



ASTI – FM 03-17  
REV 2 / 31 January 2020

**PURCHASE ORDER**

<b>Supplier:</b>	<b>PLDT, Inc.</b>	<b>PO No.:</b>	<b>22-01-032</b>
<b>Address:</b>	<b>Ramon Cojuangco Bldg., 7895 Makati Ave., cor. Dela Rosa St., Brgy. San Lorenzo, Makati City</b>	<b>PO Date:</b>	<b>January 24, 2022</b>
<b>TIN:</b>	<b>000-488-793-000</b>	<b>Mode of Procurement:</b>	<b>Competitive Bidding</b>

Gentleman:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

<b>Place of Delivery:</b>	<b>ASTI Bldg., C.P. Garcia Ave., U.P. Technology Park Complex, U.P. Campus, Diliman, Quezon City 1101</b>	<b>Delivery Term:</b>	<b>Sixty (60) calendar days upon issuance of NTP</b>
<b>Date of Delivery:</b>		<b>Payment Term:</b>	<b>Government Terms</b>
		<b>Warranty Term:</b>	

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Month	<p><b>Local transport - Manila to Cebu – Secondary 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 mile Transport from the specified destination points for Cebu Data Center 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. Qty/Duration: 12 months or upon link acceptance until December 31, 2022</p> <p>1.5. Monthly Recurring Charge (MRC): 306,000.00 php</p> <p>2. 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: IC Node</p> <p>2.1.1.2. Address: ASTI IC Node, Asiatown IT Park, Apas Jose Maria St., Cebu City</p> <p>2.2. Technology: Fiber</p> <p>2.3. Bandwidth (BW): 1Gbps</p> <p>2.4. Facility: Fiber Optic</p> <p>2.5. Interface: Fiber/Fast Ethernet media converted to RJ45</p>	12	₱226,175.00	₱2,714,100.00

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 site survey schedule and permits.

2.10. Winning Bidder 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 contractor should factor in the size of the power supply with the total equipment dimensions mentioned in 2.17.

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 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 winning bidder has existing active equipment installed at any termination point, they must use it instead of installing another equipment. If the existing equipment can't accomodate the new link, the winning bidder 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, without any layer 3 routing elements along the network path.

2.21. Bundled with:

2.21.1. Two (2) Full Rack Colocation Services in ASTI IC Node - Cebu City

2.21.1.1. Address: Asiatown IT Park, Apas Jose Maria St., Cebu City

2.21.1.2. Standard Rack cabinet with dimension: 19in (width) x 42U (height)

2.21.1.3. Four-post mount railings for front and back support

2.21.1.4. Provide power strips for two (2) different power sources and provide uninterrupted 24/7 power supply to equipment housed within the rack

2.21.1.5. Provide remote eyes and remote hands service

2.21.1.6. Provide a copy of the rack key to the client

2.21.1.7. Provide necessary cooling for the equipment

2.21.1.8. Provide physical security

2.21.1.9. Qty/Duration: 12 months or upon link acceptance until December 31, 2022

2.21.2. Power Consumption

2.21.2.1. Power charges is computed based on the actual power consumption

2.21.2.2. Provide monthly power consumption details in the billing

2.21.2.3. Qty/Duration: 12 months or upon link acceptance until December 31, 2022

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

2.22.1. 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.

2.23. Requirements for Link Acceptance:

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

2.23.2. Accomplished Service Acceptance form to signify compliance

2.24. Subject to possible renewal

### 3. Technical Support Service

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

	<p>3.3.3.3. Feedback must be within 24 hours, and provide updates by request for medium severity issues that moderately impact user operations</p> <p>3.3.3.4. Feedback must be within 48 hours, and provide updates by request for low priority issues such as inquiries or issues with limited impact to user operations</p> <p>4. Other documentary requirements:</p> <p>4.1. Quality Management System: Prospective bidders need to supply documentary proof (ISO or equivalent) which certifies their quality management practices as service provider.</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. Delivery Terms</p> <p>5.1. The goods or service must be delivered within sixty (60) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>5.2. Other Delivery Terms:</p> <p>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.</p> <p><i>(Please see attached offer.)</i></p>			
				<b>TOTAL: P2,714,100.00</b>
<b>(Total Amount in Words)</b>		<b>Two Million Seven Hundred Fourteen Thousand One Hundred Pesos Only</b>		

The contract price is inclusive of taxes and other fees or charges. In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, DOST-ASTI may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances and in accordance with the provisions of the latest implementing rules and regulations of RA 9184.

Conforme:

Very Truly Yours,

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(Signature over Printed Name of Supplier)

**FRANZ A. DE LEON, Ph.D.**  
\_\_\_\_\_  
Director, DOST-ASTI

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(Date)

<b>Fund Cluster:</b>	<u>01</u>	ORS / BURS No.:	<u>011011012022-01-000053</u>
		ORS / BURS Date:	<u>January 25, 2022</u>
<b>Funds Available:</b>	<u>Php 2,714,100.00</u>	Amount:	<u>₱2,714,100.00</u>
<p><b>GAY CONCEPCION S. BUGAGAO</b> _____ Accountant III</p>			