



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

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

IB No:	25-04-5180	Date:	April-29-2025
PR No:	INNOVATE-25-01-20592	Date:	2025-03-10
Source of Funds:	Information Network for Open and Viable Applications and Technology Exchange (InNOVATE)		
Total ABC:	Php 12,228,948.90		
Time, Date & Venue of Pre-bid Conference:	May 07, 2025, 9:00 AM at Videoconferencing (MS Teams)		
Time and Date of Submission of Bids:	May 19, 2025, 9:00 AM		
Time, Date & Venue of Opening Bids:	May 19, 2025, 9:30 AM at ASTI and via Videoconferencing (MS Teams)		
Date of availability of Complete Set of Documents:	April 30, 2025		
Deadline of Potential Bidder's Clarifications:	May 09, 2025		
Deadline of ASTI's Supplemental Bid Bulletin:	May 12, 2025		
Delivery Schedule:			

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*

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,

**JEFFREY A. ABOROT**  
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<b>Local Transport - University of the Philippines (UP) Miagao 50Mbps</b> 1.0. GENERAL OVERVIEW 1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Local Mile Transport from the specified destination point to University of the Philippines (UP) Miagao within the specified duration below. 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. 2.0. TECHNICAL SPECIFICATIONS 2.1. Termination Points	7	month	28,794.15	201,559.05

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

• Website: [www.asti.dost.gov.ph](http://www.asti.dost.gov.ph) • E-mail: [info@asti.dost.gov.ph](mailto:info@asti.dost.gov.ph) • Tel. No.s: +632 927-2541, +632 927-3502, +632 426-9759, +632 426-9760  
• Fax No.: +632 925-8598

<p>2.1.1. Point A</p> <p>2.1.1.1. From: DOST-ASTI</p> <p>2.1.1.2. Address: ASTI Bldg. CP Garcia Ave., UP Campus, Diliman, Quezon City</p> <p>2.1.2. Point B</p> <p>2.1.2.1. To: University of the Philippines (UP) Miagao</p> <p>2.1.2.2. Address: University of the Philippines, Miagao, UPV Miagao, Miagao, Iloilo 5023</p> <p>2.2. Technology: Ethernet Circuit Capacity</p> <p>2.3. Bandwidth (BW): 50 Mbps</p> <p>2.4. Facility: Fiber Optic</p> <p>2.5. Interface: Gigabit Ethernet</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 coordinate with DOST-ASTI's Bids and Awards Committee Secretariat at bac-sec@asti.dost.gov.ph, for the site survey schedule and permits.</p> <p>2.10. Service Provider must peer with PhOpenIX by:</p> <p>2.10.1. Announcing all prefixes under the ASN that they own through a bilateral peering with the PhOpenIX; and</p> <p>2.10.2. Preferring routing from their network to other members through their PhOpenIX link, as opposed to routing it via transit links.</p> <p>2.11. Shall also maintain good network performance and provisions upgrade to the next higher port upon reaching 70% utilization.</p> <p>2.12. 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.</p> <p>2.13. 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.</p> <p>2.14. The active equipment must have dual AC power supplies that are 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.</p> <p>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.</p> <p>2.16. 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.</p> <p>2.17. The fiber / copper cable run should route through 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</p>					
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there is no more space, the service provider should have a provision of their own conduit on the current cable-path.

2.18. 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.

2.19. Link handover details:

2.19.1. Handover for links that are 100Mbps and below 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 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

2.22.2. 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, AMENDMENT

5.1. The term of the contract shall be for seven (7) months, from 01 June 2025 or upon link acceptance until 31 December 2025.

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>6.0. PAYMENT DELIVERY TERMS</p> <p>6.1.The service must be delivered on or before 01 June 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> <p>6.4.The SOAs shall be delivered twenty (20) calendar days right after the billing cut-off.</p>				
2	<p><b>Local Transport - University of the Philippines (UP) Mintal Mindanao Primary 10Mbps</b></p> <p>1.0. GENERAL OVERVIEW</p> <p>1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Local Mile Transport from the specified destination point to University of the Philippines (UP) Mintal Mindanao Primary within the specified duration below.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and service charges, e.g., VAT, OTC, termination, and pre-termination charges, cross-connection fees, duties, etc.</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: ASTI Bldg. CP Garcia Ave., UP Campus, Diliman, Quezon City</p> <p>2.1.2. Point B</p> <p>2.1.2.1. To: University of the Philippines (UP) Mintal Mindanao Primary</p> <p>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</p> <p>2.2. Technology: Ethernet Circuit Capacity</p> <p>2.3. BW: 10 Mbps</p> <p>2.4. Facility: Fiber Optic</p> <p>2.5. Interface: Gigabit Ethernet</p> <p>2.6.Provide network diagram of implementation. Indicate 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 coordinate with DOST-ASTI's Bids and Awards Committee Secretariat at bac-sec@asti.dost.gov.ph, for the site survey schedule and permits.</p> <p>2.10. Service Provider must peer with PhOpenIX by:</p> <p>2.10.1. Announcing all prefixes under the ASN that they own through a bilateral peering with the PhOpenIX; and</p> <p>2.10.2. Preferring routing from their network to other members through their PhOpenIX link, as opposed to routing it via transit links.</p> <p>2.11. Shall also maintain good network performance</p>	7	month	15,000.00	105,000.00

and provisions upgrade to the next higher port upon reaching 70% utilization.

2.12. 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.

2.13. 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.

2.14. The active equipment must have dual AC power supplies that are 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.

2.15. 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 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.

2.17. The fiber / copper cable run should route through 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.

2.18. 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.

2.19. Link handover details:

2.19.1. Handover for links that are 100Mbps and below 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 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

2.22.2. Accomplished Service Acceptance form to signify compliance

### 3.0. TECHNICAL SUPPORT SERVICE

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

	<p>3.2.Service Provider Technical Support Team</p> <p>3.2.1. Should provide updated escalation matrix with contact details</p> <p>3.2.2. Must have a specified single point of contact for technical support related concerns</p> <p>3.3. Refer to the attached SLA for further details of the expected technical support services.</p> <p>4.0. OTHER DOCUMENTARY REQUIREMENTS</p> <p>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.</p> <p>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.</p> <p>5.0. CONTRACT DURATION &amp; EXTENSION, RENEWAL, AMENDMENT</p> <p>5.1. The term of the contract shall be for seven (7) months, from 01 June 2025 or upon link acceptance until 31 December 2025.</p> <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 DELIVERY TERMS</p> <p>6.1.The service must be delivered on or before 01 June 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 SOAs and observe provisions under the Contract.</p> <p>6.4.The SOAs shall be delivered twenty (20) calendar days right after the billing cut-off.</p>				
3	<p><b>Local Transport - University of the Philippines (UP) Koronadal 2Mbps</b></p> <p>1.0. GENERAL OVERVIEW</p> <p>1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Local Mile Transport from the specified destination point to University of the Philippines (UP) Koronadal within the specified duration below.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and service charges, e.g., VAT, OTC, termination, and pre-termination charges, cross-connection fees, duties, etc.</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: ASTI Bldg. CP Garcia Ave., UP Campus, Diliman, Quezon City</p> <p>2.1.2. Point B</p> <p>2.1.2.1. To: University of the</p>	7	month	43,527.00	304,689.00

Philippines (UP) Koronadal

2.1.2.2. Address: UP Manila School of Health Science, Extn Carpenter Hill Koronadal, South Cotabato 9506

2.2. Technology: Ethernet Circuit Capacity

2.3. BW: 2 Mbps

2.4. Facility: Fiber Optic

2.5. Interface: Gigabit Ethernet

2.6. Provide network diagram of implementation.

Indicate 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 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.

2.10. Service Provider must peer with PhOpenIX by:

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

2.10.2. Preferring routing from their network to other members through 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 service provider 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 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 are 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.

2.15. 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 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.

2.17. The fiber / copper cable run should route through 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.

2.18. 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.

2.19. Link handover details:

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

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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

2.22.2. 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 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.

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5.0. CONTRACT DURATION & EXTENSION, RENEWAL, AMENDMENT

5.1. The term of the contract shall be for seven (7) months, from 01 June 2025 or upon link acceptance until 31 December 2025.

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.

6.0. PAYMENT DELIVERY TERMS

6.1. The service must be delivered on or before 01 June 2025.

6.2. Time of installation of the contractor for the network infrastructure on both network points



	<p>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 SOAs and observe provisions under the Contract.</p> <p>6.4.The SOAs shall be delivered twenty (20) calendar days right after the billing cut-off.</p>				
4	<p><b>International Private Line (IPL) - Singapore (SG) 10Gbps</b></p> <p>1.0. GENERAL OVERVIEW</p> <p>1.1. The DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, and Installation of the Local Mile Transport from the specified destination point to International Private Line (IPL) - Singapore (SG) within the specified duration below.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and service charges, e.g., VAT, OTC, termination, and pre-termination charges, cross-connection fees, duties, etc.</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: ASTI Bldg. CP Garcia Ave., UP Campus, Diliman, Quezon City</p> <p>2.1.2. Point B</p> <p>2.1.2.1. To: International Private Line (IPL) - Singapore (SG)</p> <p>2.1.2.2. Address: Global Switch, 2 Tai Seng Ave., Singapore 534408</p> <p>2.2. Technology: Ethernet Circuit Capacity</p> <p>2.3. BW: 10 Gbps</p> <p>2.4. Facility: Fiber Optic</p> <p>2.5. Interface: Gigabit Ethernet</p> <p>2.6.Provide network diagram of implementation. Indicate 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 coordinate with DOST-ASTI's Bids and Awards Committee Secretariat at bac-sec@asti.dost.gov.ph, for the site survey schedule and permits.</p> <p>2.10. Service Provider must peer with PhOpenIX by:</p> <p>2.10.1. Announcing all prefixes under the ASN that they own through a bilateral peering with the PhOpenIX; and</p> <p>2.10.2. Preferring routing from their network to other members through their PhOpenIX link, as opposed to routing it via transit links.</p> <p>2.11. Shall also maintain good network performance and provisions upgrade to the next higher port upon reaching 70% utilization.</p> <p>2.12. 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.</p> <p>2.13. 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.</p>	7	month	1,659,671.55	11,617,700.85

2.14. The active equipment must have dual AC power supplies that are 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.

2.15. 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 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.

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<b>TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):</b>				<b>Php 12,228,948.90</b>
<b>RESERVATION CLASE</b>				
<p>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.</p>				