



**VISAYAS**  
STATE UNIVERSITY

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **Procurement of Equipment for Smart Campus - Rebidding (GOODS-22-18-R)**

**Government of the Republic of the Philippines**

**April 18, 2022; 9:00 AM  
PPO Conference, Lower Campus, VSU, Visca, Baybay City,  
Leyte**

**Sixth Edition  
July 2020**

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# ***Glossary of Acronyms, Terms, and Abbreviations***

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

## ***Section I. Invitation to Bid***



## INVITATION TO BID FOR PROCUREMENT OF EQUIPMENT FOR SMART CAMPUS - REBIDDING

1. The *Visayas State University* through the *Trust Fund* intends to apply the sum of *Two Million Nine Hundred Fifty-Five Thousand Five Hundred Seventy-One and 43/100 Pesos (PhP 2,955,571.43)* being the ABC to payments under the contract for *Procurement of Equipment for Smart Campus - Rebidding (GOODS-22-18-R)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *Trust Fund* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item No.	Description	Unit	Qty	ABC/Unit
1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Audio Component -</b>	lot	1	130,000.00
	<b>Audio mixer (1 pc)</b>			
	4 mic XLR/line 1/4 inch jack inputs, 2 with Class A FET high impedance inputs			
	3 band EQ			
	1 pre-fade Aux send			
	1 FX send			
	Sound image pan			
	Stereo returns & playback			
	All inputs with level control			
	Responsive 3-band, swept mid EQ with MusiQ			
	2 stereo sources with MP3 player compatibility			
	Separate 2-track record outputs			
	Stereo playback input for 2-track replay			
	XLR main stereo outputs with inserts			
	Configurable USB stereo audio in/out			
	Stereo monitor outs			
	48V microphone phantom power			
	<b>Lavalier Microphone and Receiver (1 set)</b>			
	2.4GHz ISM Band Operation			
	1 x Body Pack Transmitter			
	1 x Headset Mic			
	1 x Lavalier Mic			
	1 x Half-Rack Receiver			
	Built-In 5-Band Graphic EQ			
	24-Bit Linear PCM Digital Audio			
	Intelligent Feedback Reducer			
	Includes Body Pack Belt Clip & Tie Clip			
	Includes 2 Windscreens & 2 Antennas			
	<b>2-pc Wireless Microphone Set (1 set)</b>			
	2 x PG58 Cardioid Microphone with Transmitters			

	Dual-Channel Tabletop Receiver			
	<b>3-prong cables (5 pcs)</b>			
	1 meter male-to-male XLR connector			
	<b>USB Cable (2pcs)</b>			
	2 meters Male Type A to Male Type B USB Connector			
	<b>Active Speakers (2 sets)</b>			
	600 Watts Loud Speaker with Stand			
	12-inch (305 mm) LF driver, 2-inch (50.8 mm) voice coil			
	1-inch (25.4 mm) neodymium HF compression driver			
	Standard speaker pole socket			
	Balanced XLR/TRS with selectable Mic/Line input. XLR Link Output, Contour EQ switch and Ground-Lift switch			
	<b>Microphone Stand (2 pcs)</b>			
	Tripod Floor Stand With Telescopic Boom Arm			
	2 Microphone Holder Adaptors			
<b>2</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Video Component</b>	<b>lot</b>	<b>1</b>	<b>940,571.43</b>
	<b>PTZ Camera - With Auto-Tracking Software (1 set)</b>			
	1/2,3-Type MOS			
	30 x optical zoom (10x digital zoom + Digital Extender)			
	PoE+ Support			
	Audio input function			
	Night Mode*1 - Supports automatic switching			
	High Dynamic Range (HDR) mode			
	Video Output: HDMI			
	HDMI Video Output Format: 1080/50p, 1080/59,94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p			
	Freeze During Preset Function			
	IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E			
	IP Image output function allows Image monitoring by IP connection with a PC			
	RS422, RS232C In/Out			
	With Compatible Auto-Tracking Software			
	<b>PTZ Camera (2 sets)</b>			
	1/2,3-Type MOS			
	30 x optical zoom (10x digital zoom + Digital Extender)			
	PoE+ Support			
	Audio input function			
	Night Mode*1 - Supports automatic switching			
	High Dynamic Range (HDR) mode			
	Video Output: HDMI			
	HDMI Video Output Format: 1080/50p, 1080/59,94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p			
	Freeze During Preset Function			
	IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E			
	IP Image output function allow			
	<b>PTZ Camera Controller (1 pc)</b>			
	Compatible to PTZ Camera			



	Large touch-panel LCD screen for monitoring and menu setting			
	Joystick for one-handed operation			
	Simplified PTZ camera presets and tracing memory			
	Intuitive design elements based on direct feedback from everyday robotic camera operators			
	3G-SDI Active Through Output, 5 x RS-422, LAN PoE+, 2 x GPIOs			
	<b>Video Mixer (1 pc)</b>			
	8-Channel HDMI Live Streaming Switcher			
	Supports up to 1080p60			
	RTMP Streaming via Ethernet or USB-C			
	Record Program Out and Individual Inputs			
	11-Input, 2-Channel Audio Mixer			
	Input Frame Rate and Format Converter			
	Re-Sync on All HDMI Inputs			
	HD Multiview Output with up to 16 Views			
	Local and Software Switching			
	4 x Upstream, 2 x Downstream Keyers			
	<b>CAT6 Cables for PTZ (1 spool)</b>			
	CAT 6 UTP			
	CAT 6 Cable, 4 Pair, 23 AWG, Solid Bare Copper Conductor, U/UTP, PO Insulation, PVC Jacket, Indoor			
	PVC - Polyvinyl Chloride			
	ISO/IEC 11801			
	TIA 568.2-D Category 6			
	NEMA WC-63.1 Category 6, UL verified to Category 6			
	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital			
	Video, RS-422, 250MHz Category 6			
	<b>Backup HD Cameras (3 sets)</b>			
	1080p Video at 60 fps			
	1/5.8" BSI MOS Sensor			
	50x Optical Zoom & 90x Intelligent Zoom			
	5-Axis HYBRID O.I.S.+ and Level Shot			
	2.7" Touchscreen LCD			
	<b>HDMI Cables (6 pcs)</b>			
	3 meters			
	<b>HDMI-over-IP Extenders (6 sets)</b>			
	120m Over Cat5/5e/6			
	IP/TCP Support 1080P			
	<b>Tripods (6 pcs)</b>			
	Slim-Profile Tripod			
	Folded Width: 3.2", Folded Length: 20.1"			
	Load Capacity: 8.8 lb			
	Max Height: 57.6", Min Height: 15.7"			
	Leg Sections: 4, Weight: 2.2 lb			
	Reversible, Rapid Column			
	Carbon-Fiber Legs, Rubber Feet			
	1/2-Turn Twist Locks, Bubble Level			
	Magnesium-Alloy Ball Head, 90° Tilt			
	360° Pan, Arca-Type Compatible Clamp			

	<b>Installation, Testing, &amp; Commissioning</b>			
<b>3</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Class room and Studio Component</b>	<b>lot</b>	<b>1</b>	<b>615,000.00</b>
	<b>LED Soft panel lights (8 sets)</b>			
	Measures: 8.5 x 10 x 2.5"			
	Beam Angle: 120°			
	Color Temperature: 3200-5600K, CRI: 95			
	110 to 240 VAC Adapter, Battery Option			
	0-100% Dimming, Flicker-Free			
	Includes 4-Leaf Barndoor, Soft Diffuser			
	<b>LED Fresnel Spot lights (8 sets)</b>			
	Up to 50W / 3500K LED Source			
	Barndoors and Gel Frame Included			
	Power-Link up to 26 Units at 230V			
	Power Cord Included			
	<b>Lighting brackets, clamps, and accessories (1 set)</b>			
	To install LED soft panel lights, Fresnel spot lights, and Green Screen in venue as designed by the end-user			
	<b>Green Screen Setup (1 set)</b>			
	Covers half of a 10m W x 10m L x 4 m H diamond room including the floor			
	Can be retractable for non-green screen uses			
	With mounts attached to the room ceiling and walls			
	<b>Rolling TV cart with wheels (2 pcs)</b>			
	Heavy duty for 40" televisions			
	<b>Smart OLED/QLED TV at least 85" (1 unit)</b>			
	Flat screen measuring from 75 to 90" diagonally			
	Up to 4K Ultra HD resolution			
	Native aspect ratio: 16:9			
	With Airplay 2			
	Internet over WiFi or LAN			
	With Smart functionalities			
	Ports: Ethernet/LAN, USB, HDMI			
	<b>40" Television (2 units)</b>			
	Smart HD TV measuring 40" diagonally			
	Native aspect ratio: 16:9			
	With Airplay 2			
	Internet over WiFi or LAN			
	With Smart functionalities			
	Ports: Ethernet/LAN, USB, HDMI			
	<b>HDMI Cables (2 pcs)</b>			
	3 meters			
	<b>Installation, Testing, &amp; Commissioning</b>			
<b>4</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Computer Component</b>	<b>lot</b>	<b>1</b>	<b>550,000.00</b>
	<b>Class Laptop Computer (1 unit)</b>			
	<i>Integrated 8-core CPU, 8-core GPU, and 16-core Neural Engine</i>			
	<i>16GB unified memory</i>			
	<i>512GB SSD storage</i>			

	13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors			
	Backlit Keyboard - US English			
	Two Thunderbolt / USB 4 ports			
	<b>Production Laptop Computer (1 unit)</b>			
	Integrated 10-core CPU, 32-core GPU, and 16-core Neural Engine			
	64GB unified memory			
	1TB SSD storage			
	16.2-inch (diagonal) XDR display; 3456-by-2234 native resolution at 254 pixels per inch			
	Three Thunderbolt 4 ports, HDMI port, SDXC card slot			
	140W USB-C Power Adapter			
	Backlit Keyboard			
	<b>Technical Desktop Computer (1 set)</b>			
	AMD Ryzen 7 high end processor 8 Core Processor upto 3.7Ghz clock speed			
	16GB DDR4 3200MHz RGB RAM			
	B450 feature-rich motherboard			
	Dedicated NVIDIA graphics card, VR-ready			
	500GB high speed NVMe SSD storage			
	1TB HDD 7200rpm			
	750W 80+ gold rated power supply			
	Windowed case, tempered glass side panel			
	Genuine Windows 10 Pro.			
	With Pre installed Declink 4k SDI Capture Card used for livestream and video capture			
	28" 4K UHD Monitor			
	Optical Mouse			
	USB keyboard with backlight			
	<b>Tablet Set (1 set)</b>			
	Multi-Touch Tablet			
	12.9-inch (diagonal) mini-LED-backlit Multi-Touch display with IPS technology			
	2732-by-2048-pixel resolution at 264 pixels per inch (ppi)			
	Integrated Chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU and 16-core Neural Engine			
	512 GB storage			
	WiFi model			
	USB-C Charge Cable (1 meter)			
	20W USB-C Power Adapter			
	Pro camera system: Wide and Ultra Wide cameras			
	Wide: 12MP, f/1.8 aperture			
	Ultra Wide: 10MP, f/2.4 aperture, and 125° field of view			
	2x optical zoom out			
	Digital zoom up to 5x			
	Compatible Stylus through Bluetooth Connection			
	Length: 6.53 inches (166 mm)			
	Diameter: 0.35 inch (8.9 mm)			
	Weight: 0.73 ounce (20.7 grams)			
	Compatible Keyboard			

	Backlit keys with scissor mechanism			
	Designed for Multi-Touch gestures and the cursor			
	USB-C port for charging tablet			
	Foldable into case			
	<b>HDMI Capture Card (2 pcs)</b>			
	Input interface: HDMI input with loop out			
	HDMI input format: comply with HDMI3.1 standard.			
	Host interface: USB2.0, *40MB/s transmission bandwidth			
	Input interface: 1 HDMI interface			
	HDMI video input: HDMI video input 1 channel 1080P/60Hz HDMI HD			
	HDMI input format: Comply with HDMI 1.4a standard, support 1080p/60Hz 8-bit, (RGB, YUV)			
	HDMI output interface: 1 HDMI output port, 1920x1080 frame, 4K-30FPS			
	USB output format: 640x480-1920x1080.			
	Frame rate: 60 fps			
	Audio input interface: LINE IN3.5MM audio input			
	Video sampling rate: HDMI: 165MHz			
	Audio and video capture: Comply with UVC (USB video class), UAC (USB audio class) specifications			
	Support resolution: 4096*2160p and 1920*1080p standard resolution			
	Operating system support: supports x86 and x64 versions of the following operating			
	Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit			
	Color:Black			
	Size:6*6*1.3cm			
	Compatible development interface: "DirectShow (Windows), DirectSound (Windows), V4L2 (Linux), ALSA (Linux)"			
	Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit			
	Upgrade: the firmware can be upgraded			
	Power consumption: <= 3.5W			
	<b>HDMI Splitter (2 pcs)</b>			
	DC 5V power supply			
	HDMI Input to 4 HDMI outputs			
	<b>UPS (1 unit)</b>			
	Output Power Capacity: 325 Watts/650VA			
	Output Frequency: 50/60 Hz +/- 1 Hz			
	Output Connections: (2) Universal Receptacle			
	Nominal Input Voltage: 230V			
	Input Connections: NEMA 5-15P			
	Maximum Input Current: 5A			
	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof			
	Recharging Time			
5	<b>QR Code Scanner Android OS (40 units)</b>	lot	1	720,000.00
	■OS: Android			
	■CPU Speed: 2 GHz			
	■CPU Type: Octa-Core			

■Display: Resolution (Main Display): 2000 x 1200 (WUXGA+)			
■Color Depth (Main Display): 16M			
■Technology (Main Display): TFT			
■Form Factor: Tablet			
■Camera: Rear Camera - Resolution: 8.0 MP			
■Front Camera - Resolution 5.0 MP			
■Rear Camera - Auto Focus: Yes			
■Video Recording Resolution:FHD (1920 x 1080) @ 30fps,			
■Memory: RAM: 3GB			
■External Memory Support: MicroSD (Up to 1TB)			
■ROM Size: 64GB			
■Sensors: Accelerometer, Gyro, Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor			
■Battery Capacity: mAh, Typical 7040			
■Network/Bearer: GSMGSM850, GSM900, DCS1800, PCS1900, 3G UMTSB1 (2100), B2 (1900), B4 (AWS), B5 (850), B8 (900), 4G FDD LTEB1 (2100), B2, (1900), B3 (1800), B4 (AWS), B5, (850), B7 (2600), B8 (900), B12,(700), B17 (700), B20 (800), B28, (700), B66 (AWS-3),4G TDD LTEB38 (2600), B40,(2300),			
■Connectivity: Location Technology GPS, Glonass, Beidou, Galileo USB Version USB 2.0			
■Earjack3.5mm			
■Stereo			
■1Wi-Fi802.11 a / b / g / n / ac			
■2.4G+5GHz, VHT80			
■Bluetooth Version Bluetooth v5.0			
■Bluetooth ProfilesA2DP, AVRCP,			
■DI, HFP, HID, HOGP, HSP, MAP,OPP, PAN, PBAP			
■PC Sync. Smart Switch (PC version)			
■Audio and Video: Video Playing			
■FormatMP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV,WEBM			
■Audio Playing FormatMP3, M4A,3GA, AAC, OGG, OGA, WAV,WMA, AMR, AWB, FLAC, MID,MIDI, XMF, MXMF, IMY, RTTTL,RTX, OTA			
■Video Playing Resolution FHD(1920 x 1080) @ 60fps			
	<b>TOTAL:</b>		<b>2,955,571.43</b>

Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *sixty (60) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. 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 (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *28 March – 18 April 18 2022 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 Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on *March 7, 2022; 9:00 AM* at the *PPO Conference Room, Lower Campus, VSU, Visca, Baybay City, Leyte* and/or through video conferencing or webcasting *via Zoom*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom Meeting ID and Passcode.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before *18 April 18 2022 until 8:30 AM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original, copy 1, and copy 2) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on *18 April 18 2022; 9:00 AM* at the *PPO Conference Room, Lower Campus, VSU, Visca, Baybay City, Leyte* and *via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Zoom Meeting ID and Passcode.

11. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

**Ms. Jessamine C. Ecleo (BAC Secretariat)**  
*Office of the Head for Procurement,*  
*VSU-Main, Visca, Baybay City, Leyte*  
*Mobile: 053 565 0600 local 1093 or 0998 555 0106*  
*Email: [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph)*

**or**

**Mr. Toni Marc L. Dargantes (BAC Secretariat)**  
*Office of the VP for Planning, Resource Generation & Auxiliary Services*  
*VSU-Main, Visca, Baybay City, Leyte*  
*Mobile: 0977 7186594*  
*Email: [tmdargantes@vsu.edu.ph](mailto:tmdargantes@vsu.edu.ph)*

13. You may visit the following websites:

For downloading of Bidding Documents: <https://www.vsu.edu.ph/philgeps-opportunities>

March 25, 2022



**DILBERTO O. FERRAREN**  
*Chairperson, VSU BAC*

## ***Section II. Instructions to Bidders***



## **1. Scope of Bid**

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the *Procurement of Equipment for Smart Campus - Rebidding*, with identification number *GOODS-22-18-R*.

The Procurement Project (referred to herein as “Project”) is composed of *5 items*, the details of which are described in Section VII (Technical Specifications).

## **2. Funding Information**

2.1. The GOP through the source of funding as indicated below for 2022 in the amount of *Two Million Nine Hundred Fifty-Five Thousand Five Hundred Seventy-One and 43/100 Pesos (PhP 2,955,571.43)*.

2.2. The source of funding is: NGA, the Trust Fund.

## **3. Bidding Requirements**

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## **4. Corrupt, Fraudulent, Collusive, and Coercive Practices**

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## **5. Eligible Bidders**

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project; and
- ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## **11. Documents comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Bid Prices**

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in e.
  - b. For Goods offered from abroad:

- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### **13. Bid and Payment Currencies**

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in: Philippine Pesos.

### **14. Bid Security**

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until *August 17, 2022*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **15. Sealing and Marking of Bids**

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

### **16. Deadline for Submission of Bids**

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **17. Opening and Preliminary Examination of Bids**

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

### ***Section III. Bid Data Sheet***

# Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> <li>a. <i>I.T. Equipment, Office Equipment, Communication Equipment, Electronic Equipment or a combination of the foregoing</i></li> <li>b. completed within two (2) years prior to the deadline for the submission and receipt of bids.</li> </ul>
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted <i>DDP VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> <li>a. The amount of not less than <i>Fifty-Nine Thousand One Hundred Eleven and 43/100 Pesos (PhP 59,111.43) or two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <i>One Hundred Forty-Seven Thousand Seven Hundred Seventy-Eight and 57/100 Pesos (PhP 147,778.57) or five percent (5%) of ABC</i> if bid security is in Surety Bond.</li> </ul>
15	<p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</p> <p>For filing purposes, the bidders are urged to use <b>Orange</b> envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items/lots and their corresponding total Approved Budget for the Contract (ABC).</i>
20.2	In case the PhilGEPS Platinum Certificate of Registration is not available during bid submission, it shall be submitted as a post-qualification requirement, in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184.
21.2	<i>Not Applicable.</i>



## ***Section IV. General Conditions of Contract***

## **1. Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## **2. Advance Payment and Terms of Payment**

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## **3. Performance Security**

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## **4. Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## ***Section V. Special Conditions of Contract***

## Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="text-align: center;"><b><i>Ms. Alicia M. Flores</i></b>  <i>Head, Supply and Property Management Office,</i>  <i>VSU-Main, Visca, Baybay City, Leyte</i>  <i>Contact #: 053 565 0600 local 1082 / 0917 6341 430</i>  <i>Email address: alicia.flores@vsu.edu.ph</i></p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ol>
	<p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p>

	<p><b>Spare Parts –</b></p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> <li>a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and</li> <li>ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.</li> </ul> </li> </ul> <p>The spare parts and other components required are listed in <b>Section VI (Schedule of Requirements)</b> and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.</p>
	<p><b>Packaging –</b></p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity. The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity</p>

	Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
2.2	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p><b>Intellectual Property Rights –</b>  The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> <p>Payment of staggered deliveries per contract/PO shall be allowed. Payment shall be on “as per cost of the lots delivered” subject to inspection and acceptance.</p>
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU Main to confirm conformity to the contract specifications at no extra cost to VSU.

## *Section VI. Schedule of Requirements*

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Unit	Qty	Description	Delivered, Weeks/Months
1	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Audio Component -</b>	All Items Should Be Delivered Within <b>60 Calendar Days</b> From Receipt Of Notice To Proceed And Purchase Order
			<b>Audio mixer (1 pc)</b>	
			4 mic XLR/line 1/4 inch jack inputs, 2 with Class A FET high impedance inputs	
			3 band EQ	
			1 pre-fade Aux send	
			1 FX send	
			Sound image pan	
			Stereo returns & playback	
			All inputs with level control	
			Responsive 3-band, swept mid EQ with MusiQ	
			2 stereo sources with MP3 player compatibility	
			Separate 2-track record outputs	
			Stereo playback input for 2-track replay	
			XLR main stereo outputs with inserts	
			Configurable USB stereo audio in/out	
			Stereo monitor outs	
			48V microphone phantom power	
			<b>Lavalier Microphone and Receiver (1 set)</b>	
			2.4GHz ISM Band Operation	
			1 x Body Pack Transmitter	
			1 x Headset Mic	
			1 x Lavalier Mic	
			1 x Half-Rack Receiver	
			Built-In 5-Band Graphic EQ	
			24-Bit Linear PCM Digital Audio	
			Intelligent Feedback Reducer	
			Includes Body Pack Belt Clip & Tie Clip	
			Includes 2 Windscreens & 2 Antennas	
			<b>2-pc Wireless Microphone Set (1 set)</b>	
			2 x PG58 Cardioid Microphone with Transmitters	
			Dual-Channel Tabletop Receiver	
			<b>3-prong cables (5 pcs)</b>	
			1 meter male-to-male XLR connector	
			<b>USB Cable (2pcs)</b>	
			2 meters Male Type A to Male Type B USB Connector	
			<b>Active Speakers (2 sets)</b>	
			600 Watts Loud Speaker with Stand	
			12-inch (305 mm) LF driver, 2-inch (50.8 mm) voice coil	
			1-inch (25.4 mm) neodymium HF compression driver	



			<i>Standard speaker pole socket</i>	
			<i>Balanced XLR/TRS with selectable Mic/Line input. XLR Link Output, Contour EQ switch and Ground-Lift switch</i>	
			<b>Microphone Stand (2 pcs)</b>	
			<i>Tripod Floor Stand With Telescopic Boom Arm</i>	
			<i>2 Microphone Holder Adaptors</i>	
<b>2</b>	<b>lot</b>	<b>1</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Video Component</b>	
			<b>PTZ Camera - With Auto-Tracking Software (1 set)</b>	
			<i>1/2,3-Type MOS</i>	
			<i>30 x optical zoom (10x digital zoom + Digital Extender)</i>	
			<i>PoE+ Support</i>	
			<i>Audio input function</i>	
			<i>Night Mode*1 - Supports automatic switching</i>	
			<i>High Dynamic Range (HDR) mode</i>	
			<i>Video Output: HDMI</i>	
			<i>HDMI Video Output Format: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p</i>	
			<i>Freeze During Preset Function</i>	
			<i>IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E</i>	
			<i>IP Image output function allows Image monitoring by IP connection with a PC</i>	
			<i>RS422, RS232C In/Out</i>	
			<i>With Compatible Auto-Tracking Software</i>	
			<b>PTZ Camera (2 sets)</b>	
			<i>1/2,3-Type MOS</i>	
			<i>30 x optical zoom (10x digital zoom + Digital Extender)</i>	
			<i>PoE+ Support</i>	
			<i>Audio input function</i>	
			<i>Night Mode*1 - Supports automatic switching</i>	
			<i>High Dynamic Range (HDR) mode</i>	
			<i>Video Output: HDMI</i>	
			<i>HDMI Video Output Format: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p</i>	
			<i>Freeze During Preset Function</i>	
			<i>IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E</i>	
			<i>IP Image output function allow</i>	
			<b>PTZ Camera Controller (1 pc)</b>	
			<i>Compatible to PTZ Camera</i>	
			<i>Large touch-panel LCD screen for monitoring and menu setting</i>	
			<i>Joystick for one-handed operation</i>	
			<i>Simplified PTZ camera presets and tracing memory</i>	

			<i>Intuitive design elements based on direct feedback from everyday robotic camera operators</i>
			<i>3G-SDI Active Through Output, 5 x RS-422, LAN PoE+, 2 x GPIOs</i>
			<b>Video Mixer (1 pc)</b>
			<i>8-Channel HDMI Live Streaming Switcher</i>
			<i>Supports up to 1080p60</i>
			<i>RTMP Streaming via Ethernet or USB-C</i>
			<i>Record Program Out and Individual Inputs</i>
			<i>11-Input, 2-Channel Audio Mixer</i>
			<i>Input Frame Rate and Format Converter</i>
			<i>Re-Sync on All HDMI Inputs</i>
			<i>HD Multiview Output with up to 16 Views</i>
			<i>Local and Software Switching</i>
			<i>4 x Upstream, 2 x Downstream Keyers</i>
			<b>CAT6 Cables for PTZ (1 spool)</b>
			<i>CAT 6 UTP</i>
			<i>CAT 6 Cable, 4 Pair, 23 AWG, Solid Bare Copper Conductor, U/UTP, PO Insulation, PVC Jacket, Indoor</i>
			<i>PVC - Polyvinyl Chloride</i>
			<i>ISO/IEC 11801</i>
			<i>TIA 568.2-D Category 6</i>
			<i>NEMA WC-63.1 Category 6, UL verified to Category 6</i>
			<i>Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital</i>
			<i>Video, RS-422, 250MHz Category 6</i>
			<b>Backup HD Cameras (3 sets)</b>
			<i>1080p Video at 60 fps</i>
			<i>1/5.8" BSI MOS Sensor</i>
			<i>50x Optical Zoom &amp; 90x Intelligent Zoom</i>
			<i>5-Axis HYBRID O.I.S.+ and Level Shot</i>
			<i>2.7" Touchscreen LCD</i>
			<b>HDMI Cables (6 pcs)</b>
			<i>3 meters</i>
			<b>HDMI-over-IP Extenders (6 sets)</b>
			<i>120m Over Cat5/5e/6</i>
			<i>IP/TCP Support 1080P</i>
			<b>Tripods (6 pcs)</b>
			<i>Slim-Profile Tripod</i>
			<i>Folded Width: 3.2", Folded Length: 20.1"</i>
			<i>Load Capacity: 8.8 lb</i>
			<i>Max Height: 57.6", Min Height: 15.7"</i>
			<i>Leg Sections: 4, Weight: 2.2 lb</i>
			<i>Reversible, Rapid Column</i>
			<i>Carbon-Fiber Legs, Rubber Feet</i>
			<i>1/2-Turn Twist Locks, Bubble Level</i>
			<i>Magnesium-Alloy Ball Head, 90° Tilt</i>
			<i>360° Pan, Arca-Type Compatible Clamp</i>
			<b>Installation, Testing, &amp; Commissioning</b>

3	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Class room and Studio Component</b>	
			<b>LED Soft panel lights (8 sets)</b>	
			Measures: 8.5 x 10 x 2.5"	
			Beam Angle: 120°	
			Color Temperature: 3200-5600K, CRI: 95	
			110 to 240 VAC Adapter, Battery Option	
			0-100% Dimming, Flicker-Free	
			Includes 4-Leaf Barndoor, Soft Diffuser	
			<b>LED Fresnel Spot lights (8 sets)</b>	
			Up to 50W / 3500K LED Source	
			Barndoors and Gel Frame Included	
			Power-Link up to 26 Units at 230V	
			Power Cord Included	
			<b>Lighting brackets, clamps, and accessories (1 set)</b>	
			To install LED soft panel lights, Fresnel spot lights, and Green Screen in venue as designed by the end-user	
			<b>Green Screen Setup (1 set)</b>	
			Covers half of a 10m W x 10m L x 4 m H diamond room including the floor	
			Can be retractable for non-green screen uses	
			With mounts attached to the room ceiling and walls	
			<b>Rolling TV cart with wheels (2 pcs)</b>	
			Heavy duty for 40" televisions	
			<b>Smart OLED/QLED TV at least 85" (1 unit)</b>	
			Flat screen measuring from 75 to 90" diagonally	
			Up to 4K Ultra HD resolution	
			Native aspect ratio: 16:9	
			With Airplay 2	
			Internet over WiFi or LAN	
			With Smart functionalities	
			Ports: Ethernet/LAN, USB, HDMI	
			<b>40" Television (2 units)</b>	
			Smart HD TV measuring 40" diagonally	
			Native aspect ratio: 16:9	
			With Airplay 2	
			Internet over WiFi or LAN	
			With Smart functionalities	
			Ports: Ethernet/LAN, USB, HDMI	
			<b>HDMI Cables (2 pcs)</b>	
			3 meters	
			<b>Installation, Testing, &amp; Commissioning</b>	
4	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Computer Component</b>	
			<b>Class Laptop Computer (1 unit)</b>	
			<i>Integrated 8-core CPU, 8-core GPU, and 16-core Neural Engine</i>	
			<i>16GB unified memory</i>	
			<i>512GB SSD storage</i>	

			13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors
			Backlit Keyboard - US English
			Two Thunderbolt / USB 4 ports
			<b>Production Laptop Computer (1 unit)</b>
			Integrated 10-core CPU, 32-core GPU, and 16-core Neural Engine
			64GB unified memory
			1TB SSD storage
			16.2-inch (diagonal) XDR display; 3456-by-2234 native resolution at 254 pixels per inch
			Three Thunderbolt 4 ports, HDMI port, SDXC card slot
			140W USB-C Power Adapter
			Backlit Keyboard
			<b>Technical Desktop Computer (1 set)</b>
			AMD Ryzen 7 high end processor 8 Core Processor upto 3.7Ghz clock speed
			16GB DDR4 3200MHz RGB RAM
			B450 feature-rich motherboard
			Dedicated NVIDIA graphics card, VR-ready
			500GB high speed NVMe SSD storage
			1TB HDD 7200rpm
			750W 80+ gold rated power supply
			Windowed case, tempered glass side panel
			Genuine Windows 10 Pro.
			With Pre installed Declink 4k SDI Capture Card used for livestream and video capture
			28" 4K UHD Monitor
			Optical Mouse
			USB keyboard with backlight
			<b>Tablet Set (1 set)</b>
			Multi-Touch Tablet
			12.9-inch (diagonal) mini-LED-backlit Multi-Touch display with IPS technology
			2732-by-2048-pixel resolution at 264 pixels per inch (ppi)
			Integrated Chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU and 16-core Neural Engine
			512 GB storage
			WiFi model
			USB-C Charge Cable (1 meter)
			20W USB-C Power Adapter
			Pro camera system: Wide and Ultra Wide cameras
			Wide: 12MP, f/1.8 aperture
			Ultra Wide: 10MP, f/2.4 aperture, and 125° field of view
			2x optical zoom out
			Digital zoom up to 5x
			Compatible Stylus through Bluetooth Connection
			Length: 6.53 inches (166 mm)
			Diameter: 0.35 inch (8.9 mm)

			Weight: 0.73 ounce (20.7 grams)	
			Compatible Keyboard	
			Backlit keys with scissor mechanism	
			Designed for Multi-Touch gestures and the cursor	
			USB-C port for charging tablet	
			Foldable into case	
			<b>HDMI Capture Card (2 pcs)</b>	
			Input interface: HDMI input with loop out	
			HDMI input format: comply with HDMI3.1 standard.	
			Host interface: USB2.0, *40MB/s transmission bandwidth	
			Input interface: 1 HDMI interface	
			HDMI video input: HDMI video input 1 channel 1080P/60Hz HDMI HD	
			HDMI input format: Comply with HDMI 1.4a standard, support 1080p/60Hz 8-bit, (RGB, YUV)	
			HDMI output interface: 1 HDMI output port, 1920x1080 frame, 4K-30FPS	
			USB output format: 640x480-1920x1080.	
			Frame rate: 60 fps	
			Audio input interface: LINE IN3.5MM audio input	
			Video sampling rate: HDMI: 165MHz	
			Audio and video capture: Comply with UVC (USB video class), UAC (USB audio class) specifications	
			Support resolution: 4096*2160p and 1920*1080p standard resolution	
			Operating system support: supports x86 and x64 versions of the following operating	
			Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit	
			Color:Black	
			Size:6*6*1.3cm	
			Compatible development interface: "DirectShow (Windows), DirectSound (Windows), V4L2 (Linux), ALSA (Linux)"	
			Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit	
			Upgrade: the firmware can be upgraded	
			Power consumption: <= 3.5W	
			<b>HDMI Splitter (2 pcs)</b>	
			DC 5V power supply	
			HDMI Input to 4 HDMI outputs	
			<b>UPS (1 unit)</b>	
			Output Power Capacity: 325 Watts/650VA	
			Output Frequency: 50/60 Hz +/- 1 Hz	
			Output Connections: (2) Universal Receptacle	
			Nominal Input Voltage: 230V	
			Input Connections: NEMA 5-15P	
			Maximum Input Current: 5A	
			Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof	
			Recharging Time	
5	lot	1	<b>QR Code Scanner Android OS (40 units)</b>	

		■OS: Android	
		■CPU Speed: 2 GHz	
		■CPU Type: Octa-Core	
		■Display: Resolution (Main Display): 2000 x 1200 (WUXGA+)	
		■Color Depth (Main Display): 16M	
		■Technology (Main Display): TFT	
		■Form Factor: Tablet	
		■Camera: Rear Camera - Resolution: 8.0 MP	
		■Front Camera - Resolution 5.0 MP	
		■Rear Camera - Auto Focus: Yes	
		■Video Recording Resolution:FHD (1920 x 1080) @ 30fps,	
		■Memory: RAM: 3GB	
		■External Memory Support: MicroSD (Up to 1TB)	
		■ROM Size: 64GB	
		■Sensors: Accelerometer, Gyro, Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor	
		■Battery Capacity: mAh, Typical 7040	
		■Network/Bearer: GSMGSM850, GSM900, DCS1800, PCS1900, 3G UMTSB1 (2100), B2 (1900), B4 (AWS), B5 (850), B8 (900), 4G FDD LTEB1 (2100), B2, (1900), B3 (1800), B4 (AWS), B5, (850), B7 (2600), B8 (900), B12,(700), B17 (700), B20 (800), B28, (700), B66 (AWS-3),4G TDD LTEB38 (2600), B40,(2300),	
		■Connectivity: Location Technology GPS, Glonass, Beidou, Galileo USB Version USB 2.0	
		■Earjack3.5mm	
		■Stereo	
		■1Wi-Fi802.11 a / b / g / n / ac	
		■2.4G+5GHz, VHT80	
		■Bluetooth Version Bluetooth v5.0	
		■Bluetooth ProfilesA2DP, AVRCP,	
		■DI, HFP, HID, HOGP, HSP, MAP,OPP, PAN, PBAP	
		■PC Sync. Smart Switch (PC version)	
		■Audio and Video: Video Playing	
		■FormatMP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV,WEBM	
		■Audio Playing FormatMP3, M4A,3GA, AAC, OGG, OGA, WAV,WMA, AMR, AWB, FLAC, MID,MIDI, XMF, MXMF, IMY, RTTTL,RTX, OTA	
		■Video Playing Resolution FHD(1920 x 1080) @ 60fps	

## ***Section VII. Technical Specifications***

# Technical Specifications

Item No.	Unit	Qty	Description	Statement of Compliance
1	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Audio Component -</b>	[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 etc., 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
			<b>Audio mixer (1 pc)</b>	
			4 mic XLR/line 1/4 inch jack inputs, 2 with Class A FET high impedance inputs	
			3 band EQ	
			1 pre-fade Aux send	
			1 FX send	
			Sound image pan	
			Stereo returns & playback	
			All inputs with level control	
			Responsive 3-band, swept mid EQ with MusiQ	
			2 stereo sources with MP3 player compatibility	
			Separate 2-track record outputs	
			Stereo playback input for 2-track replay	
			XLR main stereo outputs with inserts	
			Configurable USB stereo audio in/out	
			Stereo monitor outs	
			48V microphone phantom power	
			<b>Lavalier Microphone and Receiver (1 set)</b>	
			2.4GHz ISM Band Operation	
			1 x Body Pack Transmitter	
			1 x Headset Mic	
			1 x Lavalier Mic	
			1 x Half-Rack Receiver	
			Built-In 5-Band Graphic EQ	
			24-Bit Linear PCM Digital Audio	
			Intelligent Feedback Reducer	
			Includes Body Pack Belt Clip & Tie Clip	
			Includes 2 Windscreens & 2 Antennas	
			<b>2-pc Wireless Microphone Set (1 set)</b>	
			2 x PG58 Cardioid Microphone with Transmitters	
			Dual-Channel Tabletop Receiver	
			<b>3-prong cables (5 pcs)</b>	
			1 meter male-to-male XLR connector	
			<b>USB Cable (2pcs)</b>	
			2 meters Male Type A to Male Type B USB Connector	
			<b>Active Speakers (2 sets)</b>	
			600 Watts Loud Speaker with Stand	
			12-inch (305 mm) LF driver, 2-inch (50.8 mm) voice coil	
			1-inch (25.4 mm) neodymium HF compression driver	
			Standard speaker pole socket	
			Balanced XLR/TRS with selectable Mic/Line input. XLR Link Output, Contour EQ switch and Ground-	



			Lift switch	issuances.]
			<b>Microphone Stand (2 pcs)</b>	
			Tripod Floor Stand With Telescopic Boom Arm	
			2 Microphone Holder Adoptors	
2	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Video Component</b>	
			<b>PTZ Camera - With Auto-Tracking Software (1 set)</b>	
			1/2,3-Type MOS	
			30 x optical zoom (10x digital zoom + Digital Extender)	
			PoE+ Support	
			Audio input function	
			Night Mode*1 - Supports automatic switching	
			High Dynamic Range (HDR) mode	
			Video Output: HDMI	
			HDMI Video Output Format: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p	
			Freeze During Preset Function	
			IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E	
			IP Image output function allows Image monitoring by IP connection with a PC	
			RS422, RS232C In/Out	
			With Compatible Auto-Tracking Software	
			<b>PTZ Camera (2 sets)</b>	
			1/2,3-Type MOS	
			30 x optical zoom (10x digital zoom + Digital Extender)	
			PoE+ Support	
			Audio input function	
			Night Mode*1 - Supports automatic switching	
			High Dynamic Range (HDR) mode	
			Video Output: HDMI	
			HDMI Video Output Format: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p	
			Freeze During Preset Function	
			IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E	
			IP Image output function allow	
			<b>PTZ Camera Controller (1 pc)</b>	
			Compatible to PTZ Camera	
			Large touch-panel LCD screen for monitoring and menu setting	
			Joystick for one-handed operation	
			Simplified PTZ camera presets and tracing memory	
			Intuitive design elements based on direct feedback from everyday robotic camera operators	
			3G-SDI Active Through Output, 5 x RS-422, LAN	

			PoE+, 2 x GPIOs	
			<b>Video Mixer (1 pc)</b>	
			8-Channel HDMI Live Streaming Switcher	
			Supports up to 1080p60	
			RTMP Streaming via Ethernet or USB-C	
			Record Program Out and Individual Inputs	
			11-Input, 2-Channel Audio Mixer	
			Input Frame Rate and Format Converter	
			Re-Sync on All HDMI Inputs	
			HD Multiview Output with up to 16 Views	
			Local and Software Switching	
			4 x Upstream, 2 x Downstream Keyers	
			<b>CAT6 Cables for PTZ (1 spool)</b>	
			CAT 6 UTP	
			CAT 6 Cable, 4 Pair, 23 AWG, Solid Bare Copper Conductor, U/UTP, PO Insulation, PVC Jacket, Indoor	
			PVC - Polyvinyl Chloride	
			ISO/IEC 11801	
			TIA 568.2-D Category 6	
			NEMA WC-63.1 Category 6, UL verified to Category 6	
			Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital	
			Video, RS-422, 250MHz Category 6	
			<b>Backup HD Cameras (3 sets)</b>	
			1080p Video at 60 fps	
			1/5.8" BSI MOS Sensor	
			50x Optical Zoom & 90x Intelligent Zoom	
			5-Axis HYBRID O.I.S.+ and Level Shot	
			2.7" Touchscreen LCD	
			<b>HDMI Cables (6 pcs)</b>	
			3 meters	
			<b>HDMI-over-IP Extenders (6 sets)</b>	
			120m Over Cat5/5e/6	
			IP/TCP Support 1080P	
			<b>Tripods (6 pcs)</b>	
			Slim-Profile Tripod	
			Folded Width: 3.2", Folded Length: 20.1"	
			Load Capacity: 8.8 lb	
			Max Height: 57.6", Min Height: 15.7"	
			Leg Sections: 4, Weight: 2.2 lb	
			Reversible, Rapid Column	
			Carbon-Fiber Legs, Rubber Feet	
			1/2-Turn Twist Locks, Bubble Level	
			Magnesium-Alloy Ball Head, 90° Tilt	
			360° Pan, Arca-Type Compatible Clamp	
			<b>Installation, Testing, &amp; Commissioning</b>	
3	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Class room and Studio Component</b>	
			<b>LED Soft panel lights (8 sets)</b>	

			Measures: 8.5 x 10 x 2.5"
			Beam Angle: 120°
			Color Temperature: 3200-5600K, CRI: 95
			110 to 240 VAC Adapter, Battery Option
			0-100% Dimming, Flicker-Free
			Includes 4-Leaf Barndoor, Soft Diffuser
			<b>LED Fresnel Spot lights (8 sets)</b>
			Up to 50W / 3500K LED Source
			Barndoors and Gel Frame Included
			Power-Link up to 26 Units at 230V
			Power Cord Included
			<b>Lighting brackets, clamps, and accessories (1 set)</b>
			To install LED soft panel lights, Fresnel spot lights, and Green Screen in venue as designed by the end-user
			<b>Green Screen Setup (1 set)</b>
			Covers half of a 10m W x 10m L x 4 m H diamond room including the floor
			Can be retractable for non-green screen uses
			With mounts attached to the room ceiling and walls
			<b>Rolling TV cart with wheels (2 pcs)</b>
			Heavy duty for 40" televisions
			<b>Smart OLED/QLED TV at least 85" (1 unit)</b>
			Flat screen measuring from 75 to 90" diagonally
			Up to 4K Ultra HD resolution
			Native aspect ratio: 16:9
			With Airplay 2
			Internet over WiFi or LAN
			With Smart functionalities
			Ports: Ethernet/LAN, USB, HDMI
			<b>40" Television (2 units)</b>
			Smart HD TV measuring 40" diagonally
			Native aspect ratio: 16:9
			With Airplay 2
			Internet over WiFi or LAN
			With Smart functionalities
			Ports: Ethernet/LAN, USB, HDMI
			<b>HDMI Cables (2 pcs)</b>
			3 meters
			<b>Installation, Testing, &amp; Commissioning</b>
4	lot	1	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Computer Component</b>
			<b>Class Laptop Computer (1 unit)</b>
			<i>Integrated 8-core CPU, 8-core GPU, and 16-core Neural Engine</i>
			<i>16GB unified memory</i>
			<i>512GB SSD storage</i>
			<i>13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors</i>
			<i>Backlit Keyboard - US English</i>
			<i>Two Thunderbolt / USB 4 ports</i>

			<b>Production Laptop Computer (1 unit)</b>	
			<i>Integrated 10-core CPU, 32-core GPU, and 16-core Neural Engine</i>	
			<i>64GB unified memory</i>	
			<i>1TB SSD storage</i>	
			<i>16.2-inch (diagonal) XDR display; 3456-by-2234 native resolution at 254 pixels per inch</i>	
			<i>Three Thunderbolt 4 ports, HDMI port, SDXC card slot</i>	
			<i>140W USB-C Power Adapter</i>	
			<i>Backlit Keyboard</i>	
			<b>Technical Desktop Computer (1 set)</b>	
			<i>AMD Ryzen 7 high end processor 8 Core Processor upto 3.7Ghz clock speed</i>	
			<i>16GB DDR4 3200MHz RGB RAM</i>	
			<i>B450 feature-rich motherboard</i>	
			<i>Dedicated NVIDIA graphics card, VR-ready</i>	
			<i>500GB high speed NVMe SSD storage</i>	
			<i>1TB HDD 7200rpm</i>	
			<i>750W 80+ gold rated power supply</i>	
			<i>Windowed case, tempered glass side panel</i>	
			<i>Genuine Windows 10 Pro.</i>	
			<i>With Pre installed Declink 4k SDI Capture Card used for livestream and video capture</i>	
			<i>28" 4K UHD Monitor</i>	
			<i>Optical Mouse</i>	
			<i>USB keyboard with backlight</i>	
			<b>Tablet Set (1 set)</b>	
			<i>Multi-Touch Tablet</i>	
			<i>12.9-inch (diagonal) mini-LED-backlit Multi-Touch display with IPS technology</i>	
			<i>2732-by-2048-pixel resolution at 264 pixels per inch (ppi)</i>	
			<i>Integrated Chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU and 16-core Neural Engine</i>	
			<i>512 GB storage</i>	
			<i>WiFi model</i>	
			<i>USB-C Charge Cable (1 meter)</i>	
			<i>20W USB-C Power Adapter</i>	
			<i>Pro camera system: Wide and Ultra Wide cameras</i>	
			<i>Wide: 12MP, f/1.8 aperture</i>	
			<i>Ultra Wide: 10MP, f/2.4 aperture, and 125° field of view</i>	
			<i>2x optical zoom out</i>	
			<i>Digital zoom up to 5x</i>	
			<i>Compatible Stylus through Bluetooth Connection</i>	
			<i>Length: 6.53 inches (166 mm)</i>	
			<i>Diameter: 0.35 inch (8.9 mm)</i>	
			<i>Weight: 0.73 ounce (20.7 grams)</i>	
			<i>Compatible Keyboard</i>	
			<i>Backlit keys with scissor mechanism</i>	
			<i>Designed for Multi-Touch gestures and the cursor</i>	
			<i>USB-C port for charging tablet</i>	

			Foldable into case
			<b>HDMI Capture Card (2 pcs)</b>
			Input interface: HDMI input with loop out
			HDMI input format: comply with HDMI3.1 standard.
			Host interface: USB2.0, *40MB/s transmission bandwidth
			Input interface: 1 HDMI interface
			HDMI video input: HDMI video input 1 channel 1080P/60Hz HDMI HD
			HDMI input format: Comply with HDMI 1.4a standard, support 1080p/60Hz 8-bit, (RGB, YUV)
			HDMI output interface: 1 HDMI output port, 1920x1080 frame, 4K-30FPS
			USB output format: 640x480-1920x1080.
			Frame rate: 60 fps
			Audio input interface: LINE IN3.5MM audio input
			Video sampling rate: HDMI: 165MHz
			Audio and video capture: Comply with UVC (USB video class), UAC (USB audio class) specifications
			Support resolution: 4096*2160p and 1920*1080p standard resolution
			Operating system support: supports x86 and x64 versions of the following operating
			Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit
			Color:Black
			Size:6*6*1.3cm
			Compatible development interface: "DirectShow (Windows), DirectSound (Windows),
			V4L2 (Linux), ALSA (Linux)"
			Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit
			Upgrade: the firmware can be upgraded
			Power consumption: <= 3.5W
			<b>HDMI Splitter (2 pcs)</b>
			DC 5V power supply
			HDMI Input to 4 HDMI outputs
			<b>UPS (1 unit)</b>
			Output Power Capacity: 325 Watts/650VA
			Output Frequency: 50/60 Hz +/- 1 Hz
			Output Connections: (2) Universal Receptacle
			Nominal Input Voltage: 230V
			Input Connections: NEMA 5-15P
			Maximum Input Current: 5A
			Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof
			Recharging Time
5	lot	1	<b>QR Code Scanner Android OS (40 units)</b>
			■OS: Android
			■CPU Speed: 2 GHz
			■CPU Type: Octa-Core
			■Display: Resolution (Main Display): 2000 x 1200 (WUXGA+)

			■Color Depth (Main Display): 16M	
			■Technology (Main Display): TFT	
			■Form Factor: Tablet	
			■Camera: Rear Camera - Resolution: 8.0 MP	
			■Front Camera - Resolution 5.0 MP	
			■Rear Camera - Auto Focus: Yes	
			■Video Recording Resolution:FHD (1920 x 1080) @ 30fps,	
			■Memory: RAM: 3GB	
			■External Memory Support: MicroSD (Up to 1TB)	
			■ROM Size: 64GB	
			■Sensors: Accelerometer, Gyro, Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor	
			■Battery Capacity: mAh, Typical 7040	
			■Network/Bearer: GSMGSM850, GSM900, DCS1800, PCS1900, 3G UMTSB1 (2100), B2 (1900), B4 (AWS), B5 (850), B8 (900), 4G FDD LTEB1 (2100), B2, (1900), B3 (1800), B4 (AWS), B5, (850), B7 (2600), B8 (900), B12,(700), B17 (700), B20 (800), B28, (700), B66 (AWS-3),4G TDD LTEB38 (2600), B40,(2300),	
			■Connectivity: Location Technology GPS, Glonass, Beidou, Galileo USB Version USB 2.0	
			■Earjack3.5mm	
			■Stereo	
			■1Wi-Fi802.11 a / b / g / n / ac	
			■2.4G+5GHz, VHT80	
			■Bluetooth Version Bluetooth v5.0	
			■Bluetooth ProfilesA2DP, AVRCP,	
			■DI, HFP, HID, HOGP, HSP, MAP,OPP, PAN, PBAP	
			■PC Sync. Smart Switch (PC version)	
			■Audio and Video: Video Playing	
			■FormatMP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV,WEBM	
			■Audio Playing FormatMP3, M4A,3GA, AAC, OGG, OGA, WAV,WMA, AMR, AWB, FLAC, MID,MIDI, XMF, MXMF, IMY, RTTTL,RTX, OTA	
			■Video Playing Resolution FHD(1920 x 1080) @ 60fps	

## ***Section VIII. Checklist of Technical and Financial Documents***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,  
**and**
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;  
**and**
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Note: If the bidder submits item (a), bidder may not submit requirements (b), (c) & (d).

#### Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least One Million Four Hundred Seventy-Seven Thousand Seven Hundred Eighty-Five and 82/100 Pesos (PhP 1,477,785.82)*;  
**or**  
Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC or at least One Million Four Hundred Seventy-Seven Thousand Seven Hundred Eighty-Five and 82/100 Pesos (PhP 1,477,785.82)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least Seven Hundred Thirty-Eight Thousand Eight Hundred Ninety-Two and 86/100 Pesos (PhP 738,892.86)*; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications; **and**
- ☐ (j) Schedule of Requirements/production and delivery schedule; **and**
- ☐ (k) Manpower requirements; **and**
- ☐ (l) After-sales service/parts; **and**



- ☐ (m) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (n) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (o) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 2,955,571.43**);  
**or**  
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 295,557.14**).

**II. FINANCIAL COMPONENT ENVELOPE**

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

**Guidelines on the Preparation of Electronic Bid (e-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:

<b>Document</b>	<b>Filename (in PDF form)</b>
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 [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) before the deadline (April 18, 2022; 8:30 AM).



**VISAYAS**  
STATE UNIVERSITY

