



Republic of the Philippines
CEBU NORMAL UNIVERSITY
Osmeña Blvd. Cebu City, 6000 Philippines

Office of the Bids and Awards Committee
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INVITATION TO BID FOR
Completion of Library Modernization Project
(State of the Art Library Facilities)

No. 22-08-616

1. The *Cebu Normal University*, through the *General Appropriations Act of 2021 (continuing)* intends to apply the sum of *Seven Million Five Hundred Eighty-four Thousand Three Hundred Ninety-six Pesos and Eighty Centavos (Php 7,584,396.80)* being the ABC to payments under the contract for *Procurement of Completion of Library Modernization Project (State of the Art Library Facilities)* with *Bid No. 22-08-616: Lot 1 – Vertical Tripod Turnstile (RFID) with Railings & Installation (for 3rd Floor Library Entrance - P 500,000.00; Lot 2 – PABX System with Installation and Augmentation of Structured Cabling - P 500,000.00; Lot 3 – IT Equipment with Installation - P 4,387,896.80 and Lot 4 – Furniture and Fixtures of the Library with Installation - P 2,256,500.00.* Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Cebu Normal University* now invites bids for the Supply, Delivery and Installation of *Completion of Library Modernization Project (State of the Art Library Facilities)*:

Item No.	Quantity	Unit	Item Description	Unit Cost	Total Cost
Completion of Library Modernization Project (State of the Art Library Facilities) (Supply, Delivery and Installation)					
			LOT 1 : Supply and Delivery of Additional Vertical Tripod TURNSTILE (RFID) with Railings& Installation (for 3rd Floor Library Entrance)		
<i>I</i>	1	Lot	Vertical Tripod TURNSTILE (RFID) with Railings	500,000.00	500,000.00
			The body is made of brushed stainless steel which is robust, rigid		
			anti-rust and durable. Tripod turnstile is durable for both indoor		
			and outdoor settings. It can be integrated with any kind		
			of access controller system		

			(e.g. RFID device, Push button, Fingerprint and Biometric device).		
			In case of emergency, the turnstile horizontal arms will drop down		
			to allow free passage when power off.		
			IP-based Door Access Control Panel with time and		
			attendance software 26-bit Wiegand, Proximity Card reader		
			• Must be compatible with the existing RFID Turnstiles of the		
			Library; with free software license; with Railings		
			LOT 1 SUB-TOTAL		500,000.00
			LOT 2 : Supply and Delivery of PABX System with Installation and Augmentation of Structured Cabling		
<i>1</i>	1	unit	PABX System	35,000.00	35,000.00
			6 CO Trunkline		
			16 SLT Phone		
2	1	unit	Proprietary Phone compatible for PABX System	9,000.00	9,000.00
			• 4.4 inch LCD display with backlighting		
			• 36 freely programmable function keys		
			• High Quality wideband voice transmission		
			• Plantronics EHS-compatible		
3	16	units	Single Line Telephone	1,000.00	16,000.00
			Basic ITS; Wall Mountable; Volume Control; One Touch Redial		
4	1	lot	Augmentation of the Structured Cabling (101 nodes)	252,586.00	252,586.00
			• 1 Port Ethernet Wall Plate (15 pcs)		
			• 2 Port Ethernet Wall Plate (86 pcs)		
			• PVC Surface Mount Type Utility Box Electrical Box for Switches & Outlet with Tox/Screw (101 pcs)		
			• Information Outlet I/O Port Tool Less (101 pcs)		
			• Cat 6 Ethernet Cable 300M per box (20 box)		
			• 3/4 Electrical conduit (200 length)		
			• Metal Pull Box 4in x 8in x 8in (10 pcs)		
			• PVC Clamps (1000 pcs)		
			• PVC Moulding 1" (150 length)		
			• 48 Port Cat 6 Patch Panel (3 pcs)		
			• IDF Box 6U (1 pc)		
			• Labor Cost (1 Lot)		

			Please see separate sheet for the Specifications and Layout of the		
			Augmentation of the Structured Cabling		
5			Labor Cost, Materials, Installation and Configuration (Lot 2)	127,414.00	127,414.00
			LOT 2 SUB-TOTAL		440,000.00
			LOT 3 : Supply and Delivery of IT Equipment with Installation		
1	1	lot	Data Center :	650,000.00	650,000.00
			Server		
			Data Center Server inclusion:		
			• UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit		
			• UCS SUPP PSS 8X5X4 UCS C220 M4 SFF w/o CPU, mem, HD		
			• 2.10 GHz E5-2620 v4/85W 8C/20MB Cache/DDR4 2133MHz		
			• 16GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v		
			• 600GB 12G SAS 10K RPM SFF HDD		
			• Intel i350 quad-port MLOM NIC		
			• UCS 770W AC Power Supply for Rack Server		
			• IMC SW (Recommended) latest release for C-Series Servers.		
			• Power Cord, 125VAC 13A NEMA 5-15 Plug, North America		
			• Friction Rail Kit for C220 M4 and M5 rack servers		
			• CPU asset tab ID label (Auto-Expand)		
			• Heat sink for UCS C220 M4 rack servers		
			• Supercap cable 950mm		
			• UCS 2.5 inch HDD blanking panel		
			• 12G SAS Modular Raid Controller		
			• 12Gbps SAS 2GB FBWC Cache module (Raid 0/1/5/6)		
			• ONE Data Center Compute Opt Out Option		
			• C220 M4 Security Bezel		
2	1	unit	Core Switch	320,000.00	320,000.00
			• 24x 1G/10G SFP+ ports		
			• 4x 1G/10G/25G1 SFP ports		
			• 1x USB-C Console Port		
			• 1x OOBM port		
			• 1x USB Type A Host port		
			• 1x Bluetooth dongle to be used with Mobile App		
			• Quad Core ARM Cortex™ A72 @ 1.8GHz		
			• 2 field-replaceable, hot-swappable		

			power supply slots		
			• Memory and Flash: 8 GB DDR4 32 GB eMMC		
3	3	units	Layer 2 Access Switch, 48 Ports (48G PoE+ 4SFP)	230,000.00	690,000.00
			Managed - Rack-Mountable		
			• Layer 2 Switch 48 Ports (48G PoE+ 4SFP) Managed - Rack-Mountable		
			• Layer 2 wired access connectivity ideal for branch offices, mid-market enterprise, and SMBs.		
			• Has 48x 10/100/1000BASE-T and 4x 1G/10G SFP ports.		
			• Power Consumption DescriptionMax Power: 44.2W		
			• Input Voltage100-127 VAC / 200-240 VAC		
			• External I/O Ports48x ports 10/100/1000BASE-T ports 4x 1G/10G SFP ports		
			• Latency1 Gbps: 1.9 µSec , 10 Gbps: 1.8 µSec		
			• Switching Capacity176 Gbps		
			• Throughput 98.6 Mpps		
			• Memory and ProcessorDual Core ARM Cortex A9 @ 1016 Mhz 4 GB DDR3,		
			maximum, depending on model 16 GB eMMC		
4	2	units	Layer 2 Access Switch, 48 Ports (Gigabit)	40,000.00	80,000.00
			Managed - Rack-Mountable		
			• 4-Port Gigabit PoE+ (192W) Managed Switch + 2x Gigabit Ethernet +		
			2x Gigabit SFP/RJ45 Combo Ports/		
			• Total System Ports: 28GE		
			• Copper GE Ports (RJ45): g01–g13, g14–g26		
			• Combo Ports (RJ45 + SFP): 2 combo on ports g27, g28		
			• Status LEDs: System (blue/yellow), Link/Act/PoE		
			• (green/green), Max PoE (amber)		
			• CPU Memory DRAM: 128 MB		
			• Power Dedicated to PoE+: 192W		
			• Number of Ports with PoE+ Support: 24		
			• Green Power Mode: EEE+, Short Reach + Energy Detect		
			• System Power Consumption without PoE+: 110V: 30.73W 220V: 28.88W		
			• Forwarding Rate: 41.67 Mpps		
			• Switching Capacity: 56 Gbps		
5	12	sets	Indoor Access Point	55,000.00	660,000.00

			<ul style="list-style-type: none"> • AP Type: Indoor, Dual Radio, 5 Ghz 802.11ax 4x4 MIMO and 2.4 Ghz 		
			802.11 ax 2x2 MIMO		
			<ul style="list-style-type: none"> • Four Spatial Stream Multi User 		
			<ul style="list-style-type: none"> • AP Supports DC Power and Power Over Ethernet 		
			<ul style="list-style-type: none"> • Space-Time Block Coding Feature 		
			<ul style="list-style-type: none"> • Low Density Parity Check Feature for high efficiency error connection 		
			<ul style="list-style-type: none"> • Transmit beamforming for increased signal reliability and range 		
6	1	set	Wireless Controller	510,000.00	510,000.00
			<ul style="list-style-type: none"> • Controller capable of the 12 indoor access point offered 		
			<ul style="list-style-type: none"> • Maximum concurrent users/devices: 1024 		
			<ul style="list-style-type: none"> • Maximum VLANS: 4096 		
			<ul style="list-style-type: none"> • Concurrent GRE Tunnels: 256 		
			<ul style="list-style-type: none"> • Concurrent Ipsec sessions: 1024 		
			<ul style="list-style-type: none"> • Concurrent SSL Sessions: 1024 		
7	1	units	Interactive Digital Board TV with Android 55 inches (with movable stand)	120,000.00	120,000.00
			Tech Specification:		
			<ul style="list-style-type: none"> • Panel 		
			<ul style="list-style-type: none"> • Screen Size 55" 		
			<ul style="list-style-type: none"> • Panel Technology IPS 		
			<ul style="list-style-type: none"> • Back Light Type Direct 		
			<ul style="list-style-type: none"> • Aspect Ratio 16 : 9 		
			<ul style="list-style-type: none"> • Native Resolution 3,840 x 2,160 (UHD) 		
			<ul style="list-style-type: none"> • Refresh Rate 60Hz 		
			<ul style="list-style-type: none"> • Brightness w/o Glass : 411 nit (Max.), 311 nit (Typ.) 		
			<ul style="list-style-type: none"> • w/ Glass : 380 nit (Max.), 280 nit (Typ.) 		
			<ul style="list-style-type: none"> • Contrast Ratio 1,200:1 		
			<ul style="list-style-type: none"> • Color gamut NTSC 68% 		
			<ul style="list-style-type: none"> • Viewing Angle (H x V) 178 x 178 		
			<ul style="list-style-type: none"> • Color Depth 10bit, 1.07Billion colors 		
			<ul style="list-style-type: none"> • Response Time 8ms (G to G) 		
			<ul style="list-style-type: none"> • Surface Treatment (Haze) Anti Glare, 7H (Mohs) 		
			<ul style="list-style-type: none"> • Life Time (Min.) 30,000 Hrs 		
			<ul style="list-style-type: none"> • Operation Hours (Hours / Days) 16 / 7 		
			<ul style="list-style-type: none"> • Portrait / Landscape No/Yes 		
			Mechanical Specification:		
			<ul style="list-style-type: none"> • Bezel Color Black 		
			<ul style="list-style-type: none"> • Bezel Width(Off Bezel) 18.9 / 18.9 / 18.9 / 45.7 mm 		
			<ul style="list-style-type: none"> • Weight (Head): 27 Kg 		
			<ul style="list-style-type: none"> • Packed Weight: 45.7 Kg 		
			<ul style="list-style-type: none"> • Monitor Dimensions (W × H × D) 		

			1,271 x 774 x 84 mm		
			• Carton Dimensions (W × H × D) 1,450 x 1,015 x 225 mm (Box outer size)		
			• VESA™ Standard Mount Interface 400 x 200		
			Key Feature (Hardware):		
			• Internal Memory 16GB		
			• Wi-Fi: Built-in (Slot type)		
			• Local Key Operation: Yes		
			• Power Indicator: Yes		
			Key Feature (Software):		
			• webOS ver. Android 8.0		
			• Screen Share Yes (Screenshare pro)		
			Connectivity:		
			• Input HDMI (3), HDCP2.2/1.4, RGB, Audio In, RS232C In, RJ45(LAN),		
			USB3.0 Type A (3), USB2.0 Type A (3)		
			• Output HDMI Out (1), Audio Out / Optical Output, Touch USB (2)		
			Sound: Speaker		
			Accessory:		
			• Power Cord 3m x 1, USB Cable (Type A-Type B) 5m x 1,		
			HDMI Cable 3m x 1, Writing Pen (2pcs), User Manual, QSG, Carton Box,		
			Remote Controller (include battery 2ea), Wifi module		
			Touch:		
			• Available Object Size for Touch Ø3 mm ↑		
			• Reponse Time (Based on 'Paint' app on Windows 10 PC)		
			60ms ↓ (Android) / 100ms ↓ (Windows)		
			• Accuracy ±1.5 mm		
			• Interface USB 2.0		
			• Protection Glass Thickness 3T (Anti-Glare)		
			• Protection Glass Transmission 87 %		
			• Operating System Support Windows 7/8/10/WindowsXP/Linux/Mac/Android		
			• (WindowsXP/Linux/Mac Support one point touch)		
			• Multi Touch Point Max. 20 Points		
			Android System:		
			• SoC Dual core A73 + Dual core A53		
			• GPU Dual Core Mail G51		
			• Internal Memory Storage : 16GB		
			• RAM : 3GB		
			• Wi-Fi 802.11a/b/g/n/ac		
			• LAN: Gigabit LAN		
			• Bluetooth: Bluetooth 4.0		
			Comes with Free Movable Stand		
8	2	units	Smart TV 55 inches (with wall mounting bracket)	70,000.00	140,000.00

			• SMART TV: Google TV™		
			• Screen Size: 55" (54.6")		
			• VESA® Hole Pitch(W x H)		
			• 11.81 x 11.81 inch (300 x 300 mm)		
			• Model Year: 2022		
			• HDR(High Dynamic Range) compatibility		
			• Yes (HDR10, HLG, Dolby Vision)		
			• Picture processor		
			• Cognitive Processor XR		
			• Sensor Light		
			• Video signal support		
			• HDMI™ signal: 4096 x 2160p (24, 60 Hz), 3840 x 2160p		
			(24, 30, 60, 120 Hz), 1080p (30, 60, 120 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p		
			Accessories:		
			• Camera Unit (CMU-BC1); Wallmount Bracket (SU-WL855)		
			• Built-in Tuner: CI+		
			• Number of Tuners: (Terrestrial/Cable)		
			• 1(Digital/Analog)		
			• TV System: (Analog) M		
			• TV System:(Digital Cable) Clear QAM		
			• TV System: (Digital Terrestrial)		
			• ATSC/ATSC 3.0(NEXTGEN TV)		
			• Tuner Channel Coverage: (Analog)		
			• VHF: 2-13/UHF: 14-69/CATV: 1-135		
			• Tuner Channel Coverage: (Digital Cable)		
			• CATV: 1-135		
			• Tuner Channel Coverage: (Digital Terrestrial)		
			• VHF: 2–13/UHF: 14–69 (2–13/14–36 for ATSC3.0)		
			• Design: Bezel Color: Black		
			• Bezel Design: Flush Surface		
			• Remote Control: Standard Remote		
			• Stand Color: Dark silver		
			• Stand Position: Two-way position (Standard position/Soundbar position)		
			• Stand design: Metal Slim Blade Stand		
			• With Netflix Calibrated Mode		
			• Software Operating System: Android TV™		
			• Application Store: Yes (Google Play Store)		
			• Auto Calibration with CalMAN®: Yes		
			• Built-in Mic Switch: Yes		
			• With Free Wall Mounting Bracket		
9	15	units	Branded Desktop Computer for E-Library and Service Areas	65,000.00	975,000.00
			• At least 12 Gen Intel Core i5-12400F		

			(18 MB cache, 6 cores, 12 threads, 2.50 GHz to 4.40 GHz Turbo)		
			• 8 GB, 1 x 8 GB, DDR4, 3200 MHz		
			• 1 TB + 256GB M.2 NVME PCIE SSD		
			• NVIDIA GeForce GT730 2GB GDDR5 730		
			• WIRED KB AND MOUSE		
			• Intel Wi-Fi 6 2x2 (Gig+) and Bluetooth		
			• 180 W Bronze internal Power Supply Unit (PSU)		
			• 300 W Bronze internal Power Supply Unit (PSU)		
			• Windows 11		
			• With Licensed Microsoft Office Home and Student 2021		
10	1	unit	Projector with ceiling projector mount and	90,000.00	90,000.00
			Motorized Projector Screen		
			• Standard-Throw Laser Projector with Built-in Wireless		
			• Projection Technology: RGB liquid crystal shutter projection system		
			• LCD Size: 0.61" (C2fine)		
			• Native Resolution: 1080p		
			• Lightsource Type: 230W UHE		
			• Life (Normal / Eco): 5,500 / 12,000 hours		
			• Aspect Ratio: 16:9		
			• Projection Lens: Type: Optical Zoom (Manual) / Focus (Manual);		
			F-Number: 1.51 – 1.99; Focal Length : 18.20 – 29.20 mm;		
			Zoom Ratio: 1 – 1.6; Throw Ratio: 1.32 – 2.14 (Wide to Tele)		
			• Brightness: White Light Output (Normal / Extended) 4,000 lm; Colour Light		
			Output 4,000 lm; Contrast Ratio 16,000:1; Geometric Correction Vertical /		
			Horizontal Keystone $\pm 30^\circ$ / $\pm 30^\circ$ (Auto Vertical Keystone only); Quick Corner		
			Yes; Split Screen Yes; Internal Speakers Monoaural: 16W x 1		
			• Connectivity: Analog Input D-Sub 15Pin 1; Composite 1 (RCA);		
			Digital Input DVI-D NA; HDMI 2; HDBaseT NA; Output Terminal		
			D-Sub 15Pin NA; HDMI NA; Audio Input 2RCA (White & Red) 1;		
			Audio Output Stereo Mini Jack NA; Others USB Type A 1 (For Wireless LAN,		
			Firmware Update, Copy OSD Settings);		

			USB Type B 1 (For Firmware Update , Copy OSD Settings); Control I/O RS-232C NA; Remote		
			Control Input NA; Network Wired LAN NA; Wireless Built-In		
			• Power Supply Voltage 100 – 240 V AC ±10%, 50/60 Hz		
			• Dimension Excluding Feet (D X W X H) 282 x 309 x 90 mm		
			• With Free Universal Projector Bracket Ceiling Mount		
			Motorized Projector Screen: (120" 16:9)		
			• 120-inch Diagonal, 16:9 Aspect Ratio		
			• View Size: 59" H x 105" W.		
			• Matte-White		
			• 180 degree wide viewing angle		
			• Features a streamlined aluminum casing that houses tubular motor		
			• Plug and play ready		
			• 3-Way integrated control switch for easy operation		
			• With remote control		
11			Labor Cost, Materials, Installation and Configuration (Lot 3)	152,896.80	152,896.80
			LOT 3 SUB-TOTAL		4,387,896.80
			Lot 4 : Supply and Delivery of Furniture and Fixtures of the Library with Installation		
1	4	sets	Modular Sofa	88,000.00	352,000.00
			Description: Modular Seating		
			Dimension: W200xD55 cm		
			Cover: Leatherette; Foam: Uratex		
2	6	sets	Four Seater Modular Table	78,000.00	468,000.00
			Leg: Metal Black Frame		
			Table Top: MFC Board		
			With 4 pieces Clerical Chairs with arm rest		
3	1	set	Jaquard Fabric Custom Curtain with Lining Curtain	98,500.00	98,500.00
			Tracks and Accessories for the Function Room		
			Height: Floor to ceiling and wall to wall		
4	1	set	Periodical Display Shelves with Glass Panels in front	166,000.00	166,000.00
			Shelving with drawer panels		
			Dimension: W-2620 D-460 H-2180		
5	1	set	Periodical Display Shelves with Glass		

			Panels in front		
			Shelving with drawer panels	186,000.00	186,000.00
			Dimension: W-2620 D-460 H-2180		
6	1	set	Periodical and Reception Counter (Front)	245,000.00	245,000.00
			With Shelving and Drawers		
			Dimension: W-5600 D-650 H-1600		
7	1	set	Periodical and Reception Counter (Side)	185,000.00	185,000.00
			With Shelving, Drawers and Swing Door		
			Dimension: W-3800 D-650 H-1600		
8	7	sets	Two Seater Modular Table	67,000.00	469,000.00
			Dimension: W-2000 D-450 H-750mm		
			Leg: Metal Black Frame		
			Table Top: MFC Board		
			With 2 pieces Clerical Chairs with arm rest		
9	1	set	Lounge Sofa Set	87,000	87,000.00
			Dimension: W-1780 D-820 H-800mm		
			Cover: Leatherette Touch		
			Material: Flex Foam		
			LOT 4 SUB-TOTAL		2,256,500.00
			OVER ALL TOTAL		7,584,396.80

Delivery of the Goods is required by *Thirty (30) Calendar Days*. 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).

- 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.

- Prospective Bidders may obtain further information from *Cebu Normal University* and inspect the Bidding Documents at the address given below during office hours at *8:00 A.M. to 5:00 P.M.*
- A complete set of Bidding Documents may be acquired by interested Bidders on *September 30 to October 24, 2022* 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 following amounts: Lot 1 - Five Hundred Pesos (Php 500.00); Lot 2 - Five Hundred Pesos (Php 500.00); Lot 3 – Four*

Thousand Five Hundred Pesos (Php 4,500.00) and Lot 4 - Two Thousand Five Hundred Pesos (Php 2,500.00) The Procuring Entity shall allow the bidder to present its proof of payment for the fees if it will be presented in person, by facsimile, or through electronic means.

6. The *Cebu Normal University* will hold a Pre-Bid Conference¹ on *October 10, 2022 at 2:30 P.M.* at the *Tandang Sora Hall, Cebu Normal University, Osmeña Boulevard, Cebu City*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the *BAC Office, Room 203 2nd Floor, Administration Building, Cebu Normal University, Osmeña Boulevard, Cebu City*, on or before *October 24, 2022, 1:00 P.M.* Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *October 24, 2022, 1:30 P.M.* at the *Tandang Sora Hall, Cebu Normal University, Osmeña Boulevard, Cebu City*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *Cebu Normal 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.
11. For further information, please refer to:

*Ann S. Ancajas
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Cebu Normal University
Osmeña Boulevard, Cebu City
6000 Philippines
cnubacsec@gmail.com
(+63 32) 254 1452 local 141 or 125*

12. You may visit the following websites:

For downloading of Bidding Documents: www.philgeps.gov.ph
www.cnu.edu.ph

September 26, 2022



Dr. ANGELINE M. POGOY
BAC Chairperson