



ASTI-FM 03-11
REV 0/2 APR 2018

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

ITB No:	19-09-2694	Date:	September-13-2019
PR No:	NetMeshR4-19-09-8461	Date:	August-20-2019
Source of Funds:			
Total ABC:		Php 1,500,000.00	
Time, Date & Venue of Pre-bid Conference:		September 23, 2019, 1:30 PM at DOST-ASTI	
Time and Date of Submission of Bids:		October 07, 2019, 12:00 PM	
Time, Date & Venue of Opening Bids:		October 07, 2019, 1:30 PM at DOST-ASTI	
Date of availability of Complete Set of Documents:		September 13, 2019	
Deadline of Potential Bidder's Clarifications:		September 27, 2019	
Deadline of ASTI's Supplemental Bid Bulletin:		September 30, 2019	
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,


PEDRITO B. MANGAHAS
Chairperson, BAC-1

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	Wireless Network Equipment Delivery, Installation, and Configuration of WiFi Network 1. Access Points (AP) (18 units) 1.1. 18 units that can provide a reliable wireless network connection to the devices in all 3 floors of the DOST-ASTI building 1.2. Compliance with IEEE 802.11a/b/g/n/ac/ac Wave 2 1.3. Minimum of 2x2 single-user MIMO and 2x2 multiple-user MIMO 1.4. Peak Transmit Power 1.4.1. 2.4GHz: at least 20dBm 1.4.2. 5GHz: at least 19dBm 1.5. 2 x 10/100/1000M Ethernet interfaces (PoE in at least one interface) 1.6. IPv4 and IPv6 support 1.7. Client load balancing based on user quantity and	1	lot	1500000.00	1,500,000.00

ASTI Bldg., U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101

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<p>traffic volume</p> <p>1.8. Smart roaming technology that will allow devices to connect to APs with stronger signal</p> <p>1.9. 802.1Q support (static and dynamic VLAN assignment)</p> <p>1.10. Security standards: 802.11i, 802.1x, WPA, WPA2, PEAP</p> <p>1.11. One (1) year upgrade license for each access point</p> <p>2. Wi-Fi Controller (1 unit)</p> <p>2.1. The WiFi network will be managed through a physical Wi-Fi controller</p> <p>2.2. Dynamic RF channel and power management</p> <p>2.3. Can be configured through a web user interface and CLI</p> <p>2.4. L2 or L3 auto-discovery of access points</p> <p>2.5. Should be licensed for at least 20 access points</p> <p>3. Power-over-Ethernet (POE) Switch (1 unit)</p> <p>3.1. 24 Ethernet ports</p> <p>3.2. Managed switch</p> <p>19" rack-mountable</p> <p>4. Must include materials for the structured cabling and mounting of access points, controller and switch</p> <p>5. One (1) Day Knowledge Transfer for up to 5 system administrators</p> <p>6. Technical Support for 1 year</p> <p>7. Warranty: 1 year</p> <p>8. Provide Wi-Fi heat map after installation and configuration</p> <p>9. Delivery, deployment and knowledge transfer should be accomplished within 45 days upon NTP issuance.</p> <p>10. Requirements for Deployment</p> <p>10.1. All 18 units deployed in 3 Floors of the DOST-ASTI Building, depending on the proposed network layout</p> <p>10.2. POE switch deployed</p> <p>10.3. Controller deployed (if applicable)</p> <p>10.4. Enabled IPv4 / IPv6 addressing (Note: DOST-ASTI will provide the IP Addresses)</p> <p>10.5. Two (2) SSIDs to be provided by DOST-ASTI</p> <p>10.6.VLAN configuration (Note: VLAN IDs to be provided by DOST-ASTI)</p> <p>10.7. Interconnection with Firewall / Router via managed switch (Note: Firewall / Router and managed switch will be provided by DOST-ASTI)</p> <p>11. Requirements for Final Acceptance:</p> <p>11.1. To-Be Plan (Network Layout)</p> <p>11.2. As-Built Plan (Network Layout)</p> <p>11.3 Wi-Fi Heat Map (Network Layout)</p> <p>11.4. Configuration Documentation</p> <p>11.5. Knowledge Transfer</p> <p>11.6.Final Inspection Report</p>					
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):					Php 1,500,000.00
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.					