



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

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

<b>ITB No:</b>	21-11-3701	<b>Date:</b>	November-26-2021
<b>PR No:</b>	GAA-21-09-12261	<b>Date:</b>	November-18-2021
<b>Source of Funds:</b>			
<b>Total ABC:</b> Php 5,077,500.00			
<b>Time, Date &amp; Venue of Pre-bid Conference:</b> December 09, 2021, 9:00 AM at Via videoconferencing			
<b>Time and Date of Submission of Bids:</b> December 21, 2021, 09:30 AM			
<b>Time, Date &amp; Venue of Opening Bids:</b> December 21, 2021, 10:00 AM at DOST-ASTI and Videoconferencing			
<b>Date of availability of Complete Set of Documents:</b> December 01, 2021			
<b>Deadline of Potential Bidder's Clarifications:</b> December 11, 2021			
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b> December 14, 2021			
<b>Delivery Schedule:</b>			

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](http://www.asti.dost.gov.ph)

For further inquiries, contact ASTI's BAC Secretariat via email at [bac-sec@asti.dost.gov.ph](mailto: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><b>Local Transport - UP Mintal, Mindanao 1Gbps from Jan 1 - Dec 31, 2022</b></p> <p>1. General Statement / Background / Objectives</p> <p>1.1. The Advanced Science and Technology Institute (herein referred as to the "Institute") is seeking for qualified and competent bidders for the Supply, Delivery and Installation of the Local Transport from the specified destination points for UP Mindanao - Mintal within the specified duration.</p> <p>1.2. The specs written herein are of minimum requirements, unless otherwise stated.</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges (eg. VAT, OTC, termination, duties, etc)</p> <p>1.4. Quantity/Duration: 12 months or upon link</p>	12	month	423125.00	5,077,500.00

acceptance until December 31, 2022

1.5. Monthly Recurring Charge (MRC): 423,125.00 php

## 2. Technical Specifications

### 2.1. Termination Points:

#### 2.1.1. Point A:

2.1.1.1. From: DOST-ASTI

2.1.1.2. ASTI Bldg. CP Garcia Ave., UP Campus, Diliman, Quezon City

#### 2.1.2. Point B:

2.1.2.1. To: UP Mindanao – Mintal

2.1.2.2. Address: University of the Philippines Mindanao-Mintal, 1/F UP Mindanao Mintal, Brgy. Mi Tugbok District, Davao City, Davao Del Sur 8000

2.2. Technology: Fiber

2.3. Bandwidth (BW): 1Gbps

2.4. Facility: Fiber Optic Cable (FOC) Technology

2.5. Interface: Fiber/Fast Ethernet media converted to RJ45

2.6. Provide network diagram of implementation. Indicate autonomous system number (ASN) in the diagram.

2.7. Must allow dynamic routing protocols such as OSPF, BGP, ISIS, etc.

2.8. End-to-end provider/client routers are already IPv6 capable but the third-party-provided link must allow the IPv6 traffic of the routers.

2.9. Ocular inspection is not required. However, during the supply and delivery of this item, please coordinate with Mr. Mark Henry Quilala (marqui@asti.dost.gov.ph) and Ops Team (ops@pregi.net) for the schedule and permits.

2.10. Service provider must peer with PhOpenIX by:

2.10.1. Announcing all prefixes under the AS number that they own thru a bilateral peering with the PhOpenIX; and

2.10.2. Preferring routing from their network to other members thru their PhOpenIX link, as opposed to routing it via transit links.

2.11. Shall also maintain good network performance and provisions upgrade to the next higher port upon reaching 70% utilization.

2.12. The active equipment of the Winning Bidder should fit in a standard 19-inch two-post rack. The equipment should have a maximum weight of 20kg.

2.13. The active equipment including external Power Supply unit (PSU) must have a maximum height of 3.504in (2RU), maximum length of 17.5in, and maximum depth of 14in.

2.14. The active equipment must have dual AC power supplies that is built-in to the active equipment. If it is a separate power supply, the Winning Bidder should factor in the size of the power supply with the total equipment dimensions mentioned in 2.15.

2.15. The active equipment's power supply should have an average power use of 212 watts (or lower) for each power supply. It should have a maximum power use of 300 watts per power supply.

2.16. The distribution unit (ODF, IDF) of the Winning Bidder for either their copper or fiber build-out going into the network room of the two points of the network should have a maximum size of 1.752in (1RU) and maximum length of 17.5in. The depth is optional. The ODF/IDF should fit into a standard 19-inch two-post rack.

2.17. The fiber / copper cable run should route thru the cable-conduits that are already in place at the building of both network points. If there is no established cable-route, the winning bidder should submit a proposed cable-route plan, before the contract is awarded. If there is an existing cable-node, but there is no more space, the Winning Bidder should provision their own conduit on the current cable-path.

2.18. However, if the contractor has existing active equipment installed at any termination point, they must use it instead of installing another equipment. If the existing equipment can't accommodate the new link, the contractor should upgrade the existing equipment

2.19. Link handover details:

2.19.1. Handover for links that are 1Gbps and smaller should be copper / electrical RJ45.

2.19.2. Handover for links greater than 1Gbps should be single-mode fiber with an LC or SC connector. Please check with the end-user if the available fiber port is LC or SC.

2.20. Winning Bidder should provide a clear-channel layer 2 point to point link.

2.21. Once the link has been delivered and installed, testing shall commence.

2.21.1. With seven (7) calendar days monitoring period for stability of link from the time all technical issues are resolved, and link is ready for acceptance.

2.22. Requirements for Link Acceptance:

2.22.1. Approved test results between End-User and Winning Bidder

2.22.2. Accomplished Service Acceptance form to signify compliance

2.23. Subject to possible renewal

### 3. Technical Support Service

3.1. Technical Support service must be available twenty-four (24) hours in seven (7) days (including) holidays

3.2. Service Request

3.2.1. End-user must be able to request technical support by phone or email.

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

3.3. Winning Bidder Technical Support Team

3.3.1. Should provide updated escalation matrix with contact details

3.3.2. Must have a specified single point of contact for technical support related concerns

3.3.3. Response Times

3.3.3.1. Feedback must be within two (2) hours, and provide updates within the day for critical severity issues that impact a high number of staff

3.3.3.2. Feedback must be within six (6) hours, and provide updates every two (2) days for high

severity issues that incur serious degradation to application performance or functionality

3.3.3.3. Feedback must be within twenty-four (24) hours, and provide updates by request for medium severity issues that moderately impact user operations

3.3.3.4. Feedback must be within forty-eight (48) hours, and provide updates by request for low priority issues such as inquiries or issues with limited impact to user operations. Other documentary requirements

4. Other documentary requirements:

4.1. Quality Management System: Prospective bidders need to supply documentary proof (ISO or equivalent) which certifies the quality management practices of the manufacturer of the service being procured.

4.2. Prospective bidders must provide document / proof that link is serviceable and has available capacity to accommodate this link to avoid delays in implementation.

5. Payment and Delivery Terms

5.1. The service must be delivered within sixty (60) calendar days upon issuance of Notice to Proceed (NTP).

5.2. Other Delivery Terms:

5.2.1. Time of installation of the contractor for the network infrastructure on both network points should be within office hours, 8:00AM to 5:00PM, Mondays to Fridays, excluding public holidays.

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

**Php 5,077,500.00**

**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.