 47-63 Hz</p> <p>2.1.5.4. Input Current: Maximum 3.20 A</p> <p>2.1.5.5. Operating Temperature: 5°C to 45°C (41°F to 113°F)</p> <p>2.1.5.6. Storage Temperature: -40°C to 70°C (-40°F to 158°F)</p> <p>2.1.5.7. Operating system, monitor, keyboard, and mouse are not required</p> <p>3. GENERAL REQUIREMENTS AND WARRANTY</p> <p>3.1. Warranty: At least one (1) year of hardware service for parts and labor with in-home/onsite service after remote diagnosis</p> <p>3.2. Desktop units can be customized or pre-built but must still comply with technical specifications.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Contract price must be inclusive of government fees and taxes, delivery, handling, and other miscellaneous costs.</p> <p>4.2. The contract shall be paid upon delivery of complete items.</p> <p>4.3. Delivery shall be made within sixty (60) calendar days from issuance of NTP.</p>				
5	<p><b>NETWORK SWITCH 2</b></p> <p>Supply and delivery of Network Switch</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 a network switch to be used as a core switch for the regional network operations segment of PREGINET.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications indicated herein are minimum requirements unless otherwise specified.</p> <p>1.4. Quantity: One (4) units of Network Switch</p> <p>2. TECHNICAL SPECIFICATIONS:</p> <p>2.1. The system must have the following performance and capacity:</p> <p>2.1.1. Comes with 48 x 1GbE/10GbE/25GbE (SFP/SFP+/SFP28) ports.</p> <p>2.1.2. Comes with 2 x 40G QSFP+ and 4 x 100G QSFP28</p> <p>2.1.3. Supports a minimum of 1.92 Tbps of packet switching capacity.</p> <p>2.1.4. Power Supply support dual redundant 2 (1+1) Hot-swappable</p> <p>2.1.5. Redundant Fan 4 (3+1) Hot-swappable</p> <p>2.1.6. Airflow: Front-to-Back</p> <p>2.2. Software Features</p> <p>2.2.1. The proposed network switch must support the following L2 Switching features:</p> <p>2.2.1.1. Support full duplex, half duplex, auto-neg duplex, auto-neg port speed</p> <p>2.2.1.2. Support Jumbo Frame</p> <p>2.2.1.3. Support Flow Control</p> <p>2.2.1.4. Support Storm Control; Port-Block; Port-Isolate</p> <p>2.2.1.5. Support L2 Protocol Tunneling</p> <p>2.2.1.6. Support 4094 VLANs</p> <p>2.2.1.7. Support QinQ and</p>	1	Lot	2,884,694.40	2,884,694.40

## VLAN Mapping

2.2.1.8. Support Static/Dynamic MAC Address

2.2.1.9. Support Link Aggregation

2.2.1.9.1. Dynamic load balancing (DLB)

2.2.1.9.2. Round Robin (RR) 2.2.1.10. Support LACP

2.2.1.11. Support STP/RSTP/MSTP Protocol

2.2.1.12. Support STP Protocol Protection

2.2.1.12.1. BPDU Filter/Guard, Root Guard, Loop

Guard, Anti TC-BPDU attack

2.2.1.13. Support ERPS ring

2.2.1.14. Support G.8021, G.8032

2.2.1.15. Support BFD, VRRP, MLAG, Ethernet OAM (IEEE802.3ah and IEEE802.1ag)

2.2.1.16. Support hardware Watch Dog

2.2.1.17. Supports ARP 2.2.2. Supports the following L3 features:

2.2.2.1. IPv4 Forwarding

2.2.2.1.1. Supports VRF, uRFC check, RIPv1, RIPv2,

OSPFv2, ISIS 2.2.2.1.2. Support BGP 2.2.2.1.2.1.

Support Route-map and Prefix list 2.2.2.1.2.2. Support

Policy-based Routing (RTB) 2.2.2.1.3. Support ICMP

redirect, ICMP unreachable message

2.2.2.1.4. Support PMTU, ECMP

2.2.2.2. IPv6 Forwarding

2.2.2.2.1. Supports ICMPv6, NDP, PMTI

2.2.2.2.2. Supports RIPv6, OSPFv3, and ISIS

2.2.2.2.3. Support IPv6 over IPv4 Tunnel, 6to4 Tunnel, ISTAP Tunnel

2.2.2.2.4. Support IPv6 Prefix list

2.2.2.2.5. Support DHCPv6

2.2.2.3. With MPLS (Multi Protocol Switching Protocol) support

2.2.2.3.1. Support MPLS forwarding, VPWS, VPLS

2.2.2.3.2. Support MPLS OAM, Stats

2.2.2.3.3. Support L3VPN

2.2.2.3.4. Support MPLS ACL

2.2.2.3.5. Support MPLS QoS

2.2.3. Supports the following QoS Features:

2.2.3.1. Support traffic classification based on COS/DSCP

2.2.3.2. Support traffic classification based on ACL

2.2.3.3. Support queue scheduling based on traffic classification

2.2.3.4. Support remark the priority fields (COS/DSCP) of the packet

2.2.3.5. Support flow redirection, flow mirror, traffic policing, traffic shaping, traffic statistics

2.2.3.6. Support flow mirror

2.2.3.7. Support WRED (Weighted Random Early Detection)

2.2.3.8. Support ECN tags based on TD, WRED, and shape rate

2.2.4. Supports the following Security Features: 2.2.4.1.

Support SSH 2.2.4.2. Support Radius, TACAS+, AAA

2.2.4.3. Support port-based dot1x and MAC-based

dot1x 2.2.4.4. Support access control list (ACL)

2.2.4.5. Support traffic classification based on source and destination IP/Source and destination MAC/Source and destination layer for protocol num/VLAN ID

2.2.4.6. Support ARP inspection

2.2.4.7. Support IP source guard

2.2.4.8. Support port security to limit the MAC address learning on the interface

2.2.4.9. Support VLAN security to limit the MAC address learning on the interface

2.2.4.10. Support CPU traffic limit

2.2.4.11. Support Prevent DDOS attack

2.2.4.12. Support ACL filtering Telnet/SSH login

2.2.4.13. Support Link-Flapping detection

2.2.5. Support the following configuration and maintenance:

2.2.5.1. Support RMON, sFlow, IPFIX, Latency/Buffer Monitor

2.2.5.2. Support EFD (Elephant Flow Detection)

2.2.5.3. Support Network Time Protocol (NTP)

2.2.5.4. Support port Errdisable state detection and recovery

2.2.5.5. Support configure static DNS client

2.2.5.6. Support LLDP

2.2.6. Support the following management features:

2.2.6.1. Support inband and outbound management ports

2.2.6.2. Support Network Management based on SNMPv1/v2c/v3

2.2.6.3. Support configuration and management based on WEB UI

2.2.6.4. Support configuration and management based on RPC-API

2.2.6.5. Support SmartConfig (Automatically configuration when system start)

2.2.6.6. Support upgrade with the local image file/remove TFTP server

2.2.6.7. Support online upgrade

2.3. Certifications

2.3.1. Proposed switch must be Reduction of Hazardous Waste (RoHS) certified.

3. ACCESSORIES:

3.1. Manufacturer's mounting kit

3.2. Two (2) C13 power cables rated for 220V

3.3. Console Cable

3.4. Grounding Cable

3.5. Documentation manual

4. AFTERSALES/TECHNICAL SUPPORT SERVICE

4.1. Service Request

4.1.1. End-user must be able to request technical support by phone or email or through a website

4.1.2. Onsite technical support may be requested for special cases or critical severity issues

4.2. Response Time

4.2.1. 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:

4.2.2. Four (4) business hours, and updates every three (3) business days for critical severity issues that impact a high number of staff

4.2.3. Eight (8) business hours, and updates every five (5) business days for high severity issues that incur serious degradation to application performance or functionality

4.2.4. Twenty-Four (24) business hours, and updates by request for medium severity issues that moderately impact user operations

4.2.5. Forty-Eight (48) business hours, and updates by request for low priority issues such as inquiries or issues with limited impact on user operations

5. DOCUMENTARY REQUIREMENTS

5.1.1. The equipment manufacturer must possess ISO certification (or any equivalent certification) that guarantees that quality measurement practices govern their production process. The bidder must submit documentary proof of ISO certification of the offered brands issued by accredited registrars or any equivalent certification body.



5.1.2. 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. WARRANTY SERVICE**

6.1. Coverage: Three (3) year 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 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.

**7. DELIVERY AND PAYMENT TERMS**

7.1. Delivery of the Network Switch 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 Network Switch has been delivered in accordance with the terms of this contract and has been duly inspected. No payment shall be made for services not yet rendered or for Goods, supplies, and materials not yet delivered under this contract.

7.3. Other Delivery terms: With Seven (7) working days testing period to check for manufacturer defects before the acceptance.

**TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):**

**Php 3,533,878.40**

**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.