



**ASTI-FM 03-11**  
**REV 2/30 APR 2024**

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

<b>IB No:</b>	24-10-5049	<b>Date:</b>	October-29-2024
<b>PR No:</b>	INNOVATE-24-09-19858	<b>Date:</b>	September-06-2024
<b>Source of Funds:</b>			
<b>Total ABC:</b>	Php 18,000,000.00		
<b>Time, Date &amp; Venue of Pre-bid Conference:</b>	November 07, 2024, 9:00 AM at Videoconferencing (MS Teams)		
<b>Time and Date of Submission of Bids:</b>	November 19, 2024, 09:00 AM		
<b>Time, Date &amp; Venue of Opening Bids:</b>	November 19, 2024, 9:30 AM at ASTI and Videoconferencing (MS Teams)		
<b>Date of availability of Complete Set of Documents:</b>	October 31, 2024		
<b>Deadline of Potential Bidder's Clarifications:</b>	November 09, 2024		
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b>	November 12, 2024		
<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,

**BAYANI BENJAMIN R. LARA**  
*BAC Chairperson*

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<b>Commodity Internet - Philippines Primary 10Gbps</b> General Overview 1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Commodity Internet (Philippines) Primary Link. 1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and service charges, e.g., Value Added Tax (VAT), One-time Charges (OTC), termination, and pre-termination charges, cross-connection fees, duties, etc. 1.3. Quantity / Duration: Nine (9) months, particularly	9	month	1000000.00	9,000,000.00

from 01 April 2025 to 31 December 2025

1.4. Monthly Recurring Charge (MRC): PhP 1,000,000.00

## 2.0. Technical Specifications

### 2.1. Termination Points

2.1.1. From: DICT Central Office

2.1.2. Address: DICT C.P. Garcia Ave. UP Campus, Diliman, Quezon City 1101

2.2. Technology: Ethernet Circuit Capacity

2.3. Bandwidth: 10Gbps

2.4. Facility: Fiber Optic

2.5. Interface: Gigabit Ethernet

2.5.1. 99.5% network availability

2.5.2. Provide access to a looking glass with a full view of routes learned and advertised

2.5.3. Must allow remotely triggered blackhole techniques using BGP communities

2.5.4. Must provide a web-based BW utilization monitoring to the End-user

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

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

2.8. Ocular inspection is recommended. Please coordinate with DOST-ASTI's Bids and Awards Committee Secretariat at bac-sec@asti.dost.gov.ph, for the site survey schedule and permits.

2.9. Service Provider must peer with PhOpenIX by:

2.9.1. Announcing all prefixes under the ASN that they own thru a bilateral peering with the PhOpenIX; and

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

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

2.11. The active equipment of the service provider should fit in a standard 19-inch two-post rack. The equipment should have a maximum weight of 20kg.

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

2.13. 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 service provider should factor in the size of the power supply with the total equipment dimensions mentioned in 2.13.

2.14. 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.

2.15. The distribution unit (ODF, IDF) of the service provider 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.

2.16. 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 service provider 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 service provider should have a provision of their own conduit on the current cable-path.

2.17. However, if the service provider has existing active equipment installed at any termination point, they must use it instead of installing another equipment. If the existing equipment cannot accommodate the new link, the service provider should upgrade the existing equipment.

2.18. Link handover details:

2.18.1. Handover for links that are 100Mbps and below should be copper / electrical RJ45.

2.18.2. Handover for links greater than 1Gbps should be single-mode fiber with an LC or SC connector for End-user confirmation.

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

2.19.1. 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.

2.20. Requirements for Link Acceptance:

2.20.1. Approved test results between End-user and Service Provider

2.20.2. Accomplished Service Acceptance form to signify compliance

### 3.0. Technical Support Service

3.1. Technical Support service must be available 24/7 (including) holidays.

3.2. Service Provider Technical Support Team

3.2.1. Should provide updated escalation matrix with contact details

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

3.3. Refer to the attached Service Level Agreement (SLA) for further details of the expected technical support services.

### 4.0. 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 services 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.

### 5.0. Contract Duration & Extension, Renewal and Amendment

5.1. The term of the contract shall be for nine (9) months, from 01 April 2025 or upon link acceptance until 31 December 2025.

	<p>5.2. Contract may be extended, renewed, and amended based on the Guidelines on Procurement of Water, Electricity, Telecommunications and Internet Service Providers and Guidelines on the Renewal of Regular and Recurring Services and availability of funds.</p> <p>6.0. Payment and Delivery Terms</p> <p>6.1. The goods or service must be delivered on or before 01 April 2025.</p> <p>6.2. Time of installation of the contractor for the network infrastructure on both network points should be within office hours, 8:00 AM to 5:00 PM, Mondays to Fridays, excluding public holidays.</p> <p>6.3. The service provider must furnish DOST-ASTI monthly statement of accounts (SOAs) and observe provisions under the Contract.</p>				
2	<p><b>Commodity Internet - Philippines Secondary 10Gbps</b></p> <p>General Overview</p> <p>1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Commodity Internet.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and service charges, e.g., Value Added Tax (VAT), One-time Charges (OTC), termination, and pre-termination charges, cross-connection fees, duties, etc.</p> <p>1.3. Quantity / Duration: Nine (9) months, specifically for 01 April 2025 to 31 December 2025</p> <p>1.4. Monthly Recurring Charge (MRC): PhP 1,000,000.00</p> <p>2.0. Technical Specifications</p> <p>2.1. Termination Points</p> <p>2.1.1. Point A</p> <p>2.1.1.1. From: DOST-ASTI</p> <p>2.1.1.2. Address: C.P. Garcia Ave, Diliman, Quezon City,</p> <p>2.2. Technology: Ethernet Circuit Capacity</p> <p>2.3. Bandwidth: 10Gbps</p> <p>2.4. Facility: Fiber Optic</p> <p>2.5. Interface: Gigabit Ethernet</p> <p>2.5.1. 99.5% network availability</p> <p>2.5.2. Provide access to a looking glass with a full view of routes learned and advertised</p> <p>2.5.3. Must allow remotely-triggered blackhole techniques using BGP communities</p> <p>2.5.4. Must provide a web-based BW utilization monitoring to the End-user</p> <p>2.6. Provide network diagram of implementation. Indicate autonomous system number (ASN) in the diagram.</p> <p>2.7. Must allow dynamic routing protocols such as OSPF, BGP, ISIS, etc.</p> <p>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.</p> <p>2.9. Ocular inspection is recommended. Please</p>	9	month	1000000.00	9,000,000.00

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2.19.2. Handover for links greater than 1Gbps should be single-mode fiber with an LC or SC connector for End-user confirmation.

2.20. Service provider should provide a clear-channel layer 2 point to point link, without any layer 3 routing elements along the network path.

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 Service Provider

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

6.3. The service provider must furnish DOST-ASTI monthly statement of accounts (SOAs) and observe provisions under the Contract.

6.3.1. The SOAs shall be delivered twenty (20) calendar days right after the billing cut-off.

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

**Php 18,000,000.00**

**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.