

Republic of the Philippines
University of the Philippines Mindanao
Mintal, Tugbok District, Davao City

February 23, 2023

BID BULLETIN NO. 02

Rebidding of the Supply, Installation and Configuration of PREGINET Intra-Campus Network Equipment for the Philippine Sky Artificial Intelligence Program (PBM 2023-02)

This Bid Bulletin is issued to inform the bidders of the changes in the following forms:

1. Technical Specifications (see attached files); and
2. Price Schedule Form.

For guidance of all concerned.



PROF. CLETO L. NAÑOLA JR.

Chair, Bids and Awards Committee for Goods

Received by the bidder:

Signature over printed name/Date received

Technical Specifications

Item	Specification	Statement of Compliance
	<p>General terms for all lots</p> <p>For Equipment:</p> <p>1) The equipment must come from a credible manufacturer with support through a distributor in the country; and</p> <p>2) The equipment must be brand new and unused.</p>	<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>

Item	Specification	Statement of Compliance
<p>LOT 1: PREGINET Upgrade: Intra-campus link ABC: Php 3,750,000.00</p> <p>Delivery period: Thirty (30) to ninety (90) calendar days</p> <p>Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p>		
1	<p>Technical Specifications:</p> <ul style="list-style-type: none"> ● 2 x Core Switch <ul style="list-style-type: none"> ○ 24 x SFP+ ports ○ 2 x QSFP28 ports ○ 8-port 1/2.5/5/10G BASE-T Ethernet Copper Interface Module ○ 5 x SFP+ Transceiver Module (1310nm, 10km, LC) ○ 5 x SFP+ Transceiver Module (850nm, 300m, LC) ○ 2 x Single Cable, Console Serial Port Cable ○ 2 x 250W AC Power Supply Module ○ 2 x Fan module ○ Port switching capacity: 1680 Gbps ○ Packet forwarding rate / forwarding capacity: 705 Mpps ○ MAC address entries: 128K ○ IPv4 routing entries: 64K ○ EMC <ul style="list-style-type: none"> ■ FCC Part 15 Subpart B CLASS A ■ ICES-003 CLASS A ■ VCCI CLASS A ■ CISPR 32 CLASS A ■ EN 55032 CLASS A ■ AS/NZS CISPR32 CLASS A ■ CISPR 24 ■ EN 55024 	

	<ul style="list-style-type: none"> ■ EN 61000-3-2 ■ EN 61000-3-3 ■ GB/T 9254 ■ YD/T 993 ○ Safety <ul style="list-style-type: none"> ■ UL 60950-1 ■ CAN/CSA C22.2 No 60950-1 ■ IEC 60950-1 ■ EN 60950-1 ■ AS/NZS 60950-1 ■ FDA 21 CFR Subchapter J ■ GB 4943.1 ○ 3 years warranty, 5x9 next business day service ○ NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. 	
	<ul style="list-style-type: none"> ● 2 x Admin Switch <ul style="list-style-type: none"> ○ 24 x 10/100/1000 BASE-T Ports ○ 4 x SFP+ ports ○ Port switching capacity: 128 Gbps ○ Packet forwarding rate / forwarding capacity: 96 Mpps ○ MAC address entries: 32768 ○ IPv4 routing entries: 6144 ○ EMC <ul style="list-style-type: none"> ■ FCC Part 15 Subpart B CLASS A ■ ICES-003 CLASS A ■ VCCI-CISPR 32 CLASS A ■ EN 55032 CLASS ■ AS/NZS CISPR32 CLASS A ■ CISPR 24 ■ EN 55024 ■ EN 61000-3-2 ■ EN 61000-3-3 ■ ETSI EN 300 386 ■ GB/T 9254 ■ YD/T 993 ○ Safety <ul style="list-style-type: none"> ■ CAN/CSA C22.2 No 60950-1 ■ IEC 60950-1 ■ EN 60950-1 ■ AS/NZS 60950-1 ■ FDA 21 CFR Subchapter J ■ GB 4943.1 ○ 3 years warranty, 5x9 next business day service ○ NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. 	
	<ul style="list-style-type: none"> ● 8 x Patch Cord <ul style="list-style-type: none"> ○ at least 5 meters <u>LC-LC</u> Fiber Patch cord 	
	<ul style="list-style-type: none"> ● 8 x Patch Cord <ul style="list-style-type: none"> ○ at least 5 meters <u>SC-LC</u> Fiber Patch cord 	
	<ul style="list-style-type: none"> ● 12 x Patch Cord <ul style="list-style-type: none"> ○ at least 5 meters Factory Terminated <u>Cat6A</u> Patch Cord 	

	<ul style="list-style-type: none"> ● 2 x Firewall appliance <ul style="list-style-type: none"> ○ Quad Core 2.2GHz ○ Intel Atom CPU ○ 8GB DDR4 RAM ○ 2 x 10GbE SFP+ Ports ○ 2 x 1GbE Combo Ports (RJ45/SFP) ○ 4 x discrete, unswitched 2.5 Gbps Ports ○ 128GB NVMe M.2 SSD ○ Passive cooling system ○ Compatible with pfSense software ○ Addons: <ul style="list-style-type: none"> ■ 1 x SFP+ transceiver ○ at least 1 year warranty ○ NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. 	
	<ul style="list-style-type: none"> ● Fiber Optic Cable Installation (UP Mindanao Installation site) <ul style="list-style-type: none"> ○ Fiber cable <ul style="list-style-type: none"> ■ At least 1500 meters ■ Outdoor rated ■ At least 8 Cores ■ Single-mode (OS2) ■ Armored (Figure 8) ■ Aerial ○ 2 x Optical Distribution Frame, each with the following: <ul style="list-style-type: none"> ■ Rack Mounted SC-LC ■ At least 8 ports ○ NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. ○ Scope of Work (see Figure 1 for the estimated fiber optic endpoints) <ul style="list-style-type: none"> ■ Installation and labor ■ Supply and installation of necessary accessories and materials ■ Configuration and knowledge transfer ■ Cable pulling, termination, OTDR testing, throughput testing, and documentation 	
	<p>Inclusions:</p> <ul style="list-style-type: none"> a. Inclusive of installation, configuration, knowledge transfer, service and delivery fees, and all other charges 	
<p>Additional Requirements:</p> <ol style="list-style-type: none"> 1. BROCHURE OF EACH ITEM, specifying its make/model/unit number and specifications. 		

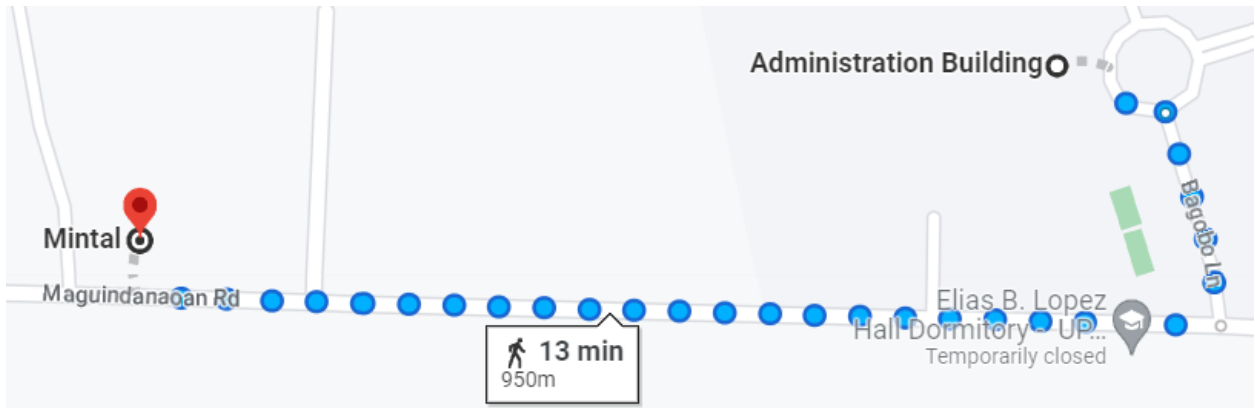


Figure 1. Estimated endpoints of the fiber optic cable connection (UP Mindanao - Admin Bldg to UP Mindanao - CARIM 2 Bldg)

(TECHNICAL SPECIFICATIONS)

BID NO : PBM 2023-02

DATE :

REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS (please write down detailed offered specifications)	REFERENCES (include supporting documents) (attached brochure / technical data/ website, etc.)
Item 1 – Core Switch - 2 units	Brand and model:	
24 x SFP+ ports		
2 x QSFP28 ports		
8-port 1/2.5/5/10GBASE-T Ethernet Copper Interface Module		
5 x SFP+ Transceiver Module (1310nm, 10km, LC)		
5 x SFP+ Transceiver Module (850nm, 300m, LC)		
2 x Single Cable, Console Serial Port Cable		
2 x 250W AC Power Supply Module		
2 x Fan module		
Port switching capacity: 1680 Gbps		
Packet forwarding rate / forwarding capacity: 705 Mpps		
MAC address entries: 128K		
IPv4 routing entries: 64K		
EMC - FCC Part 15 Subpart B CLASS A - ICES-003 CLASS A - VCCI CLASS A - CISPR 32 CLASS A - EN 55032 CLASS A		

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

- AS/NZS CISPR32 CLASS A - CISPR 24 - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - GB/T 9254 - YD/T 993		
Safety - UL 60950-1 - CAN/CSA C22.2 No 60950-1 - IEC 60950-1 - EN 60950-1 - AS/NZS 60950-1 - FDA 21 CFR Subchapter J - GB 4943.1		
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City		
3 years warranty, 5 x 9 next business day service		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)	N/A	N/A
Item 2 – Admin Switch – 2 units	Brand and model:	
24 x 10/100/1000BASE-T Ports		
4 x SFP+ ports		
Port switching capacity: 128 Gbps		
Packet forwarding rate / forwarding capacity: 96 Mbps		
MAC address entries: 32768		

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

IPv4 routing entries: 6144		
EMC - FCC Part 15 Subpart B CLASS A - ICES-003 CLASS A - VCCI-CISPR 32 CLASS A - EN 55032 CLASS - AS/NZS CISPR32 CLASS A - CISPR 24 - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - ETSI EN 300 386 - GB/T 9254 - YD/T 993		
Safety - CAN/CSA C22.2 No 60950-1 - IEC 60950-1 - EN 60950-1 - AS/NZS 60950-1 - FDA 21 CFR Subchapter J - GB 4943.1		
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City		
3 years warranty, 5 x 9 next business day service		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)	N/A	N/A
Item 3 – at least 5 meters <u>LC-LC</u> Fiber Patch Cord – 8 units	Brand and model:	
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok		

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

District, Davao City		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)		
Item 4 – at least 5 meters <u>SC-LC</u> Fiber Patch Cord – 8 units	Brand and model:	
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)		
Item 5 – at least 5 meters Factory Terminated <u>Cat6A</u> Patch Cord – 12 units	Brand and model:	
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)	N/A	N/A
Item 6 – Firewall appliance – 2 units	Brand and model:	
Quad Core 2.2GHz		
Intel Atom CPU		
8GB DDR4 RAM		
2 x 10GbE SFP+ Ports		
2 x 1GbE Combo Ports (RJ45/SFP)		
4 x discrete, unswitched 2.5 Gbps Ports		

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

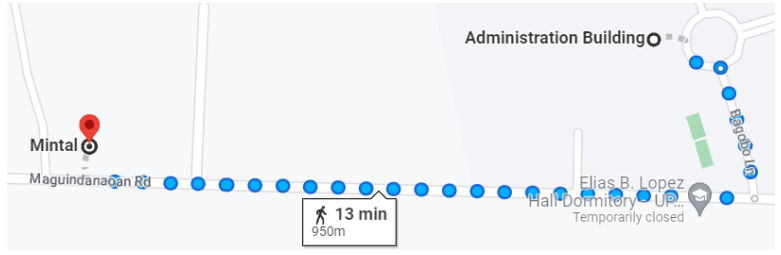
Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

128GB NVMe M.2 SSD		
Passive cooling system		
Compatible with pfSense software		
Addons: - 1 x SFP+ transceiver		
within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City		
at least 1 year warranty		
Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)	N/A	N/A
Item 7 – Fiber Optic Cable (UP Mindanao Installation Site) – 1 unit	Brand and model:	
Fiber cable - At least 1500 meters - Outdoor rated - At least 8 cores - Single-mode (OS2) - Armored (Figure 8) - Aerial		
2 x Optical Distribution Frame, each with the following: - Rack Mounted SC-LC - At least 8 ports		
Scope of Work (<i>see Figure 1 for the estimated fiber optic endpoints</i>): - Installation and labor - Supply and installation of necessary accessories and materials		

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

<ul style="list-style-type: none"> - Configuration and knowledge transfer - Cable pulling, termination, OTDR testing, throughput testing, and documentation 		
<p>within 90 calendar days upon receipt of Notice to Proceed Place of delivery: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p>		
<p>Prototype/ Demo Unit Sample: [none required] (required during post-qual, if applicable; state "none required/not applicable" if not)</p>	N/A	N/A
<p>Payment Terms: Government Terms</p>		
<p>Inclusions for Items 1 to 7: a. Inclusive of installation, configuration, knowledge transfer, service and delivery fees, and all other charges</p>		
<p>Additional Requirements for Items 1 to 7: 1. BROCHURE OF EACH ITEM, specifying its make/model/unit number and specifications.</p>		
 <p>Figure 1. Estimated endpoints of the fiber optic cable connection (UP Mindanao - Admin Bldg to UP Mindanao - CARIM 2 Bldg)</p>		

In compliance with Republic Act No. 9184, Section 18, and the 2016 Revised Implementing Rules and Regulations, Section 18, brand names are used because of compatibility with existing platforms or equipment which will maintain performance, functionality and useful life.

Note to Bidders:

The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative _____
Name of Representative _____
Position _____
Company _____
Address _____
Telephone/Fax/Email _____

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. PBM 2023-02 Page ___ of ___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	LOT 1: PREGINET Upgrade: Intra-campus link								
1	Specifications: <ul style="list-style-type: none"> ● 2 x Core Switch <ul style="list-style-type: none"> ● 24 x SFP+ ports ● 2 x QSFP28 ports ● 8-port 1/2.5/5/10G BASE-T Ethernet Copper Interface Module ● 5 x SFP+ Transceiver Module (1310nm, 10km, LC) ● 5 x SFP+ Transceiver Module (850nm, 300m, LC) ● 2 x Single Cable, Console Serial Port Cable ● 2 x 250W AC Power Supply Module ● 2 x Fan module ● Port switching capacity: 1680 Gbps ● Packet forwarding rate / forwarding capacity: 705 Mpps ● MAC address entries: 128K ● IPv4 routing entries: 64K ● EMC <ul style="list-style-type: none"> ○ FCC Part 15 Subpart B CLASS A 								

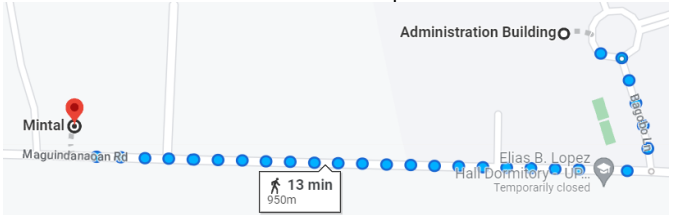
Signature Over Printed Name: _____

	<ul style="list-style-type: none"> ○ ICES-003 CLASS A ○ VCCI CLASS A ○ CISPR 32 CLASS A ○ EN 55032 CLASS A ○ AS/NZS CISPR32 CLASS A ○ CISPR 24 ○ EN 55024 ○ EN 61000-3-2 ○ EN 61000-3-3 ○ GB/T 9254 ○ YD/T 993 ● Safety <ul style="list-style-type: none"> ○ UL 60950-1 ○ CAN/CSA C22.2 No 60950-1 ○ IEC 60950-1 ○ EN 60950-1 ○ AS/NZS 60950-1 ○ FDA 21 CFR Subchapter J ○ GB 4943.1 ● 3 years warranty, 5x9 next business day service ● NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. ● 2 x Admin Switch <ul style="list-style-type: none"> ● 24 x 10/100/1000 BASE-T Ports ● 4 x SFP+ ports ● Port switching capacity: 128 Gbps ● Packet forwarding rate / forwarding capacity: 96 Mpps ● MAC address entries: 32768 ● IPv4 routing entries: 6144 ● EMC <ul style="list-style-type: none"> ○ FCC Part 15 Subpart B CLASS A ○ ICES-003 CLASS A ○ VCCI-CISPR 32 CLASS A ○ EN 55032 CLASS ○ AS/NZS CISPR32 CLASS A ○ CISPR 24 ○ EN 55024 ○ EN 61000-3-2 ○ EN 61000-3-3 ○ ETSI EN 300 386 ○ GB/T 9254 ○ YD/T 993 ● Safety <ul style="list-style-type: none"> ○ CAN/CSA C22.2 No 60950-1 ○ IEC 60950-1 ○ EN 60950-1 								
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Signature Over Printed Name: _____

<ul style="list-style-type: none"> ○ AS/NZS 60950-1 ○ FDA 21 CFR Subchapter J ○ GB 4943.1 ● 3 years warranty, 5x9 next business day service ● NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. ● 8 x Patch Cord <ul style="list-style-type: none"> ● at least 5 meters LC-LC Fiber Patch cord ● 8 x Patch Cord <ul style="list-style-type: none"> ● at least 5 meters SC-LC Fiber Patch cord ● 12 x Patch Cord <ul style="list-style-type: none"> ● at least 5 meters Factory Terminated Cat6A Patch Cord ● 2 x Firewall <ul style="list-style-type: none"> ● Quad Core 2.2GHz ● Intel Atom CPU ● 8GB DDR4 RAM ● 2 x 10GbE SFP+ Ports ● 2 x 1GbE Combo Ports (RJ45/SFP) ● 4 x discrete, unswitched 2.5 Gbps Ports ● 128GB NVMe M.2 SSD ● Passive cooling system ● Compatible with pfSense software ● Addons: <ul style="list-style-type: none"> ○ 2 x SFP+ transceiver ● at least 1 year warranty ● NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. ● Fiber Optic Cable Installation (UP Mindanao Installation site) <ul style="list-style-type: none"> ● Fiber optic cable <ul style="list-style-type: none"> ○ At least 1500 meters ○ Outdoor rated ○ At least 8 Cores ○ Single-mode (OS2) ○ Armored (Figure 8) ○ Aerial ● 2 x Optical Distribution Frame, each with the following: <ul style="list-style-type: none"> ○ Rack Mounted SC-LC ○ At least 8 ports ● NOTE: PLEASE INCLUDE BROCHURE OF EQUIPMENT/ITEM, WITH ITS MAKE/MODEL/UNIT NUMBER AND SPECIFICATIONS. 								
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Signature Over Printed Name: _____

<ul style="list-style-type: none"> ○ Scope of Work (see Figure 1 for the estimated fiber optic endpoints) ○ Installation and labor ○ Supply and installation of necessary accessories and materials ○ Configuration and knowledge transfer ○ Cable pulling, termination, OTDR testing, throughput testing, and documentation <p>Inclusions:</p> <ul style="list-style-type: none"> ● Inclusive of installation, configuration, knowledge transfer, service and delivery fees, and all other charges <p>SITE INSPECTION/OCULAR VISIT SCHEDULE: Date & Time: February 13-16, 2023, 10AM-4PM Please contact 0917 629 9567 or tnlopena@up.edu.ph to confirm your visit to the installation site. No other schedule will be accepted.</p> <p>Additional Requirements:</p> <ol style="list-style-type: none"> 1. BROCHURE OF EACH ITEM specifying its make/model/unit number and specifications.  <p>Figure 1. Estimated endpoints of the fiber optic cable connection (UP Mindanao - Admin Bldg to UP Mindanao - CARIM 2 Bldg)</p>								
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Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____