Bidding No.: VSU-GOODS-23-12
Bidding Title: Supply and Delivery of I.T. Equipment
for Smart Campus
Location of the Project: VSU Main, Visca, Baybay City Leyte

VISAYAS STATE UNIVERSITY

B I D   B U L L E T I N   0 1

Date: 06 March 2023

Project Title: *Supply and Delivery of I.T. Equipment for Smart Campus (VSU-GOODS-23-12)*

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	
Legal Documents	
1	PhilGEPS Certificate of Registration (Platinum)
Technical Documents	
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 **4,005,249.96**)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 4,005,249.96 and the largest of which should be at least PhP **2,002,624.98**.
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
Financial Documents	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php 8,010,499.92)
	Or
	Committed Line of Credit (at least Php 801,049.99)

(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)

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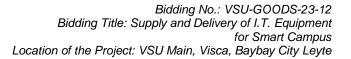Location of the Project: VSU Main, Visca, Baybay City Leyte

Please take note:

1. 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).

2. Bidders are advised to use the latest GPPB forms for the following documents:
    a) Omnibus Sworn Statement
    b) Performance Securing Declaration (if applicable)
    c) Price Schedule for Goods Offered
    d) Bid Form
    e) Bid Securing Declaration

These forms can be accessed from the GPPB website: https://www.gppb.gov.ph/downloadables.php. Documents that are not in its updated/latest format shall be a ground for disqualification of the bidder.

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

1.   Scan **per document** 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. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
5. Bid Security	Bid Security
6. Technical Specifications	Technical Specifications
7. SCHEDULE of Requirements/ 8. Production and delivery schedule	Schedule of Requirements
9. Manpower Requirements	Manpower Requirements
10. After Sales service/parts	After Sales
11. Omnibus Sworn Statement	Omnibus Sworn Statement
12. Audited Financial Statements	Audited Financial Statements
13. Net Financial Contracting Capacity	NFCC
14. Committed Line of Credit	CLC
15. Bid Form	Bid Form
16. Price Schedule	Price Schedule

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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 **jessamine.ecleo@vsu.edu.ph** before the deadline.

III. Changes in the Bidding Documents

Original	
Section I. Invitation to Bid 5. A complete set of Bidding Documents may be acquired by interested Bidders on *17 February – 14 March 2023 until 8:30 AM* 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.	*(Amendment)* 5. A complete set of Bidding Documents may be acquired by interested Bidders on *17 February – 14 March 2023 until 8:30 AM* 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. The amount of applicable fee will depend on the total ABC quoted as shown below. <table><tr><th>Total ABC Quoted</th><th>Applicable Fee</th></tr><tr><td>1,000,000.00 and below</td><td>1,000.00</td></tr><tr><td>1,000,001.00 to 5,000,000.00</td><td>5,000.00</td></tr><tr><td>Above 5,000,000.00</td><td>10,000.00</td></tr></table> The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means: The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details: Account Name: Visayas State University Fund 164 Account Number: 3572-1000-13 Then send the deposit slip to *jessamine.ecleo@vsu.edu.ph*
Section II. Instructions to Bidders 15. Sealing and Marking of Bids	*(Additional Instructions)* Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.

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	For filing purposes, the bidders are urged to use **Orange** envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.

IV.   Revised List of Goods and Technical Specifications

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

Item No.	Description	Unit	Qty	ABC/Unit	Total ABC
1	**34" Ultra Wide Curve 21:9 1440p Monitor**	unit	1	35,000.00	35,000.00
	◉*Panel Size (diagonal): 34"*				
	◉*Display ratio: 21:9*				
	◉*Screen curvature: 1500R*				
	◉*Native Resolution: 3440 x 1440*				
	◉*Panel Backlight/ Type: Edge type*				
	◉*Display Surface(non-glare/ glare): Non-glare type*				
	◉*Color Saturation: 90% DCI-P3 /120% RGB*				
	◉*Pixel Pitch: 0.23175*0.23175*				
	◉*Brightness: 350 cd/m2 (TYP)*				
	◉*Contrast Ratio: 3000:1*				
	◉*Dynamic Contrast Ratio: 12M:1*				
	◉*Viewing Angle: 178°(H)/178°(V)*				
	◉*Display Colors: 8 bits*				
	◉*Response Time: 1ms (MPRT)*				
	◉*Refresh Rate: 144Hz*				
	◉*HDR: VESA Display HDR400*				
	◉*Flicker-free: Yes*				
	◉*Signal Input: HDMI 2.0 x2,*				
	◉*Display port 1.4 x2*				
	◉*Earphone Jack: Yes*				
	◉*Speaker: 2W x2*				
2	**Active Powered Speakers, 15", 1300W RMS w/ stand**	unit	20	45,000.00	900,000.00
	◉*LF Driver: 15", custom-designed*				
	◉*HF Driver: 2414H compression driver*				
	◉*Power (RMS): 1300 W*				
	◉*Frequency Response: 45 Hz - 20 kHz (-10 dB), 55 Hz - 20 kHz (-3 dB)*				
	◉*Maximum Output: 128 dB SPL*				
	◉*Dispersion: 90° Horizontal, 60° Vertical*				
	◉*Audio I/Os: 2 x XLR Combo Jack, 1 x XLR Passthrough*				

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	◉DSP: dbx DriveRack Inside (Automatic Feedback Suppression, ducking, 100 ms speaker delay, parametric EQ)				
	◉Full, rich frequency response down to 45 Hz				
	◉Two Combo XLR/input jacks for easy, instant setup				
	◉Built-in three-channel mixer for customizable input control				
	◉Backlit LCD screen for easy parameter control and menu access				
	◉Wireless control provides easy connectivity				
	◉Bluetooth 5.0 streaming and control for stable wireless streaming				
	◉Rugged polypropylene build and a metal grille for reliable performance in intense settings				
	◉Built-in speaker pole mount, and compatibility with Universal Speaker Mount system/stand				
	◉Stackable cabinets for easy storage of multiple units				
3	**Audio Mixer, 8-Channel with USB Interface**	unit	21	20,000.00	420,000.00
	◉Eight-channel mixer with mic, line, and guitar-level inputs; 16-bit, 44.1/48 kHz stereo USB output for easy recording and playback from your computer				
	◉XLR inputs with gain trim, switchable high-pass filters, and 48V phantom power; Works with iPad via Apple USB Adaptor (sold separately).				
	◉1/4-inch line-level inputs for instruments and high-impedance guitar input for direct-connecting guitars;				
	◉Built-in DSP effects with footswitch bypass control and Aux buss for external processing;				
	◉Multicolour LED metering for visual level feedback;				
	◉Main and headphone outputs with independent level controls				
	◉Class compliant, plug-and-play USB for Mac and PC interface without installing drivers;				
	◉Includes Cubase LE software				
4	**Black Magic Design HDMI to SDI Converter**	unit	6	6,500.00	39,000.00
	◉1 x HDMI Input, 2 x SD/HD/3G-SDI Outputs				
	◉Supports up to 1080p 60Hz Resolution I/O				
	◉Embedded Audio				
	◉AC Power Supply & Socket Adapters				
	◉LED Video & Power Signal Indicators				
	◉Compatible with existing fleet				
5	**Conference Microphone, Gooseneck**	set	1	180,000.00	180,000.00
	36 Gooseneck Mic				
	1 amplifier				

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	◎Acoustic Principle: Condenser Polar				
	◎Pattern: Cardioid				
	◎Frequency Response: 50-16000Hz				
	◎Sensitivity: -35±2dB(0dB=1V/Pa @ 1KHz)				
	◎Signal to Noise Ratio: 80dB				
	◎Output connector: XLR Connector				
	◎Power requirement: 48V Phantom Power				
	◎Built-in LED indicator shows Talk/Mute				
	◎Foam windscreen included				
6	**Data Cabinet, 12U**	unit	2	12,000.00	24,000.00
	◎12U Data Cabinet Wall-mounted				
	◎Exhaust Slot Removable, Side Panel Glass, Front Panel with Key, Removable Top and Bottom Slot for Cable Management				
	◎Lockable Steel-Framed Door supplied with Two Keys				
	◎with PDU and 2 Fans 12VDC				
7	**Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor, _Assembled_**	unit	20	49,000.00	980,000.00
	◎Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache:18MB or higher				
	◎Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher				
	◎RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher				
	◎SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher				
	◎Casing: mATX/ATX casing with transparent acrylic side panels and				
	Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm				
	◎Graphics Processor: NVIDIA® GeForce RTX™ 3050,Bus Standard: PCI Express 4.0				
	◎OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6				
	◎PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher				

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8	**Handy Camera, High Definition with HDMI Out**	unit	33	20,000.00	660,000.00
	◙*SENSOR TYPE: 1/5.8 type (3.1 mm) (0.12 in) back-illuminated Exmor R CMOS Sensor*				
	◙*EFFECTIVE PIXELS (VIDEO):approx. 2.29 Megapixels (16:9)2*				
	◙*EFFECTIVE PIXELS (STILL IMAGE): approx. 2.29 Megapixels (16:9)/approx. 1.71 Megapixels (4:3)*				
	◙*IMAGE PROCESSOR: BIONZ X image processor*				
	◙*LENS TYPE: ZEISS® Vario-Tessar®*				
	◙*LENS COVER: Manual*				
	◙*APERTURE: F1.8-F4.0*				
	◙*FOCAL DISTANCE: f=1.9-57.0mm*				
	◙*OPTICAL ZOOM: 30x*				
	◙*CLEAR IMAGE ZOOM: 60x3*				
	◙*IMAGE STABILIZATION TYPE: Optical SteadyShot™ image stabilization w/ Intelligent Active mode (Wide to Tele)*				
	◙*VIDEO RESOLUTION: AVCHD: 1920 x 1080/50p (PS), 50i (FX, FH), 1440 x 1080/50i (HQ, LP), MP4: 1280 x 720 25p, XAVC S HD: 1920 x 1080/50p, 25p, AVCHD: 1920 x 1080/60p (PS), 60i (FX, FH), 1440 x 1080/60i (HQ, LP), MP4: 1280 x 720 30p, XAVC S HD: 1920 x 1080/60p, 30p*				
	◙*HDMI TERMINAL: Yes (HDMI micro)1415*				
	◙*REMOTE TERMINAL: integrated into Multi Terminal*				
	◙*MEMORY CARD SLOT: Memory Stick Micro™ and Micro SD/SDHC/SDXC compatible*				
9	**HDMI Cable, 10m**	pcs.	20	700.00	14,000.00
	◙*10 meters*				
	◙*Nylon braided*				
	◙*1.4 version 3D support*				
	◙*Support all high resolutions including 480p, 720p, 1080p and 1180p.*				
	◙*Multi -channel digital audio with a 10.2 Gbps band-width*				
	◙*HDMI AV cable for HDTV*				
	◙*HDMI EMI/RFI Compliant Cable*				
	◙*24k GOLD plated HDMI plugs*				
	◙*ROHS compliant cable.*				
10	**HDMI Cable, 2m**	pcs.	60	250.00	15,000.00
	◙*2 meters*				
	◙*Nylon braided*				
	◙*1.4 version 3D support*				
	◙*Support all high resolutions including 480p, 720p, 1080p and 1180p.*				

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	◉*Multi -channel digital audio with a 10.2 Gbps band-width*				
	◉*HDMI AV cable for HDTV*				
	◉*HDMI EMI/RFI Compliant Cable*				
	◉*24k GOLD plated HDMI plugs*				
	◉*ROHS compliant cable.*				
11	**HDMI Live Stream Switcher**	unit	21	48,809.52	1,024,999.92
	◉*4-Channel Live Stream HDMI Switcher*				
	◉*Live Tally, Stream and Record Status*				
	◉*2-Channel Digital Audio Mixer per Source*				
	◉*Control up to Four BMPCC 6K/4K Cameras*				
	◉*HDMI Output, Ethernet ATEM Control*				
	◉*Upstream and Downstream Keyers*				
	Compatible with existing fleet				
12	**Hikvision HiWatch Series 2MP Outdoor PoE H.265 IP CameraHikvision**	unit	4	3,500.00	14,000.00
	◉*Hikvison IR Fixed Turret Network IP Camera*				
	◉*High-quality imaging with 2 MP resolution*				
	◉*1920 x 1080@30fps for HWI-T221H*				
	◉*20fps max frame rate for E-HWIT*				
	◉*1/2.8" progressive scan CMOS image sensor*				
	◉*Efficient H.265+ compression technology to save on bandwidth and storage*				
	◉*Clear imaging against strong backlight due to DWDR technology; Enhanced imaging due to BLC & 3D DNR*				
	◉*Water and dust resistant (IP67 protection)*				
	◉*Compatible with existing fleet*				
13	**Monitor, 27" IPS, 4K (3840 x 2160)**	unit	3	20,000.00	60,000.00
	◉*Size (Inch): 27 Inch*				
	◉*Resolution: 3840 x 2160*				
	◉*Panel Type: IPS*				
	◉*Aspect Ratio: 16:9*				
	◉*Pixel Pitch: 0.1554 x 0.1554 mm*				
	◉*Brightness (Typ.): 300 cd/m²*				
	◉*Color Gamut (Typ.): sRGB 98% (CIE1931).*				
	◉*Color Depth (Number of Colors): 1.07B*				
	◉*Contrast Ratio (Min.): 700:1*				
	◉*Contrast Ratio (Typ.): 1000:1*				
	◉*Response Time 5ms (GtG at Faster)*				
	◉*Viewing Angle (CR≥10) 178º(R/L), 178º(U/D)*				
	◉*Surface Treatment Anti-Glare*				
14	**Monitor, 27" UHD**	unit	40	22,000.00	880,000.00
	◉*Size: 27"*				
	◉*Display Type: IPS*				
	◉*Display Resolution: 4K UHD*				

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	◉Color Gamut (Typ.): sRGB 98% (CIE1931)				
	◉Color Depth(Number of Colors): 1.07B				
	◉Pixel Pitch(mm): 0.1554 x 0.1554 mm				
	◉Response Time: 5ms (GtG at Faster)\				
	◉Refresh Rate: 60Hz				
	◉Aspect Ratio: 16:9				
	◉Resolution: 3840 x 2160				
	◉Brightness: 300cd (typ) / 240cd (Min)				
	◉Contrast Ratio: 700:1 (Min.), 1000:1 (Typ.)				
	◉Viewing Angle: 178º(R/L), 178º(U/D)				
	◉Surface Treatment: Anti Glare, 3H				
	◉HDMI: Yes x 2				
	◉DisplayPort: Yes x 1				
	◉Headphone Out: Yes				
15	**Printer, Ink Tank, All-in-One, Wi-Fi Direct with ADF**	unit	15	22,000.00	330,000.00
	◉Print, Scan, Copy, Fax with ADF				
	◉Compact integrated tank design				
	◉High yield ink bottles				
	◉Spill-free, error-free refilling				
	◉Wi-Fi, Wi-Fi Direct				
	◉Print Method:On-demand inkjet (Piezoelectric)				
	◉Printer Language:ESC/P-R, ESC/P Raster				
	◉Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)				
	◉Maximum Resolution:5760 x 1440 dpi				
	◉Automatic 2-sided Printing:No				
	◉Scanner Type:Flatbed colour image scanner				
	◉Sensor Type:CIS				
	◉Optical Resolution:600 x 1200 dpi				
	◉Type Of Fax:Walk-up black-and-white and colour fax capability				
	◉Receive Memory / Page Memory:1.1 MB, Page memory up to 100 pages				
	◉USB:USB 2.0				
	◉Network:Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	◉Network Protocol:TCP/IPv4, TCP/IPv6				
16	**Ubiquiti 24 Ports PoE+ Switch + 4 ports SFP+Unfi Switch**	unit	2	48,000.00	96,000.00
	◉The Switch 24 PoE (USW 24 PoE) is a fully managed switch with (24) GbE RJ45 ports, including (16) GbE, PoE+ ports, and (2) 1G SFP ports.				

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	◙*The versatile USW 24 PoE provides Gigabit PoE links to Ethernet devices while also supplying Gigabit fiber uplink options fit for an enterprise network.*				
	◙*The switch also offers an extensive suite of Layer 2 switching protocols, including port-specific operation modes (switching, mirroring, or aggregate), and*				
	◙*features a 1.3" LCM color touchscreen that concisely displays key system and connection insights.*				
	◙*Compatible with the Existing fleet*				
17	**Ubiquiti UAP-AC-HD**	unit	4	35,000.00	140,000.00
	◙*Environment: Indoor/Outdoor*				
	◙*2.4 GHz Radio Rate: 800 Mbps*				
	◙*5 GHz Radio Rate: 1733 Mbps*				
	◙*PoE Mode: 802.3at PoE+*				
	◙*Ports (2): 10/100/1000 Ethernet*				
	◙*Wi-Fi Users: 500+ Users*				
	◙*Compatible with the existing fleet of VSU*				
18	**UTP Cable (305 meters), CAT 6 23 AWG**	boxes	3	7,500.00	22,500.00
	◙*UTP Cable cat6*				
	◙*Cat 6 Cable UTP Unshielded AWG23*				
	◙*Gray Data LAN Cable*				
	◙*1000 feet 305m 1000ft.*				
	◙*must be UL listed & ISO certified cable*				
19	**Video Production Accessories**	sets	10	4,000.00	40,000.00
	◙*Each 1 set includes:*				
	◀*2 x high quality tripod for videocamera*				
	◀*max load: 3 kg*				
	◀*max height: 140cm*				
	◀*material: aluminum alloy*				
	◀*2 x micro HDMI male to HDMI Female adapter*				
	◀*3 m velcro tape 16mm*				
20	**VOIP Phone**	unit	1	6,000.00	6,000.00
	◙*1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty*				
	◙*IPv4 (RFC 791)Integrated web server provides web-based administration and configuration*				
	◙*Telephone keypad configuration via display menu/navigation*				
	◙*Automated provisioning and upgrade via HTTPS, HTTP, TFTP*				
	◙*Asynchronous notification of upgrade availability via NOTIFY*				
	◙*Nonintrusive in-service upgrades*				

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	◉Report generation and event logging				
	◉Statistics transmitted in BYE message				
	◉Syslog and debug server records: configurable per line				
	◉Address Resolution Protocol (ARP)				
	◉DNS: A record (RFC 1706), SRV record (RFC 2782)				
	◉Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)				
	◉Internet Control Message Protocol (ICMP) (RFC 792)				
	◉TCP (RFC 793)				
	◉User Datagram Protocol (UDP) (RFC 768)				
	◉Real-Time Transport Protocol (RTP) (RFC 1889, 1890)				
	◉Real-Time Control Protocol (RTCP) (RFC 1889)				
	◉Differentiated Services (DiffServ) (RFC 2475)				
	◉Type of service (ToS) (RFC 791, 1349)				
	◉VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)				
	◉Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)				
	◉SPCP with the Cisco Unified Communications 500 Series				
	◉SIP proxy redundancy: dynamic via DNS SRV, A records				
	◉Reregistration with primary SIP proxy server				
	◉SIP support in NAT networks (including STUN)				
	◉SIPFrag (RFC 3420)				
	◉Secure (encrypted) calling via SRTP				
	◉Codec name assignment				
	◉Voice algorithms:				
	◉G.711 (A-law and μ-law)				
	◉G.726 (16/24/32/40 kbps)				
	◉G.729 A				
	◉G.722				
	◉Dynamic payload support				
	◉Adjustable audio frames per packet				
	◉Dual-tone multifrequency (DTMF), in- band and out-of-band (RFC 2833) (SIP INFO)				
	◉Flexible dial plan support with interdigit timers				
	◉IP address/URI dialing support				
	◉Call progress tone generation				
	◉Jitter buffer: adaptive				
	◉Frame loss concealment				

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	◉Comfort Noise Generation (CNG)				
	◉Voice activity detection (VAD) with silence suppression				
	◉Attenuation/gain adjustments				
	◉VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE				
	◉Caller ID support (name and number)				
	◉Third-party call control (RFC 3725)				
	◉Should be compatible with existing fleet of VSU IP Phones				
21	**Wireless Microphone (2pcs) with Receiver**	set	20	36,000.00	720,000.00
	◉Simultaneous Systems Per Band:Up to 12				
	◉System: Analog/Digital:Analog				
	◉System: Frequency Range:542-572 MHz				
	◉System: Operating Range:300 ft. Line- of-sight				
	◉System: Frequency Response:50Hz-15kHz				
	◉System: Microphone Included:Yes				
	◉System: Channel Selection:Auto/Manual				
	◉Microphone: Type:Dynamic				
	◉Microphone: Polar Pattern:Cardioid				
	◉Microphone: Frequency Response:50Hz-16kHz				
	◉Transmitter: Form Factor:Handheld with Mic Capsule				
	◉Transmitter: Dynamic Range:100dB (A-weighted)				
	◉Transmitter: Battery Type:2 x AA				
	◉Transmitter: Battery Life:Up tp 14 hours				
	◉Receiver: Antenna Type:Fixed				
	◉Receiver: Type:Table Top				
	◉Receiver: Displays:LED				
	◉Receiver: Outputs:2 x XLR (mic), 2 x 1/4" (instrument)				
	◉Receiver: Power Source:12-15V DC power supply				
22	**XLR to XLR M/F cable 5ft**	pcs.	40	500.00	20,000.00
	◉Material: Nickel plated contact + PVC surface				
	◉Connectors: 3-pin Male XLR to 3-pin Female XLR				
	◉Length: 5ft (1.5m)				
	◉Cable Type: 3 Pin XLR Cable				
	◉Interface Type: XLR Male to XLR Female				
23	**98M3A 98-inch Super Interactive Flat Panel**	unit	1	250,000.00	250,000.00
	◉Commercial screen 4k 3840*2160 resolution				
	◉Andriod 8.0 Improve overall response speed				
	◉3G+32G Large Memory Large Space				
	◉1mm detection precision - support 20- point touch				
	◉control high sensitivity				

Bidding No.: VSU-GOODS-23-12
Bidding Title: Supply and Delivery of I.T. Equipment
for Smart Campus
Location of the Project: VSU Main, Visca, Baybay City Leyte

	◉Quad Screen - Easy comparison real- time discussion				
24	**Shockwafe Ultra 9.2 eARC 1300W Soundbar System**	unit	2	170,000.00	340,000.00
	◉9.2.4-Channel Configuration				
	◉Two External Wireless 10" Subwoofer				
	◉Dolby Atmos & DTS:X Compatible				
	◉Four Surround Speakers				
	◉Three HDMI Inputs with eARC				
	◉Up to 1300W of Total Peak Power				
	Bluetooth 5.0 aptX HD AudioStreaming				
	Optical, Digital Coaxial, 3.5mm, 3x HDMI				
25	**TABLET (MULTIMEDIA EDUCATION ALL IN ONE)**	unit	8	100,000.00	800,000.00
	◉Multimedia Education All-in-One Interactive 100/Inch Smart Electronic Whiteboard Touch Conference Tablet				
	◉100-inch multimedia teaching all-in- one electronic whiteboard touch monitor				
	◉Multi-touch 100" diagonal screen				
	◉Screen size: 2208 mm x 1245 mm				
	◉Screen type: LED anti-interference screen				
	◉Resolution: 3840 x 2160 4K Ultra HD				
	◉Video conferencing				
	◉Two-way control with wireless screen				
	◉Document presentation creative annotations				
	◉Android & Windows OS				
	◉Processor: Intel Core i3				
	◉Storage: 128 GB				
	◉RAM: 4 GB				
	◉Power Supply: 12V 5A				
	◉Machine size: 2261 mm x 1332 mm				
				TOTAL:	**8,010,499.92**

DILBERTO O. FERRAREN
BAC Chairman