



BID BULLETIN 01

Date: 24 November 2020

Project Title: Supply, Delivery, and Installation of Fiber Optic Backbone Cabling for MIS in VSU Component Colleges (GOODS-21-03)

Location: VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

I. LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum) or a. Registration Certificate (SEC, DTI or CDA) b. Mayor's/Business Permit c. Tax Clearance
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or PhP 4,625,000.00) Or Statement of at least two (2) similar completed contracts w/ total amount of at least PhP 4,625,000.00 and the largest of which should be at least PhP 2,312,500.00.
4	Net Financial Contracting Capacity (at least PhP 9,250,000.00) Or Committed Line of Credit (at least PhP 925,000.00)
<i>Technical Documents</i>	
5	Bid Security
6	Technical Specifications
7	SCHEDULE of Requirements/Production and delivery schedule
8	Manpower Requirements
9	After Sales service/parts (at least 1 year from acceptance of delivered goods)
10	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
11	The Supplier's Audited Financial Statements
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



Please take note:

In the **Technical Specifications**, bidders must state either "Comply" or "Not Comply" **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer's un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** 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 Bidders 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 provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)

1. Convert all documents into Portable Document Format (PDF) and should be printable.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Registration Certificate (SEC/DTI)	Registration Certificate
3. Mayor's/Business Permit	Mayor's-Business Permit
4. Tax Clearance	Tax Clearance
5. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
6. Statement of Bidder's Single Largest Completed Contract	SLCC
7. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
8. Bid Security	Bid Security
9. Technical Specifications	Technical Specifications
10. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
11. Manpower Requirements	Manpower Requirements
12. After Sales service/parts	After Sales
13. Omnibus Sworn Statement	Omnibus Sworn Statement
14. Audited Financial Statements	Audited Financial Statements
15. Net Financial Contracting Capacity	NFCC
16. Committed Line of Credit	CLC
17. Bid Form	Bid Form
18. Price Schedule	Price Schedule

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII.



The second folder should contain all requirements under Financial Component checklist.

4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at jecleo@vsu.edu.ph before the deadline.

III. Changes in the Bidding Documents

Original	Amendment
5. A complete set of Bidding Documents may be acquired by interested Bidders on 07 November – 01 December 2020 until 1:59 PM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.	<p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 07 November – 01 December 2020 until 1:00 PM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p> <p>The Bidders may also deposit the applicable fee to Visayas State University Landbank Account:</p> <p>Account Name: Visayas State University Fund 164</p> <p>Account Number: 3572-1000-13</p> <p>And send the deposit slip to Ms. Jessamine C. Ecleo at jecleo@vsu.edu.ph</p>



IV. Revised List of Goods and Technical Specifications

- Some Specifications were added and/or deleted
- Some Quantities and Unit Prices (ABC) were changed

Item #	Description	Unit	Qty	Unit Price	Total Price
1	Fiber Optic Backbone Cabling With Fiber Switch	lot	1	9,250,000.00	9,250,000.00
	5 pcs. 3 Kilometer Single Mode 6 core Fiber Optic Cabling and Installation and components at VSU main and satellite campuses (1 spool for each campus)				
	Fiber Express Tactical Cable, 6-Fiber, OS2, with Black Jacket, Small, Messengered & amp				
	Lightweight, Ideal for repeated deployment and retrieval cycles, superior crush resistance				
	Fiber count: 6				
	Thermoplastic 900 +35um/-50um				
	Number of Jackets: Single Jacket				
	Max Attenuation at 1310 nm: 0.5				
	Max Attenuation at 1550 nm: 0.5				
	Wavelength: 1310/1550				
	10 Gigabit Ethernet Performance: 10,000/40,000				
	1 Gigabit Ethernet Performance: 5000/-				
	Cable Min. Bend Radius Installation (Short Term) 20x				
	Cable Min. Bend Radius Operation (Long Term) 10x				
	Cable Max. Tensile Strength Installation (Short Term) 330 N (74 lbf)				
	Cable Max. Tensile Strength Operation (Long Term) 150 N (34 lbf)				
	Operating Temp Range: -46C to +85C				
	Installation Temp Range: -55°C To +85°C				
	Storage Temp Range: -70°C To +85°C				
	RoHS Compliant				
	5 units Fiber Switch				
	48p 10G SFP/SFP+ and 6p 40G QSFP+ with X472 5 Fans 2 Power Supply Switch Bundle				
	20 units 10G SFP+ LC LX 10KM Compatible with Aruba CX 8320				



	Inclusion of Fiber Installation/Termination and Testing at the following project sites: a. VSU Main, Visca, Baybay City, Leyte b. VSU Alangalang, Alangalang, Leyte c. VSU Isabel, Isabel, Leyte (with riser for aerial installation) d. VSU Tolosa, Tanghas, Tolosa, Leyte e. VSU Villaba, Cagnocot, Villaba, Leyte				
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Please take note:

- 1. Detailed technical specifications of each component are specified in Appendix A.***
- 2. VSU Satellite Campuses Fiber Optic Cabling (Map)***

DILBERTO O. FERRAREN
BAC Chairman



Appendix A

VSU Satellite Campuses Fiber Optic Cabling Requirements

Fiber Optic Cable (3000meters) FO Cable Warranty must be provided

- Fiber Optic Cable with Messenger wire
- (loose tube) 12 core single mode fiber optic cable
- ISO/UL certified Fiber optical Cable
- Cable burial/Trenching of not less than 1 foot
- Isabel campus is the only campus that crosses national highway. Two riser needs to be added in crossing the highway.

MDF/IDF Data Cabinet

- All Fiber Optic will be terminated or spliced.
- Data Cabinet must be installed 2 feet below the ceiling.
- Data Cabinet must ISO/ UL compliant with built-in 2 fan. Front and side is removal with keylock. Built-in surge protect power strip. Tinted front door.
- Fiber patch panel complete with duplex LC connectors for all fiber core (12).
- All MDF and IDF must be properly grounded.

Active/Passive component (Warranty per active component must be provided)

- All MDF Switches must be: 24 ports SFP Fiber switch with 4 ports SFP+ uplinks, with lifetime warranty
- All IDF Switches must be: with 24 ports GE ports with 4 ports SFP+ ready and with lifetime warranty
- Patch panels, connectors and patch cord: LC/LC duplex single mode 1.5m
- UPS 1500VA
- Supplier must have a service unit same with the unit or same capability and replacement unit must be provided within 1 month.

Civil Works

- Pipe use HDPE (SDR11) Pipe 1" for burial
- 1" HDPE (SDR11) coupling to couple each HDPE (SDR11) pipe.
- Handhole size is 60"x60" x 12" deep (bottom not cemented) with cover and handle
- Handhole must be placed on sharp curves and pulling stations.
- At least 10 Handhole/Pulling station per campus

Technical Requirement

- Must be supervised and handled by a licensed ECE/PECE.
- Knowledgeable in fiber optic termination and testing.
- During the commissioning a fiber optic test report must be provided.
- Workmanship warranty period must be provided.

Electrical Power Requirements:

1. Must provide DIN rail type enclosure 8 circuit (Power Distribution Box-PVC)
2. DIN type circuit breaker 30 AMP/ 220-240V (industry standard/ISO/UL)
3. DIN type surge protection system 8kA (industry standard/ISO/UL)
4. Time delay DIN type 0-120 sec 10A (industry standard/ISO/UL)
5. Grounding Rod galvanize type 6 feet.



6. Includes clamp and grounding wire.
7. Bill of Quantities

Isabel Campus			
#	Description	No. of Units	Unit
1.) MDF Switch	Layer 3 Fiber Switch : 16 x SFP 100/1000 Mbps ports 8 x SFP dual personality ports - 10/100/1000BAS E-T RJ-45 or 100/1000BASE-X Combo Ports 4 x SFP+ fixed 1000/10000 SFP+ ports 1 x RJ-45 serial console port 2 x power supply slots(2 power supply included) 1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB MTBF (years) 52.79	1	Unit
2.) IDFs Switches	24 RJ-45 auto negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination, Throughput 41.7 Mp/s (64-byte packets), Routing/switching capacity 56 Gb/s MTBF (years) 120.48	5	Unit
3.) Fiber patch cord	Cable Length: 3 Meter Cable Type: LC-LC Single Mode Duplex Color: Yellow High return loss, low insertion loss High reliability, high temperature stability Good exchangeability Push pull structure, compact size, dense type	20	unit



4.) SFP Transceivers	1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only	20	Unit
5.) Fiber patch panel	Plastic, Half loaded with 12 LC duplex adapters 2 pcs splice trays/holders, cable management, 2 pcs Cable glands, angled cable entry brackets ISO/IEC 118011:2017	20	
6.) Fiber Optic cable	Fiber Optic Cable with Messenger wire (loose tube) 12 core single mode fiber optic cable ISO/UL certified Fiber optical Cable Cable burial/Trenching of not less than 1 foot	1	Spool
7.) Data Cabinet	Data Cabinet must ISO/ UL compliant with built-in 2 fan. Front and side is removal with keylock. Built-in surge protect power strip. Tinted front door	5	Unit
8.) Grounding	Galvanized Grounding Rod, all switches and cabinet must be grounded	5	Unit
9.) Smart-UPS 1500VA	<ul style="list-style-type: none"> Smart-UPS 1500VA Rackmount 	4	
Villaba Campus			
#	Description	No. of Units	Unit
1.) MDF	Layer 3 Fiber Switch : 16 x SFP 100/1000 Mbps ports 8 x SFP dual personality ports 10/100/1000BAS E-T RJ-45 or 100/1000BASE-X	1	Unit
	Combo Ports 4 x SFP+ fixed 1000/10000 SFP+ ports 1 x RJ-45 serial console port 2 x power supply slots(2 power supply included) 1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB MTBF (years) 52.79		



2.) IDFs Switches	24 RJ-45 autonegotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) • 4 SFP 1000 Mb/s ports • Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination, Throughput 41.7 Mp/s (64-byte packets), Routing/switching capacity 56 Gb/s MTBF (years) 120.48	5	Unit
3.) Fiber patch cord	Cable Length: 3 Meter Cable Type: LC-LC Single Mode Duplex Color: Yellow High return loss, low insertion loss High reliability, high temperature stability Good exchangeability Push pull structure, compact size, dense type	20	unit
4.) SFP Transceivers	1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only	20	Unit
5.) Fiber patch panel	12 ports LC Textured powder coated Steel Plastic, Half loaded with 12 LC duplex adapters 2 pcs splice trays/holders, cable management, 2 pcs Cable glands, angled cable entry brackets ISO/IEC 118011:2017	20	
6.) Fiber Optic cable	<ul style="list-style-type: none"> • Fiber Optic Cable with Messenger wire • (loose tube) 12 core single mode fiber optic cable • ISO/UL certified Fiber optical Cable • Cable burial/Trenching of not less than 1 foot 	1	spool
7.) Data Cabinet	Data Cabinet must ISO/ UL compliant with built-in 2 fan. Front and side is removal with keylock. Built-in surge protect power strip. Tinted front door	5	Unit
8.) Grounding	Galvanized Grounding Rod, all switches and cabinet must be grounded	5	Unit
9.) Smart-UPS 1500VA	<ul style="list-style-type: none"> • UPS 1500VA • Rackmount 	4	



Tolosa Campus			
#	Description	No. of Units	Unit
1.) MDF	Layer 3 Fiber Switch : 16 x SFP 100/1000 Mbps ports 8 x SFP dualpersonality ports - 10/100/1000BAS E-T RJ-45 or 100/1000BASE-X Combo Ports 4 x SFP+ fixed 1000/10000 SFP+ ports 1 x RJ-45 serial console port 2 x power supply slots(2 power supply included) 1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB MTBF (years) 52.79	1	Unit
2.) IDFs Switches	24 RJ-45 autonegotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)- 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination, Throughput 41.7 Mp/s (64-byte packets), Routing/switchin g capacity 56 Gb/s MTBF (years) 120.48	5	Unit
3.) Fiber patch cord	Cable Length: 3 Meter Cable Type: LC-LC Single Mode Duplex Color: Yellow High return loss, low insertion loss High reliability, high temperature stability Good exchangeability Push pull structure, compact size, dense type	20	unit
4.) SFP Transceivers	1 LC 1000BASE- LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only	20	Unit
5.) Fiber patch panel	12 ports LC Textured powder coated Steel Plastic, Half loaded with 12 LC duplex adapters 2 pcs splice trays/holders, cable management, 2 pcs Cable glands, angled cable entry brackets ISO/IEC 118011:2017	20	



6.) Fiber Optic cable	<ul style="list-style-type: none"> Fiber Optic Cable with Messenger wire (loose tube) 12 core single mode fiber optic cable ISO/UL certified Fiber optical Cable Cable burial/Trenching of not less than 1 foot 	1	Spool
7.) Data Cabinet	Data Cabinet must ISO/ UL compliant with built-in 2 fan. Front and side is removal with keylock. Built-in surge protect power strip. Tinted front door	5	Unit
8.) Grounding	Galvanized Grounding Rod, all switches and cabinet must be grounded	5	Unit
9.) Smart-UPS 1500VA	<ul style="list-style-type: none"> Smart-UPS 1500VA Rackmount 	4	

Alang-Alang Campus

#	Description	No. of Units	Unit
1.) MDF	Layer 3 Fiber Switch : 16 x SFP 100/1000 Mbps ports 8 x SFP dualpersonality ports 10/100/1000BAS E-T RJ-45 or 100/1000BASE-X	1	Unit
	Combo Ports 4 x SFP+ fixed 1000/10000 SFP+ ports 1 x RJ-45 serial console port 2 x power supply slots(2 power supply included) 1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB MTBF (years) 52.79		
2.) IDF's Switches	24 RJ-45 autonegotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination, Throughput 41.7 Mp/s (64-byte packets), Routing/switchin g capacity 56 Gb/s MTBF (years) 120.48	5	Unit



3.) Fiber patch cord	Cable Length: 3 Meter Cable Type: LC-LC Single Mode Duplex Color: Yellow High return loss, low insertion loss High reliability, high temperature stability Good exchangeability Push pull structure, compact size, dense type	20	unit
4.) SFP Transceivers	1 LC 1000BASE- LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only	20	Unit
5.) Fiber patch panel	12 ports LC Textured powder coated Steel Plastic, Half loaded with 12 LC duplex adapters 2 pcs splice trays/holders, cable management, 2 pcs Cable glands, angled cable entry brackets ISO/IEC 118011:2017	20	Unit
6.) Fiber Optic cable	<ul style="list-style-type: none"> Fiber Optic Cable with Messenger wire (loose tube) 12 core single mode fiber optic cable ISO/UL certified Fiber optical Cable Cable burial/Trenching of not less than 1 foot 	1	spool
7.) Data Cabinet	Data Cabinet must ISO/ UL compliant with built-in 2 fan. Front and side is removal with keylock. Built-in surge protects power strip. Tinted front door	5	Unit
8.) Grounding	Galvanized Grounding Rod, all switches and cabinet must be grounded	5	Unit
9.) Smart-UPS 1500VA	<ul style="list-style-type: none"> Smart-UPS 1500VA Rackmount 	4	
Main Campus			
#	Description	No. of Units	Unit
1.) MDF	Layer 3 Fiber Switch : 16 x SFP 100/1000 Mbps ports 8 x SFP dual personality ports 10/100/1000BAS E-T RJ-45 or 100/1000BASE-X Combo Ports 4 x SFP+ fixed 1000/10000 SFP+ ports 1 x RJ-45 serial console port 2 x power supply slots(2 power supply included) 1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB MTBF (years) 52.79	1	Unit



2.) IDFs Switches	24 RJ-45 auto negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination, Throughput 41.7 Mp/s (64-byte packets), Routing/switching capacity 56 Gb/s MTBF (years) 120.48	5	Unit
3.) Fiber patch cord	Cable Length: 3 Meter Cable Type: LC-LC Single Mode Duplex Color: Yellow High return loss, low insertion loss High reliability, high temperature stability Good Exchangeability Push pull structure, compact size, dense type	20	unit
4.) SFP Transceivers	1 LC 1000BASE- LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only	20	Unit
5.) Fiber patch panel	12 ports LC Textured powder coated Steel Plastic, Half loaded with 12 LC duplex adapters 2 pcs splice trays/holders, cable management, 2 pcs Cable glands, angled cable entry brackets ISO/IEC 118011:2017	20	
6.) Fiber Optic cable	<ul style="list-style-type: none"> Fiber Optic Cable with Messenger wire (loose tube) 12 core single mode fiber optic cable ISO/UL certified Fiber optical Cable Cable burial/Trenching of not less than 1 foot 	1	



7.) Data Cabinet 42u	2U 600mm Wide x 1060mm Deep Enclosure with Sides Black Maximum Height; 2057MM, 205.7CM Maximum Width"600MM, 60.0CM Maximum Depth: 1060MM, 106.0CM Net Weight: 112.2KG Shipping weight:131.5KG Shipping Height:2181MM, 218.1CM Shipping Width: 740MM, 74.0CM Shipping Depth: 1160MM, 116.0CM Color; Black Maximum : Mounting Depth : 777.0MM, 77.72CM Minimum Mounting Depth :168.0MM, 16.76CM Front Door : 16.0gauge Vertical Posts : 18.0gauge Rear Door : 16.0gauge Roof : 19.0gauge Side Panels 18.0gauge Weight Capacity (static load) 1000.17KG Weight Capacity(dynamic load) 459.94KG Protection Class IP20 Approvals EIA-310E, UL 2416, UL 60950-1 Standard warranty 5 year repair or replace RoHS Compliant	1	Unit
8.) Grounding	Galvanized Grounding Rod, all switches and cabinet must be grounded	5	Unit
9.) Smart-UPS 1500VA	<ul style="list-style-type: none"> Smart-UPS 1500VA Rackmount 	1	



VISAYAS
STATE UNIVERSITY

Bidding No.: GOODS-21-03
Bidding Title: Supply, Delivery and Installation of Fiber Optic
Backbone Cabling for MIS in VSU Component Colleges
Location of the Project: VSU Main. Visca. Bavyav Citv Levte

VSU Satellite Campuses Fiber Optic Cabling

Appendix B





VISAYAS
STATE UNIVERSITY

Bidding No.: GOODS-21-03
Bidding Title: Supply, Delivery and Installation of Fiber Optic
Backbone Cabling for MIS in VSU Component Colleges
Location of the Project: VSU Main. Visca. Bavyav City Levte





VISAYAS
STATE UNIVERSITY

Bidding No.: GOODS-21-03
Bidding Title: Supply, Delivery and Installation of Fiber Optic
Backbone Cabling for MIS in VSU Component Colleges
Location of the Project: VSU Main. Visca. Bavyav Citv Levte





VISAYAS
STATE UNIVERSITY

Bidding No.: GOODS-21-03
Bidding Title: Supply, Delivery and Installation of Fiber Optic
Backbone Cabling for MIS in VSU Component Colleges
Location of the Project: VSU Main. Visca. Bawbaw Citv Levte

VILLABA CAMPUS

