VISAYAS STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of Office and I.T. Equipment & Supplies
(GOODS-21-33)

Government of the Republic of the Philippines

July 5, 2021; 2:00 PM
Cooperative Building, VSU Market, 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)

STFI – 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 SUPPLY AND DELIVERY OF OFFICE AND I.T. EQUIPMENT & SUPPLIES

1. The Visayas State University through the *GF, STF, TF 2021* intends to apply the sum of *One Million Seven Hundred Sixty-Eight Thousand Five Hundred Twenty Pesos (PhP 1,768,520.00)* being the ABC to payments under the contract for *Supply and Delivery of Office and I.T. Equipment & Supplies (GOODS-21-33)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

    The *Visayas State University – Main Campus,* through the *GF, STF, TF 2021* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item No.	Item Description & Specifications	QTY	Unit	ABC/Unit	Total ABC
1	**Mouse, Wired, Optical, USB**	4	pcs	210.00	840.00
	◉*USB Port Connectivity*				
	◉*Sensor: Optical*				
	◉*DPI: 1600*				
	◉*Work method: Wired*				
	◉*Buttons: Left button, middle button, right button*				
	◉*Scroll wheel direction: Two way*				
	◉*Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design*				
2	**Computer HD Webcam**	101	pcs	1,000.00	101,000.00
	◉*1080P Full HD Webcam*				
	◉*Lens: HD lens*				
	◉*Sensor Type: CMOS*				
	◉*Video Format: AVI*				
	◉*Frame Rate: at least 30FPS*				
	◉*Drive Type: free drive. Plug and play*				
	◉*Photo Format: BMP JPG*				
	◉*Resolution: 1920 * 1080 P*				
	◉*Output Format: M-JPEG*				
	◉*Interface Type: USB2.0*				
	◉*Microphone: Built-in microphone*				
	◉*Focusing Range: 20mm*				
3	**UPS, 1000 VA**	2	pcs	3,000.00	6,000.00
	◉*1000VA/600W capacity*				
	◉*Frequency Range: 60 Hz*				

	◉*Freq. Range (Batt. Mode): 60 Hz ± 1 Hz*				
	◉*Transfer Time: Typical 4-8 ms*				
	◉*Waveform (Batt. Mode): Simulated Sine Wave*				
	◉*Back-up Runtime: 10-15 mins*				
	◉*Voltage: 220 VAC*				
	◉*Voltage Range: 162-270 VAC*				
4	**USB Hub, 4 gangs**	2	pcs	250.00	500.00
5	**Wi-fi Range Extender, 300Mbps**	1	pc	800.00	800.00
	◉*External antennas for faster and more reliable Wi-Fi*				
	◉*Supports AP mode which creates a new Wi-Fi Access point*				
	◉*Easily expand wireless coverage at a push of the Range Extender button*				
	◉*Set the Power Schedule for the range extender for power-saving*				
	◉*Works with Any Wi-Fi Router*				
6	**Wi-Fi Mesh Router**	1	pc	5,000.00	5,000.00
	◉*IEEE 802.11ac/n/a 5 GHz*				
	◉*IEEE 802.11n/b/g 2.4 GHz*				
	◉*5 GHz: 867 Mbps (802.11ac)*				
	◉*2.4 GHz: 300 Mbps (802.11n)*				
	◉*2× Antennas (Internal)*				
	◉*Beamforming*				
	◉*Dual-Band*				
	◉*MU-MIMO*				
	◉*Router Mode*				
	◉*Access Point Mode*				
	◉*Qualcomm CPU*				
	◉*2× 10/100 Mbps Ports*				
	◉*WPA, WPA2 encryption*				
	◉*SPI Firewall*				
	◉*Access Control*				
7	**Triband Mobile Signal Repeater, Cellphone Signal Booster Amplifier**	5	pcs	6,000.00	30,000.00
	◉*70dB high gain triband signal booster, with AGC gain control function*				
	◉*Support 850MHz + 900MHz + 1800MHz (band 3/5/8)*				
	◉*Improving the voice calls and data transmission for 2G/3G/4G network*				
	◉*Extensive coverage: 300-600 square meters (barrier-free)*				
	◉*Compatible with multiple local operators, suitable for multiple phone users*				
	◉*HD LCD, display real-time signal status, lower radiation*				
8	**Headset with Noise Cancelling Mic**	100	pcs	1,800.00	180,000.00
	◉*Input Impedance: at least 32 Ohms*				
	◉*Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB*				

	◉Sensitivity (microphone): -17 dBV/Pa +/- 4 dB				
	◉Frequency response (Headset): 20 Hz - 20 KHz				
	◉Frequency response (Microphone): 100 Hz - 10 KHz				
	◉Cable Length: at least 7 ft				
	◉Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter				
9	**DVD+RW 8x 4.7Gb w/indiv case**	50	pcs	50.00	2,500.00
10	**Ink, Epson 003,Genuine Black 65mL**	180	pcs	350.00	63,000.00
11	**Ink, Epson, genuine (C) T664, 70 ml**	60	pcs	350.00	21,000.00
12	**Ink, Epson, genuine, (BK) T664, 70 ml**	90	pcs	350.00	31,500.00
13	**Ink, Epson, genuine, (Y) T664, 70 ml**	60	pcs	350.00	21,000.00
14	**Ink, Epson, genuine (M) T664, 70 ml**	60	pcs	350.00	21,000.00
15	**Smart Phone, 128 GB ROM, 8GB RAM**	2	units	14,990.00	29,980.00
	◉Display Type: TFT				
	◉6.4 to 6.5 inches display				
	◉720 x 1600 pixels, 20:9 ratio (~270 ppi density)				
	◉Android 11, One UI 3.0				
	◉MediaTek MT6853 Dimensity 720 5G (7 nm) or higher				
	◉Octa-core (2x2.0 GHz Cortex-A76 & 6x2.0 GHz Cortex-A55) or higher				
	◉microSDXC (uses shared SIM slot)				
	◉Quad camera with At least 48 MP, f/2.0, 26mm (wide), 1/2.0", 0.8μm, PDA Fat least 8 MP, f/2.2, 123˚, (ultrawide), 1/4.0", 1.12μmat least 5 MP, f/2.4, (macro)at least 2 MP, f/2.4, (depth)				
	◉At least 128GB storage, 8GB RAM or higher				
	◉Video: 4K@30fps, 1080p@30/120fps or higher				
	◉Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot				
	◉Yes, with A-GPS, GLONASS, GALILEO, BDS				
	◉USB Type-C 2.0, USB On-The-Go				
	◉At least Li-Po 5000 mAh, non-removable				
16	**Laptop, 13.3", Retina Display, M1 Chip**	1	unit	80,000.00	80,000.00
	◉13.3 inch (diagonal) LED-backlit display with IPS Technology: 2560 by 1600 native resolution at 227 pixels per inch with support for million of colors				
	◉400 nits brightness				
	◉Wide color (P3)				
	◉True tone technology				
	◉M1 chip: 8 core CPU with 4 performance cores and 4 efficiency cores, 8 core GPU, 16 core Neural Engine				
	◉Battery and Power: Up to 15 hours wireless web, Up to 18 hours Apple TV app movie playback, Built in 49.9 watt hour lithium polymer battery, 30W USB-C Power Adapter				
	◉Charging and Expansion Two Thunderbolt/ USB 4 ports with support for: with Display Port, Thunderbolt 3 (up to 49Gb/s), USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s)				

	◉Memory 512GB: 512GB unified memory Configurable to 1TB or 2TB				
	◉Keyboard and Trackpad Backlit Magic Keyboard with: 78 (US) or 79 (ISO) keys including 12 function keys and 4 arrows keys in an inverted T arrangement, Ambient light sensor, Force Touch trackpad for precise cursor control and pressure sensing capabilities: enables Force clicks, accelerators, pressure sensitive drawing and Multi-Touch gestures				
	◉with Touch ID Sensor				
	◉Wireless WiFi: 802.11 ax Wi-Fi 6 wireless networking, IEEE 802.11 a/b/g/n/ac compatible				
	◉with Bluetooth 5.0 wireless technology				
	◉with at least 720p Face Time HD camera				
	◉Video Support – Simultaneously supports full native resolution on the built-in display at millions of colors				
	◉Thunderbolt 3 digital video output: Native Display Port output over USB-C, VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters				
	◉Audio: Stereo speakers, Wide stereo sound, Support for Dolby Atmos playback, Three-mic array with directional beamforming, 3.5 mm headphone jack				
17	**External Hard Disk Drive (Portable, 2TB), USB 3.1**	4	pcs	4,200.00	16,800.00
	◉Shock-absorbing silicon casing				
	◉Interface: USB 3.1 (Max.5Gb/s)				
	◉Capacity: 2TB				
	◉Texture: Plastic/Rubber				
	◉Operating Voltage: DC 5V, 900mA				
	◉System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
18	**Desktop Computer (i7 Branded)**	1	set	75,000.00	75,000.00
	◉CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher				
	◉HDD: 256GB M.2 PCIe NVMe Solid State Drive + 1TB 7200 rpm 3.5" SATA Hard Drive				
	◉RAM: 8GB (8GBx1) DDR4 2666MHz				
	◉Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5				
	◉Screen: 23" IPS Monitor FHD				
	◉Optical Drive: No Optical Drive				
	◉OS: Windows 10 Home Single Language (64bit) English				
19	**Solid State Drive, 1TB**	2	pcs	7,000.00	14,000.00
	◉Storage Capacity: 1TB				
	◉Interface: SATA III 6GB/s				
	◉Type: 2.5in				
	◉Sequential Reading Speed: 545MB/s				
	◉Sequential Writing Speed: 430MB/s				
20	**Desktop Computer, Apple M1 Processor**	1	set	88,000.00	88,000.00
	◉M1 chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine				

	◉*256GB SSD*				
	◉*8GB unified memory*				
	◉*24-inch 4.5K Retina display (4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors*				
	◉*500 nits brightness), Wide color (P3), True Tone technology*				
	◉*1080p HD camera with M1 image signal processor*				
	◉*Six-speaker sound system icon, High-fidelity six-speaker system with force-cancelling woofers*				
	◉*Wide stereo sound*				
	◉*Studio-quality three-mic icon, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming*				
	◉*DisplayPort*				
	◉*Thunderbolt 3 (up to 40Gb/s)*				
	◉*USB 4 (up to 40Gb/s)*				
	◉*USB 3.1 Gen 2 (up to 10Gb/s)*				
	◉*Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)*				
	◉*3.5 mm headphone jack*				
	◉*802.11ax Wi-Fi 6 wireless networking*				
	◉*IEEE 802.11a/b/g/n/ac compatible*				
	◉*Bluetooth 5.0 wireless technology*				
	◉*Magic Keyboard*				
	◉*Magic Mouse*				
21	**Mirrorless Camera, 24MP APS-C**	1	set	50,000.00	50,000.00
	◉*24.1MP APS-C CMOS Sensor*				
	◉*Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor*				
	◉*UHD 4K and HD 720p120 Video Recording*				
	◉*Dual Pixel CMOS AF with Eye Detect AF*				
	◉*2.36m-Dot OLED Electronic Viewfinder*				
	◉*3.0" 1.04m-Dot Vari-Angle Touchscreen*				
	◉*Wi-Fi and Bluetooth; Webcam Capability*				
	◉*Extended ISO 51200, 10 fps Shooting*				
	◉*Combination 5-Axis Image Stabilization*				
	◉*Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens*				
22	**Tablet 10.9", 64GB, iPadOS, Wifi + Cellular**	2	units	42,000.00	84,000.00
	◉*64GB Storage Capacity*				
	◉*A14 Bionic chip with 64-bit architecture, Neural Engine*				
	◉*10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology*				
	◉*2360-by-1640-pixel resolution at 264 pixels per inch (ppi)*				
	◉*Wide color display (P3)*				
	◉*True Tone display*				
	◉*Fingerprint-resistant oleophobic coating*				

	◉Fully laminated display				
	◉Antireflective coating				
	◉12MP Wide camera				
	◉f/1.8 aperture				
	◉Five-element lens				
	◉Hybrid IR filter				
	◉4K video recording at 24 fps, 30 fps, or 60 fps				
	◉1080p HD video recording at 30 fps or 60 fps				
	◉Slo-mo video support for 1080p at 120 fps or 240 fps				
	◉7MP photos				
	◉f/2.2 aperture				
	◉1080p HD video recording at 60 fps				
	◉Wide color capture for photos and Live Photos				
	◉Smart HDR				
	◉Stereo speakers				
	◉Dual microphones for calls, video recording, and audio recording				
	◉802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO				
	◉UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)				
	◉Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4				
	◉Bluetooth 5.0 technology				
	◉iPadOS 14				
23	**Laptop 14" (i5)**	1	unit	44,000.00	44,000.00
	◉Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher				
	◉Operating system: Windows 10 Home				
	◉Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)				
	◉Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC				
	◉Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM				
	◉Storage: 512GB PCIe Gen3 x2 SSD				
24	**Printer, Ink Tank, Print Only**	3	units	10,000.00	30,000.00
	◉Printing Technology: On-demand inkjet (Piezoelectric)				
	◉Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)				
	◉Print Direction: Bi-directional printing				
	◉Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	◉Minimum Ink Droplet Size: 3 pl				
	◉Compact integrated tank design				
	◉High yield ink bottles				

	◉Spill-free, error-free refilling				
	◉Borderless printing up to 4R				
25	**Desktop Computer (i3)**	1	set	30,000.00	30,000.00
	◉Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz) or higher				
	◉Motherboard: Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151				
	◉8GB DDR4 2400 DIMM Desktop Memory				
	◉SSD: 240GB				
	◉Keyboard and Mouse Combo				
	◉Casing with Power Supply				
	◉Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,				
	◉Operating System: Genuine Windows 10 Home (OEM)				
	◉AVR: 500W IC controlled				
26	**ATX Power Supply (500W)**	2	pcs	980.00	1,960.00
	◉Single 6pin				
	◉24pin connector				
	◉Dual 4pin for board				
	◉4 sata supply				
	◉4 molex supply				
27	**Computer Monitor 24", IPS**	2	pcs	10,000.00	20,000.00
	◉Panel Size: Wide Screen 23.8"(60.5cm) 16:9				
	◉Color Saturation : 72%(NTSC)				
	◉Panel Type : In-Plane Switching				
	◉True Resolution : 1920x1080				
	◉Brightness(Max) : 250 cd/m				
	◉Contrast Ratio (Max) : 1000:1				
	◉Response Time : 5ms (Gray to Gray)				
	◉Display Colors : 16.7M				
	◉Flicker free				
28	**Monitor Stand, Dual Articulating, C-Clamp and Grommet Option**	1	pc	3,500.00	3,500.00
	◉Material: Steel				
	◉Supported Flat-Panel Screen Sizes: 13" to 32"				
	◉Cable clips keep cables organized and protected				
	◉Max Load: 8 kg / 17.6lbs				
	◉Clamp: 10-88mm (table thickness)				
	◉Grommet: 10-75mm (table thickness)				
	◉VESA: 75x75,100x100				
	◉Tilt Range:+45°~-45°				
	◉Swivel Range:+90°~-90°				
	◉Screen Rotation:+180°~-180°				

	◉Installation: Grommet, Clamp				
29	**Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)**	3	units	8,000.00	24,000.00
	◉Tank Ink System				
	◉Printer Type: Print, Scan and Copy				
	◉Scanner Type: Flatbed colour image scanner				
	◉Sensor Type: CIS				
	◉Optical Resolution: 600 x 1200 dpi				
	◉Copy Speed: Maximum Copies from Standalone: 20 copies				
	◉Maximum Copy Size: A4, Letter				
	◉ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm				
	◉Max Copy Resolution: 300 x 300 dpi				
	◉Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard				
	◉Output Capacity: Up to 30 sheets				
	◉A4 plain paper: 20 sheets, Premium Glossy Photo Paper				
	◉Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")				
	◉Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)				
	◉Print Direction: Bi-directional printing				
	◉Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	◉Minimum Ink Droplet Size: 3 pl				
30	**Ribbon Cartridge EPSON S015639**	10	pcs	165.00	1,650.00
	◉Ribbon Cartridge S015639 for EPSON LQ-310 printer				
31	**HP Ink Cartridge 678 Black**	5	pcs	450.00	2,250.00
32	**HP Ink Cartridge 678 Tricolor**	10	pcs	450.00	4,500.00
33	**Computer ribbon, EPSON SO15531/15086, Genuine**	10	pcs	765.00	7,650.00
34	**Computer Printer, All-in-One/Multifunction Colored-Ink Tank**	3	units	11,000.00	33,000.00
	◉Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour				
	◉Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles				
	◉Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices				
	◉3-in-1: Print, copy & scan and borderless photo printing				
	◉Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color				
	◉Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology				
	◉Ink Technology: Dye Ink				
	◉Printing Resolution: 5,760 x 1,440 DPI				
35	**UPS, at least 800 watts**	1	pc	5,000.00	5,000.00
36	**Flash Drive, at least 32GB USB 3.0**	4	pcs	800.00	3,200.00
37	**LCD Projector, XGA (1024x768)**	1	unit	27,000.00	27,000.00

	◉Projection System: 3LCD Technology, RGB liquid crystal shutter				
	◉Projection Method: Front/rear/ceiling mount				
	◉Pixel Number: at least 786,432 dots (1024 x 768) x 3				
	◉Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4				
	◉Aspect ratio: 4:3				
	◉Lamp Life: ECO Mode up to 5000 hrs				
	◉Normal Mode up to 4000 hrs				
	◉Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen)				
	◉Keystone Correction: Manual				
	◉USB Plug 'n Play: Compatible w/ PC and MAC computers				
	◉Contrast Ratio: 15.000 : 1				
	◉Color Reproduction: 16.77 million color				
38	**Laptop 14" (i3)**	1	unit	33,000.00	33,000.00
	◉Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher				
	◉Operating System : Windows 10 Home				
	◉Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM				
	◉Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC				
	◉Graphics : Integrated Intel UHD Graphics				
	◉Storage : 512GB PCIe Gen3 x2 SSD				
	◉Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0				
	◉Battery : 2 -Cell 32 Wh lithium-polymer battery				
39	**Web Camera for Laptop and Desktop**	7	pcs	720.00	5,040.00
	◉About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.				
	◉With clips for laptops and desktops.				
	◉Sensor pixels: 2 million				
	◉Interface: USB 2.0				
	◉Frame rate: 30 FPS				
	◉Image sensor: CMOS				
	◉Brightness/color: automatically adjusts				
	◉Additional features: built-in microphone				
40	**Headset (Wired), Generic Over the Ear with mic**	7	sets	250.00	1,750.00
	◉Line is equipped with a rotary volume controller, one key Mic mute,				
	◉Frequency Range:20-20K(Hz)				
	◉Sensitivity:-52(dB)				
	◉Impedance:32(Ohm)				
	◉Speaker Diameter:40(mm)				
	◉Distortion Rate:0.8%				
	◉Plug Diameter:3.5mm				

41	**Desktop Computer (Assembled), Intel Core i5**	3	sets	60,000.00	180,000.00
	◉*Intel® Core™ i5-10400 Processor 12M Cache, up to 4.30 GHz (6 Cores and 12 Threads) or higher*				
	◉*Intel H470 Chipset Ultradurable mATX Motherboard*				
	◉*16GB Kit (2 x 8GB) DDR4-3200 Desktop Gaming Memory*				
	◉*500GB NVME Solid State Drive*				
	◉*mATX Casing with 650W PSU 80 PLUS GOLD*				
	◉*Genuine Windows 10 Home Operating System*				
	◉*Gaming Keyboard and Optical Mouse*				
	◉*27" IPS Monitor with Frameless Bezel (Full HD with 75Hz Refresh Rate)*				
	◉*325WATTS/650VA Battery Backup & Surge Protector UPS*				
42	**Desktop Computer (i5)**	2	sets	45,000.00	90,000.00
	◉*Processor:*				
	◀*Intel Core i5 9400F or higher*				
	◉*Motherboard:*				
	◀*Intel H310 Chipset*				
	◀*Anti-Sulfur Resistors Design*				
	◀*Gaming LAN with Bandwidth Management*				
	◉*Memory:*				
	◀*16GB (2x8) DDR4 or higher*				
	◉*SSD: 500GB M.2,*				
	◉*Optical Drive: DVD-RW*				
	◉*Casing: W/ 700W PSU,*				
	◉*Monitor: 23" IPS FHD,*				
	◉*Operating System:*				
	◀*Genuine Windows 10 Home (OEM)*				
	◉*Keyboard and mouse combo*				
	◉*500W IC controlled AVR*				
	◉*Stereo speakers*				
43	**Lapel Voice Amplifier**	1	pc	800.00	800.00
	◉*Compact, portable and lightweight*				
	◉*Lithium-ion power body-pack amplifier*				
	◉*Power Output: 30W*				
	◉*Mode: USB/MP3/FM*				
	◉*Charger Voltage: 10V 450mA*				
	◉*Frequency response: 100Hz-10KHz±3dB*				
	◉*Set of: 1 Voice Amplifier, 1 Power Adaptor, 1 Headset Microphone, 1 Body-pack case, 1 Belt Strap, 1 User Manual*				
44	**Netbook Laptop, Intel Celeron**	1	unit	15,000.00	15,000.00
	◉*Intel® Celeron® Processor N3350 , up to 2.4GHz*				
	◉*Intel HD Graphics 500 GPU*				
	◉*14.1 inch HD resolution*				

	◉4GB RAM for Advanced Multitasking				
	◉128GB EMMC Storage Capacity				
	◉38000mWh Large Battery				
	◉Mini-HDMI Output & Two standard USB 3.0 Slot				
45	**Smartphone, 6GB RAM, 64GB ROM, Snapdragon 732**	1	unit	13,000.00	13,000.00
	◉6GB RAM				
	◉64GB ROM				
	◉108MP Quad Camera				
	◉6.67" AMOLED 120Hz DotDisplay				
	◉Snapdragon 732				
	◉5020 mAh battery 33W Fast Charging				
46	**Android Smartphone**	1	unit	7,000.00	7,000.00
	◉Specification:				
	▬Chipset: Mediatek Helio G80 (12 nm)				
	▬Operating system: Android 10				
	▬ROM: at least 32 GB				
	▬RAM: at least 3GB				
	▬Screen Type: IPS LCD, at least 400 nits				
	▬Camera Front : at least 8 MP				
	▬Primary(Back) Camera Resolution at least 13MP				
	▬Resolution: at least 1080 x 2340 pixels				
	▬SIM: Dual SIM (Nano-SIM, dual stand-by)				
47	**Wireless Access Point**	2	units	9,900.00	19,800.00
	◉Dimensions 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")				
	◉Weight				
	◉With Mounting Kits				
	◉300 g (10.6 oz)				
	◉315 g (11.1 oz)				
	◉Networking Interface (1) 10/100/1000 Ethernet Port				
	◉Buttons Reset				
	◉Power Method 802.3af PoE				
	◉Power Supply UniFi Switch (PoE)				
	◉Power Save Supported				
	◉Beamforming Supported				
	◉Maximum Power Consumption 10.5W				
	◉Supported Voltage Range 44 to 57VDC				
	◉TX Power				
	◉2.4 GHz				
	◉5 GHz				
	◉23 dBm				
	◉26 dBm				
	◉MIMO				

	◉2.4 GHz				
	◉5 GHz				
	◉2x2				
	◉4x4				
	◉Radio Rates				
	◉2.4 GHz				
	◉5 GHz				
	◉300 Mbps				
	◉1733 Mbps				
	◉Antennas				
	◉2.4 GHz				
	◉5 GHz				
	◉(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each				
	◉(2) Single-Port, Dual-Polarity Antennas, 3 dBi each				
	◉Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2				
	◉Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF				
	◉BSSID 8 per Radio				
	◉Mounting Wall/Ceiling (Kits Included)				
	◉Operating Temperature -10 to 70° C (14 to 158° F)				
	◉Operating Humidity 5 to 95% Noncondensing				
	◉Certifications CE, FCC, IC				
	◉Advanced Traffic Management				
	◉VLAN 802.1Q				
	◉Advanced QoS Per-User Rate Limiting				
	◉Guest Traffic Isolation Supported				
	◉WMM Voice, Video, Best Effort, and Background				
	◉Concurrent Clients 200+				
	◉Supported Data Rates (Mbps)				
	◉Standard Data Rates				
	◉802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps				
	◉802.11n 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)				
	◉802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)				
	◉58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)				
	◉802.11b 1, 2, 5.5, 11 Mbps				
	◉802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps				
	◉Should be compatible with existing UniFi Controller				
48	**GPS NAVIGATOR**	1	unit	8,000.00	8,000.00
	◉Physical Dimensions:2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)				
	◉Display Size:1.4" x 1.7" (3.6 x 4.3 cm); 2.2" diag (5.6 cm)				
	◉Display Resolution:128 x 160 pixels				

	◉Display Type:transflective, monochrome				
	◉Battery Type:2 AA batteries (not included); NiMH or Lithium recommended				
	◉Battery Life: 25 hours				
49	**Air Condition Non-Inverter Window type 0.5HP, Standard size**	1	unit	14,500.00	14,500.00
	◉at most 600 Watts				
	◉cooling capacity: at least 5000 Kilo joules per hour				
	◉at least EER 10.0				
50	**Air condition, split type, Inverter, 1HP**	1	unit	40,000.00	40,000.00
	◉Cooling capacity: at least 9,400 kj/hr				
	◉wall mounted				
	◉EER rating above 10				
	◉with remote control				
	◉with one year warranty on parts and services				
	◉with free installation				
51	**Blender, 1.5 L**	2	pcs	1,500.00	3,000.00
	◉Blender · Countertop Blender · Variable Speed				
	◉Glass type blender-250 Watts-1.5 Liter Capacity-4 speed function-Dry grinds spices, peas and fruits Astron				
52	**Water Dispenser, Cabinet type**	2	units	10,000.00	20,000.00
	◉Floor standing				
	◉Hot and cold function				
	◉plastic body,high efficiency compressor				
	◉thermally protected				
53	**Portable Trolley Speaker**	1		8,000.00	8,000.00
	▬LED Lights				
	▬2 Wireless				
	▬Microphone				
	▬Built-in-Battery				
	▬USB				
	▬Bluetooth / NFC				
	▬FM				
	▬Line-in Guitar				
	▬Input / Mic				
	▬Remote Control				
	▬Rechargeable				
	▬Battery				
	▬Power: 500W				
54	**Smart Television 65"**	2		75,000.00	150,000.00
	◉Screen Size: 65"				
	◉Resolution: 3,840 × 2,160				
	◉Picture Engine: UHD Upscaling				
	◉Motion Rate: 120				

	◉PQI (Picture Quality Index): 1400				
	◉with HDR (High Dynamic Range)				
	◉Dynamic Contrast Ratio: Mega Contrast				
	◉Micro Dimming: UHD Dimming				
	◉PurColor, Auto Depth Enhancer				
	◉Auto Motion Plus, Film Mode				
	◉Dolby Digital Plus, DTS Codec				
	◉Sound Output (RMS): 20W				
	◉Speaker Type: 2CH(Down Firing w/Bass Reflex)				
	◉Multiroom Link, Web Browser, Smart View				
	◉TV to Mobile – Mirroring				
	◉Mobile to TV - Mirroring, DLNA				
	◉360 Video Player, WiFi Direct, Analog Clean View				
	◉Digital Broadcasting: ISDB-T				
	◉with Analog Tuner				
	◉HDMI: 3				
	◉USB: 2				
	◉with Ethernet (LAN)				
	◉Digital Audio Out (Optical): 1				
	◉RF In (Terrestrial / Cable input): 1/1(Common Use for Terrestrial)/0				
	◉HDMI A / Return Ch. Support				
	◉HDMI Quick Switch, Wireless LAN Built-in, Anynet+ (HDMI-CEC)				
	◉Slim Type: Slim				
	◉Processor: Quad Core				
	◉Digital Clean View, Auto Channel Search, Auto Power Off				
	◉Power Supply: AC100-240V 50/60Hz				
	◉Power Consumption (Max): 265W				
	◉Accessory: Remote Controller				
	◉Batteries, Mini Wall Mount Support, Vesa Wall Mount Support, User Manual				
	◉E-Manual, Power Cable, Slim Gender Cable				
				TOTAL ABC (this project):	**1,768,520.00**

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

2.   The *Visayas State University – Main Campus* now invites bids for the above Procurement Project.   Delivery of the Goods is required by *forty-five (45) 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 *14 June – 05 July 2021 until 1:30 PM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of *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 – Main Campus* will hold a Pre-Bid Conference on *June 21, 2021; 2:00 PM* at *the Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or through video conferencing or webcasting *via Google Meet,* which shall be open to prospective bidders.

    Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Google Meet link.

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 *05 July 2021 until 1:30 PM*. 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 *05 July 2021; 2:00 PM* at the *Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or via *Google Meet.* 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 Google Meet link.

10. For bidders who opt to submit their bids electronically, a hardcopy (original) of the bid must be sent to the BAC through couriers. A proof (e.g. courier receipt, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.

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

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: 053 565 0600 local 1004 or 0977 7186594
Email: tmdargantes@vsu.edu.ph

13.   You may visit the following websites:

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

June 11, 2021

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 *Supply and Delivery of Office and I.T. Equipment & Supplies*, with identification number *GOODS-21-33*.

The Procurement Project (referred to herein as "Project") is composed of *54 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 *2021* in the amount of *One Million Seven Hundred Sixty-Eight Thousand Five Hundred Twenty Pesos (PhP 1,768,520.00).*

2.2.   The source of funding is: NGA, the General Appropriations Act (GAA), Special Appropriations, and 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:

Bidders 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 *November 04, 2021*. 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	For this purpose, contracts similar to the Project shall be: a. *Office Equipment, I.T. Equipment and/or Supplies, combination of the foregoing* b. completed within two (2) years prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted *DDP VSU Main, Visca, Baybay City, Leyte* or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than *Thirty-Five Thousand Three Hundred Seventy and 40/100 Pesos (PhP 35,370.40) or two percent (2%) of ABC*, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than *Eighty-Eight Thousand Four Hundred Twenty-Six Pesos (PhP 88,426.00) or five percent (5%) of ABC* if bid security is in Surety Bond.
19.3	

Item No.	Item Description & Specifications	Total ABC
1	Mouse, Wired, Optical, USB	840.00
2	Computer HD Webcam	101,000.00
3	UPS, 1000 VA	6,000.00
4	USB Hub, 4 gangs	500.00
5	Wi-fi Range Extender, 300Mbps	800.00
6	Wi-Fi Mesh Router	5,000.00
7	Triband Mobile Signal Repeater, Cellphone Signal Booster Amplifier	30,000.00
8	Headset with Noise Cancelling Mic	180,000.00
9	DVD+RW 8x 4.7Gb w/indiv case	2,500.00
10	Ink, Epson 003,Genuine Black 65mL	63,000.00
11	Ink, Epson, genuine (C) T664, 70 ml	21,000.00
12	Ink, Epson, genuine, (BK) T664, 70 ml	31,500.00
13	Ink, Epson, genuine, (Y) T664, 70 ml	21,000.00
14	Ink, Epson, genuine (M) T664, 70 ml	21,000.00
15	Smart Phone, 128 GB ROM, 8GB RAM	29,980.00

	16	Laptop, 13.3", Retina Display, M1 Chip	80,000.00	
	17	External Hard Disk Drive (Portable, 2TB), USB 3.1	16,800.00	
	18	Desktop Computer (i7 Branded)	75,000.00	
	19	Solid State Drive, 1TB	14,000.00	
	20	Desktop Computer, Apple M1 Processor	88,000.00	
	21	Mirrorless Camera, 24MP APS-C	50,000.00	
	22	Tablet 10.9", 64GB, iPadOS, Wifi + Cellular	84,000.00	
	23	Laptop 14" (i5)	44,000.00	
	24	Printer, Ink Tank, Print Only	30,000.00	
	25	Desktop Computer (i3)	30,000.00	
	26	ATX Power Supply (500W)	1,960.00	
	27	Computer Monitor 24", IPS	20,000.00	
	28	Monitor Stand, Dual Articulating, C-Clamp and Grommet Option	3,500.00	
	29	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)	24,000.00	
	30	Ribbon Cartridge EPSON S015639	1,650.00	
	31	HP Ink Cartridge 678 Black	2,250.00	
	32	HP Ink Cartridge 678 Tricolor	4,500.00	
	33	Computer ribbon, EPSON SO15531/15086, Genuine	7,650.00	
	34	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	33,000.00	
	35	UPS, at least 800 watts	5,000.00	
	36	Flash Drive, at least 32GB USB 3.0	3,200.00	
	37	LCD Projector, XGA (1024x768)	27,000.00	
	38	Laptop 14" (i3)	33,000.00	
	39	Web Camera for Laptop and Desktop	5,040.00	
	40	Headset (Wired), Generic Over the Ear with mic	1,750.00	
	41	Desktop Computer (Assembled), Intel Core i5	180,000.00	
	42	Desktop Computer (i5)	90,000.00	
	43	Lapel Voice Amplifier	800.00	
	44	Netbook Laptop, Intel Celeron	15,000.00	
	45	Smartphone, 6GB RAM, 64GB ROM, Snapdragon 732	13,000.00	
	46	Android Smartphone	7,000.00	
	47	Wireless Access Point	19,800.00	
	48	GPS NAVIGATOR	8,000.00	
	49	Air Condition Non-Inverter Window type 0.5HP, Standard size	14,500.00	
	50	Air condition, split type, Inverter, 1HP	40,000.00	
	51	Blender, 1.5 L	3,000.00	
	52	Water Dispenser, Cabinet type	20,000.00	
	53	Portable Trolley Speaker	8,000.00	
	54	Smart Television 65"	150,000.00	
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	*Not Applicable.*

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	**Delivery and Documents –**
	
	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:
	
	The delivery terms applicable to this Contract are delivered *VSU Main Campus, Visca, Baybay City, Leyte.* Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.
	
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is*:*
	
	     Ms. Alicia M. Flores
	     Head, Supply and Property Management Office,
	     VSU-Main, Visca, Baybay City, Leyte
	     Contact #: 053 565 0600 local 1082 / 0917 6341 430
	
	Incidental Services –
	
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:
	    a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;
	    b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;
	    c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
	    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
	    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.

	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.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

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

b. in the event of termination of production of the spare parts:

i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and

ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof is included in the contract price.

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.

Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.

Packaging –

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.

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:

Name of the Procuring Entity
Name of the Supplier

	Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	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. **Transportation –** 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. 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.
	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. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination. **Intellectual Property Rights –** 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.

2.2	Payment shall be done in staggered basis. Items that were already delivered can be paid subject to inspection and acceptance.
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.	Item Description & Specifications	Delivered, Weeks/Months
1	**Mouse, Wired, Optical, USB**	All Items Should Be Delivered Within **45 Calendar Days** From Receipt Of Notice To Proceed And Purchase Order
	◉*USB Port Connectivity*	
	◉*Sensor: Optical*	
	◉*DPI: 1600*	
	◉*Work method: Wired*	
	◉*Buttons: Left button, middle button, right button*	
	◉*Scroll wheel direction: Two way*	
	◉*Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design*	
2	**Computer HD Webcam**	
	◉*1080P Full HD Webcam*	
	◉*Lens: HD lens*	
	◉*Sensor Type: CMOS*	
	◉*Video Format: AVI*	
	◉*Frame Rate: at least 30FPS*	
	◉*Drive Type: free drive. Plug and play*	
	◉*Photo Format: BMP JPG*	
	◉*Resolution: 1920 * 1080 P*	
	◉*Output Format: M-JPEG*	
	◉*Interface Type: USB2.0*	
	◉*Microphone: Built-in microphone*	
	◉*Focusing Range: 20mm*	
3	**UPS, 1000 VA**	
	◉*1000VA/600W capacity*	
	◉*Frequency Range: 60 Hz*	
	◉*Freq. Range (Batt. Mode): 60 Hz ± 1 Hz*	
	◉*Transfer Time: Typical 4-8 ms*	
	◉*Waveform (Batt. Mode): Simulated Sine Wave*	
	◉*Back-up Runtime: 10-15 mins*	
	◉*Voltage: 220 VAC*	
	◉*Voltage Range: 162-270 VAC*	
4	**USB Hub, 4 gangs**	
5	**Wi-fi Range Extender, 300Mbps**	
	◉*External antennas for faster and more reliable Wi-Fi*	
	◉*Supports AP mode which creates a new Wi-Fi Access point*	
	◉*Easily expand wireless coverage at a push of the Range Extender button*	

	◉Set the Power Schedule for the range extender for power-saving	
	◉Works with Any Wi-Fi Router	
6	**Wi-Fi Mesh Router**	
	◉IEEE 802.11ac/n/a 5 GHz	
	◉IEEE 802.11n/b/g 2.4 GHz	
	◉5 GHz: 867 Mbps (802.11ac)	
	◉2.4 GHz: 300 Mbps (802.11n)	
	◉2× Antennas (Internal)	
	◉Beamforming	
	◉Dual-Band	
	◉MU-MIMO	
	◉Router Mode	
	◉Access Point Mode	
	◉Qualcomm CPU	
	◉2× 10/100 Mbps Ports	
	◉WPA, WPA2 encryption	
	◉SPI Firewall	
	◉Access Control	
7	**Triband Mobile Signal Repeater, Cellphone Signal Booster Amplifier**	
	◉70dB high gain triband signal booster, with AGC gain control function	
	◉Support 850MHz + 900MHz + 1800MHz (band 3/5/8)	
	◉Improving the voice calls and data transmission for 2G/3G/4G network	
	◉Extensive coverage: 300-600 square meters (barrier-free)	
	◉Compatible with multiple local operators, suitable for multiple phone users	
	◉HD LCD, display real-time signal status, lower radiation	
8	**Headset with Noise Cancelling Mic**	
	◉Input Impedance: at least 32 Ohms	
	◉Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB	
	◉Sensitivity (microphone): -17 dBV/Pa +/- 4 dB	
	◉Frequency response (Headset): 20 Hz - 20 KHz	
	◉Frequency response (Microphone): 100 Hz - 10 KHz	
	◉Cable Length: at least 7 ft	
	◉Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter	
9	**DVD+RW 8x 4.7Gb w/indiv case**	
10	**Ink, Epson 003,Genuine Black 65mL**	
11	**Ink, Epson, genuine (C) T664, 70 ml**	
12	**Ink, Epson, genuine, (BK) T664, 70 ml**	
13	**Ink, Epson, genuine, (Y) T664, 70 ml**	
14	**Ink, Epson, genuine (M) T664, 70 ml**	
15	**Smart Phone, 128 GB ROM, 8GB RAM**	

	◉Display Type: TFT	
	◉6.4 to 6.5 inches display	
	◉720 x 1600 pixels, 20:9 ratio (~270 ppi density)	
	◉Android 11, One UI 3.0	
	◉MediaTek MT6853 Dimensity 720 5G (7 nm) or higher	
	◉Octa-core (2x2.0 GHz Cortex-A76 & 6x2.0 GHz Cortex-A55) or higher	
	◉microSDXC (uses shared SIM slot)	
	◉Quad camera with At least 48 MP, f/2.0, 26mm (wide), 1/2.0", 0.8μm, PDA Fat least 8 MP, f/2.2, 123˚, (ultrawide), 1/4.0", 1.12μmat least 5 MP, f/2.4, (macro)at least 2 MP, f/2.4, (depth)	
	◉At least 128GB storage, 8GB RAM or higher	
	◉Video: 4K@30fps, 1080p@30/120fps or higher	
	◉Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot	
	◉Yes, with A-GPS, GLONASS, GALILEO, BDS	
	◉USB Type-C 2.0, USB On-The-Go	
	◉At least Li-Po 5000 mAh, non-removable	
16	**Laptop, 13.3", Retina Display, M1 Chip**	
	◉13.3 inch (diagonal) LED-backlit display with IPS Technology: 2560 by 1600 native resolution at 227 pixels per inch with support for million of colors	
	◉400 nits brightness	
	◉Wide color (P3)	
	◉True tone technology	
	◉M1 chip: 8 core CPU with 4 performance cores and 4 efficiency cores, 8 core GPU, 16 core Neural Engine	
	◉Battery and Power: Up to 15 hours wireless web, Up to 18 hours Apple TV app movie playback, Built in 49.9 watt hour lithium polymer battery, 30W USB-C Power Adapter	
	◉Charging and Expansion Two Thunderbolt/ USB 4 ports with support for: with Display Port, Thunderbolt 3 (up to 49Gb/s), USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s)	
	◉Memory 512GB: 512GB unified memory Configurable to 1TB or 2TB	
	◉Keyboard and Trackpad Backlit Magic Keyboard with: 78 (US) or 79 (ISO) keys including 12 function keys and 4 arrows keys in an inverted T arrangement, Ambient light sensor, Force Touch trackpad for precise cursor control and pressure sensing capabilities: enables Force clicks, accelerators, pressure sensitive drawing and Multi-Touch gestures	
	◉with Touch ID Sensor	
	◉Wireless WiFi: 802.11 ax Wi-Fi 6 wireless networking, IEEE 802.11 a/b/g/n/ac compatible	
	◉with Bluetooth 5.0 wireless technology	
	◉with at least 720p Face Time HD camera	
	◉Video Support – Simultaneously supports full native resolution on the built-in display at millions of colors	

	◉*Thunderbolt 3 digital video output: Native Display Port output over USB-C, VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters*	
	◉*Audio: Stereo speakers, Wide stereo sound, Support for Dolby Atmos playback, Three-mic array with directional beamforming, 3.5 mm headphone jack*	
17	**External Hard Disk Drive (Portable, 2TB), USB 3.1**	
	◉*Shock-absorbing silicon casing*	
	◉*Interface: USB 3.1 (Max.5Gb/s)*	
	◉*Capacity: 2TB*	
	◉*Texture: Plastic/Rubber*	
	◉*Operating Voltage: DC 5V, 900mA*	
	◉*System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later*	
18	**Desktop Computer (i7 Branded)**	
	◉*CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher*	
	◉*HDD: 256GB M.2 PCIe NVMe Solid State Drive + 1TB 7200 rpm 3.5" SATA Hard Drive*	
	◉*RAM: 8GB (8GBx1) DDR4 2666MHz*	
	◉*Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5*	
	◉*Screen: 23" IPS Monitor FHD*	
	◉*Optical Drive: No Optical Drive*	
	◉*OS: Windows 10 Home Single Language (64bit) English*	
19	**Solid State Drive, 1TB**	
	◉*Storage Capacity: 1TB*	
	◉*Interface: SATA III 6GB/s*	
	◉*Type: 2.5in*	
	◉*Sequential Reading Speed: 545MB/s*	
	◉*Sequential Writing Speed: 430MB/s*	
20	**Desktop Computer, Apple M1 Processor**	
	◉*M1 chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine*	
	◉*256GB SSD*	
	◉*8GB unified memory*	
	◉*24-inch 4.5K Retina display (4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors*	
	◉*500 nits brightness), Wide color (P3), True Tone technology*	
	◉*1080p HD camera with M1 image signal processor*	
	◉*Six-speaker sound system icon, High-fidelity six-speaker system with force-cancelling woofers*	
	◉*Wide stereo sound*	
	◉*Studio-quality three-mic icon, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming*	
	◉*DisplayPort*	
	◉*Thunderbolt 3 (up to 40Gb/s)*	

	◎USB 4 (up to 40Gb/s)	
	◎USB 3.1 Gen 2 (up to 10Gb/s)	
	◎Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)	
	◎3.5 mm headphone jack	
	◎802.11ax Wi-Fi 6 wireless networking	
	◎IEEE 802.11a/b/g/n/ac compatible	
	◎Bluetooth 5.0 wireless technology	
	◎Magic Keyboard	
	◎Magic Mouse	
21	**Mirrorless Camera, 24MP APS-C**	
	◎24.1MP APS-C CMOS Sensor	
	◎Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor	
	◎UHD 4K and HD 720p120 Video Recording	
	◎Dual Pixel CMOS AF with Eye Detect AF	
	◎2.36m-Dot OLED Electronic Viewfinder	
	◎3.0" 1.04m-Dot Vari-Angle Touchscreen	
	◎Wi-Fi and Bluetooth; Webcam Capability	
	◎Extended ISO 51200, 10 fps Shooting	
	◎Combination 5-Axis Image Stabilization	
	◎Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens	
22	**Tablet 10.9", 64GB, iPadOS, Wifi + Cellular**	
	◎64GB Storage Capacity	
	◎A14 Bionic chip with 64-bit architecture, Neural Engine	
	◎10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology	
	◎2360-by-1640-pixel resolution at 264 pixels per inch (ppi)	
	◎Wide color display (P3)	
	◎True Tone display	
	◎Fingerprint-resistant oleophobic coating	
	◎Fully laminated display	
	◎Antireflective coating	
	◎12MP Wide camera	
	◎f/1.8 aperture	
	◎Five-element lens	
	◎Hybrid IR filter	
	◎4K video recording at 24 fps, 30 fps, or 60 fps	
	◎1080p HD video recording at 30 fps or 60 fps	
	◎Slo-mo video support for 1080p at 120 fps or 240 fps	
	◎7MP photos	
	◎f/2.2 aperture	
	◎1080p HD video recording at 60 fps	
	◎Wide color capture for photos and Live Photos	

	◉Smart HDR	
	◉Stereo speakers	
	◉Dual microphones for calls, video recording, and audio recording	
	◉802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO	
	◉UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)	
	◉Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4	
	◉Bluetooth 5.0 technology	
	◉iPadOS 14	
23	**Laptop 14" (i5)**	
	◉Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher	
	◉Operating system: Windows 10 Home	
	◉Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)	
	◉Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC	
	◉Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM	
	◉Storage: 512GB PCIe Gen3 x2 SSD	
24	**Printer, Ink Tank, Print Only**	
	◉Printing Technology: On-demand inkjet (Piezoelectric)	
	◉Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)	
	◉Print Direction: Bi-directional printing	
	◉Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)	
	◉Minimum Ink Droplet Size: 3 pl	
	◉Compact integrated tank design	
	◉High yield ink bottles	
	◉Spill-free, error-free refilling	
	◉Borderless printing up to 4R	
25	**Desktop Computer (i3)**	
	◉Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz) or higher	
	◉Motherboard: Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151	
	◉8GB DDR4 2400 DIMM Desktop Memory	
	◉SSD: 240GB	
	◉Keyboard and Mouse Combo	
	◉Casing with Power Supply	
	◉Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,	
	◉Operating System: Genuine Windows 10 Home (OEM)	

	◎AVR: 500W IC controlled	
26	**ATX Power Supply (500W)**	
	◎Single 6pin	
	◎24pin connector	
	◎Dual 4pin for board	
	◎4 sata supply	
	◎4 molex supply	
27	**Computer Monitor 24", IPS**	
	◎Panel Size: Wide Screen 23.8"(60.5cm) 16:9	
	◎Color Saturation : 72%(NTSC)	
	◎Panel Type : In-Plane Switching	
	◎True Resolution : 1920x1080	
	◎Brightness(Max) : 250 cd/m	
	◎Contrast Ratio (Max) : 1000:1	
	◎Response Time : 5ms (Gray to Gray)	
	◎Display Colors : 16.7M	
	◎Flicker free	
28	**Monitor Stand, Dual Articulating, C-Clamp and Grommet Option**	
	◎Material: Steel	
	◎Supported Flat-Panel Screen Sizes: 13" to 32"	
	◎Cable clips keep cables organized and protected	
	◎Max Load: 8 kg / 17.6lbs	
	◎Clamp: 10-88mm (table thickness)	
	◎Grommet: 10-75mm (table thickness)	
	◎VESA: 75x75,100x100	
	◎Tilt Range:+45°~-45°	
	◎Swivel Range:+90°~-90°	
	◎Screen Rotation:+180°~-180°	
	◎Installation: Grommet, Clamp	
29	**Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)**	
	◎Tank Ink System	
	◎Printer Type: Print, Scan and Copy	
	◎Scanner Type: Flatbed colour image scanner	
	◎Sensor Type: CIS	
	◎Optical Resolution: 600 x 1200 dpi	
	◎Copy Speed: Maximum Copies from Standalone: 20 copies	
	◎Maximum Copy Size: A4, Letter	
	◎ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm	
	◎Max Copy Resolution: 300 x 300 dpi	
	◎Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard	
	◎Output Capacity: Up to 30 sheets	

	◉*A4 plain paper: 20 sheets, Premium Glossy Photo Paper*
	◉*Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")*
	◉*Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)*
	◉*Print Direction: Bi-directional printing*
	◉*Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)*
	◉*Minimum Ink Droplet Size: 3 pl*
30	**Ribbon Cartridge EPSON S015639**
	◉*Ribbon Cartridge S015639 for EPSON LQ-310 printer*
31	**HP Ink Cartridge 678 Black**
32	**HP Ink Cartridge 678 Tricolor**
33	**Computer ribbon, EPSON SO15531/15086, Genuine**
34	**Computer Printer, All-in-One/Multifunction Colored-Ink Tank**
	◉*Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour*
	◉*Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles*
	◉*Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices*
	◉*3-in-1: Print, copy & scan and borderless photo printing*
	◉*Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color*
	◉*Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology*
	◉*Ink Technology: Dye Ink*
	◉*Printing Resolution: 5,760 x 1,440 DPI*
35	**UPS, at least 800 watts**
36	**Flash Drive, at least 32GB USB 3.0**
37	**LCD Projector, XGA (1024x768)**
	◉*Projection System: 3LCD Technology, RGB liquid crystal shutter*
	◉*Projection Method: Front/rear/ceiling mount*
	◉*Pixel Number: at least 786,432 dots (1024 x 768) x 3*
	◉*Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4*
	◉*Aspect ratio: 4:3*
	◉*Lamp Life: ECO Mode up to 5000 hrs*
	◉*Normal Mode up to 4000 hrs*
	◉*Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen)*
	◉*Keystone Correction: Manual*
	◉*USB Plug 'n Play: Compatible w/ PC and MAC computers*
	◉*Contrast Ratio: 15.000 : 1*
	◉*Color Reproduction: 16.77 million color*
38	**Laptop 14" (i3)**
	◉*Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher*
	◉*Operating System : Windows 10 Home*

	◉Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM	
	◉Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC	
	◉Graphics : Integrated Intel UHD Graphics	
	◉Storage : 512GB PCIe Gen3 x2 SSD	
	◉Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0	
	◉Battery : 2 -Cell 32 Wh lithium-polymer battery	
39	**Web Camera for Laptop and Desktop**	
	◉About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.	
	◉With clips for laptops and desktops.	
	◉Sensor pixels: 2 million	
	◉Interface: USB 2.0	
	◉Frame rate: 30 FPS	
	◉Image sensor: CMOS	
	◉Brightness/color: automatically adjusts	
	◉Additional features: built-in microphone	
40	**Headset (Wired), Generic Over the Ear with mic**	
	◉Line is equipped with a rotary volume controller, one key Mic mute,	
	◉Frequency Range:20-20K(Hz)	
	◉Sensitivity:-52(dB)	
	◉Impedance:32(Ohm)	
	◉Speaker Diameter:40(mm)	
	◉Distortion Rate:0.8%	
	◉Plug Diameter:3.5mm	
41	**Desktop Computer (Assembled), Intel Core i5**	
	◉Intel® Core™ i5-10400 Processor 12M Cache, up to 4.30 GHz (6 Cores and 12 Threads) or higher	
	◉Intel H470 Chipset Ultradurable mATX Motherboard	
	◉16GB Kit (2 x 8GB) DDR4-3200 Desktop Gaming Memory	
	◉500GB NVME Solid State Drive	
	◉mATX Casing with 650W PSU 80 PLUS GOLD	
	◉Genuine Windows 10 Home Operating System	
	◉Gaming Keyboard and Optical Mouse	
	◉27" IPS Monitor with Frameless Bezel (Full HD with 75Hz Refresh Rate)	
	◉325WATTS/650VA Battery Backup & Surge Protector UPS	
42	**Desktop Computer (i5)**	
	◉Processor:	
	◀Intel Core i5 9400F or higher	
	◉Motherboard:	
	◀Intel H310 Chipset	
	◀Anti-Sulfur Resistors Design	

	◄Gaming LAN with Bandwidth Management	
	◎Memory:	
	◄16GB (2x8) DDR4 or higher	
	◎SSD: 500GB M.2,	
	◎Optical Drive: DVD-RW	
	◎Casing: W/ 700W PSU,	
	◎Monitor: 23" IPS FHD,	
	◎Operating System:	
	◄Genuine Windows 10 Home (OEM)	
	◎Keyboard and mouse combo	
	◎500W IC controlled AVR	
	◎Stereo speakers	
43	**Lapel Voice Amplifier**	
	◎Compact, portable and lightweight	
	◎Lithium-ion power body-pack amplifier	
	◎Power Output: 30W	
	◎Mode: USB/MP3/FM	
	◎Charger Voltage: 10V 450mA	
	◎Frequency response: 100Hz-10KHz±3dB	
	◎Set of: 1 Voice Amplifier, 1 Power Adaptor, 1 Headset Microphone, 1 Body-pack case, 1 Belt Strap, 1 User Manual	
44	**Netbook Laptop, Intel Celeron**	
	◎Intel® Celeron® Processor N3350 , up to 2.4GHz	
	◎Intel HD Graphics 500 GPU	
	◎14.1 inch HD resolution	
	◎4GB RAM for Advanced Multitasking	
	◎128GB EMMC Storage Capacity	
	◎38000mWh Large Battery	
	◎Mini-HDMI Output & Two standard USB 3.0 Slot	
45	**Smartphone, 6GB RAM, 64GB ROM, Snapdragon 732**	
	◎6GB RAM	
	◎64GB ROM	
	◎108MP Quad Camera	
	◎6.67" AMOLED 120Hz DotDisplay	
	◎Snapdragon 732	
	◎5020 mAh battery 33W Fast Charging	
46	**Android Smartphone**	
	◎Specification:	
	▬Chipset: Mediatek Helio G80 (12 nm)	
	▬Operating system: Android 10	
	▬ROM: at least 32 GB	
	▬RAM: at least 3GB	
	▬Screen Type: IPS LCD, at least 400 nits	

	▬Camera Front : at least 8 MP		
	▬Primary(Back) Camera Resolution at least 13MP		
	▬Resolution: at least 1080 x 2340 pixels		
	▬SIM: Dual SIM (Nano-SIM, dual stand-by)		
47	**Wireless Access Point**		
	◎Dimensions 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")		
	◎Weight		
	◎With Mounting Kits		
	◎300 g (10.6 oz)		
	◎315 g (11.1 oz)		
	◎Networking Interface (1) 10/100/1000 Ethernet Port		
	◎Buttons Reset		
	◎Power Method 802.3af PoE		
	◎Power Supply UniFi Switch (PoE)		
	◎Power Save Supported		
	◎Beamforming Supported		
	◎Maximum Power Consumption 10.5W		
	◎Supported Voltage Range 44 to 57VDC		
	◎TX Power		
	◎2.4 GHz		
	◎5 GHz		
	◎23 dBm		
	◎26 dBm		
	◎MIMO		
	◎2.4 GHz		
	◎5 GHz		
	◎2x2		
	◎4x4		
	◎Radio Rates		
	◎2.4 GHz		
	◎5 GHz		
	◎300 Mbps		
	◎1733 Mbps		
	◎Antennas		
	◎2.4 GHz		
	◎5 GHz		
	◎(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each		
	◎(2) Single-Port, Dual-Polarity Antennas, 3 dBi each		
	◎Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2		
	◎Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF		
	◎BSSID 8 per Radio		
	◎Mounting Wall/Ceiling (Kits Included)		

	◉Operating Temperature -10 to 70° C (14 to 158° F)
	◉Operating Humidity 5 to 95% Noncondensing
	◉Certifications CE, FCC, IC
	◉Advanced Traffic Management
	◉VLAN 802.1Q
	◉Advanced QoS Per-User Rate Limiting
	◉Guest Traffic Isolation Supported
	◉WMM Voice, Video, Best Effort, and Background
	◉Concurrent Clients 200+
	◉Supported Data Rates (Mbps)
	◉Standard Data Rates
	◉802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	◉802.11n 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
	◉802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)
	◉58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)
	◉802.11b 1, 2, 5.5, 11 Mbps
	◉802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	◉Should be compatible with existing UniFi Controller
48	**GPS NAVIGATOR**
	◉Physical Dimensions:2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)
	◉Display Size:1.4" x 1.7" (3.6 x 4.3 cm); 2.2" diag (5.6 cm)
	◉Display Resolution:128 x 160 pixels
	◉Display Type:transflective, monochrome
	◉Battery Type:2 AA batteries (not included); NiMH or Lithium recommended
	◉Battery Life: 25 hours
49	**Air Condition Non-Inverter Window type 0.5HP, Standard size**
	◉at most 600 Watts
	◉cooling capacity: at least 5000 Kilo joules per hour
	◉at least EER 10.0
50	**Air condition, split type, Inverter, 1HP**
	◉Cooling capacity: at least 9,400 kj/hr
	◉wall mounted
	◉EER rating above 10
	◉with remote control
	◉with one year warranty on parts and services
	◉with free installation
51	**Blender, 1.5 L**
	◉Blender · Countertop Blender · Variable Speed
	◉Glass type blender-250 Watts-1.5 Liter Capacity-4 speed function-Dry grinds spices, peas and fruits Astron
52	**Water Dispenser, Cabinet type**
	◉Floor standing

	◉Hot and cold function	
	◉plastic body,high efficiency compressor	
	◉thermally protected	
53	**Portable Trolley Speaker**	
	—LED Lights	
	—2 Wireless	
	—Microphone	
	—Built-in-Battery	
	—USB	
	—Bluetooth / NFC	
	—FM	
	—Line-in Guitar	
	—Input / Mic	
	—Remote Control	
	—Rechargeable	
	—Battery	
	—Power: 500W	
54	**Smart Television 65"**	
	◉Screen Size: 65"	
	◉Resolution: 3,840 × 2,160	
	◉Picture Engine: UHD Upscaling	
	◉Motion Rate: 120	
	◉PQI (Picture Quality Index): 1400	
	◉with HDR (High Dynamic Range)	
	◉Dynamic Contrast Ratio: Mega Contrast	
	◉Micro Dimming: UHD Dimming	
	◉PurColor, Auto Depth Enhancer	
	◉Auto Motion Plus, Film Mode	
	◉Dolby Digital Plus, DTS Codec	
	◉Sound Output (RMS): 20W	
	◉Speaker Type: 2CH(Down Firing w/Bass Reflex)	
	◉Multiroom Link, Web Browser, Smart View	
	◉TV to Mobile – Mirroring	
	◉Mobile to TV - Mirroring, DLNA	
	◉360 Video Player, WiFi Direct, Analog Clean View	
	◉Digital Broadcasting: ISDB-T	
	◉with Analog Tuner	
	◉HDMI: 3	
	◉USB: 2	
	◉with Ethernet (LAN)	
	◉Digital Audio Out (Optical): 1	
	◉RF In (Terrestrial / Cable input): 1/1(Common Use for Terrestrial)/0	

	◉HDMI A / Return Ch. Support	
	◉HDMI Quick Switch, Wireless LAN Built-in, Anynet+ (HDMI-CEC)	
	◉Slim Type: Slim	
	◉Processor: Quad Core	
	◉Digital Clean View, Auto Channel Search, Auto Power Off	
	◉Power Supply: AC100-240V 50/60Hz	
	◉Power Consumption (Max): 265W	
	◉Accessory: Remote Controller	
	◉Batteries, Mini Wall Mount Support, Vesa Wall Mount Support, User Manual	
	◉E-Manual, Power Cable, Slim Gender Cable	

Section VII. Technical Specifications

Technical Specifications

Item No.	Item Description & Specifications	STATEMENT OF COMPLIANCE
1	**Mouse, Wired, Optical, USB**	*[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 issuances.]*
	◉USB Port Connectivity	
	◉Sensor: Optical	
	◉DPI: 1600	
	◉Work method: Wired	
	◉Buttons: Left button, middle button, right button	
	◉Scroll wheel direction: Two way	
	◉Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design	
2	**Computer HD Webcam**	
	◉1080P Full HD Webcam	
	◉Lens: HD lens	
	◉Sensor Type: CMOS	
	◉Video Format: AVI	
	◉Frame Rate: at least 30FPS	
	◉Drive Type: free drive. Plug and play	
	◉Photo Format: BMP JPG	
	◉Resolution: 1920 * 1080 P	
	◉Output Format: M-JPEG	
	◉Interface Type: USB2.0	
	◉Microphone: Built-in microphone	
	◉Focusing Range: 20mm	
3	**UPS, 1000 VA**	
	◉1000VA/600W capacity	
	◉Frequency Range: 60 Hz	
	◉Freq. Range (Batt. Mode): 60 Hz ± 1 Hz	
	◉Transfer Time: Typical 4-8 ms	
	◉Waveform (Batt. Mode): Simulated Sine Wave	
	◉Back-up Runtime: 10-15 mins	
	◉Voltage: 220 VAC	
	◉Voltage Range: 162-270 VAC	
4	**USB Hub, 4 gangs**	
5	**Wi-fi Range Extender, 300Mbps**	
	◉External antennas for faster and more reliable Wi-Fi	
	◉Supports AP mode which creates a new Wi-Fi Access point	
	◉Easily expand wireless coverage at a push of the Range Extender button	
	◉Set the Power Schedule for the range extender for power-	

	saving
	◉*Works with Any Wi-Fi Router*
6	**Wi-Fi Mesh Router**
	◉*IEEE 802.11ac/n/a 5 GHz*
	◉*IEEE 802.11n/b/g 2.4 GHz*
	◉*5 GHz: 867 Mbps (802.11ac)*
	◉*2.4 GHz: 300 Mbps (802.11n)*
	◉*2× Antennas (Internal)*
	◉*Beamforming*
	◉*Dual-Band*
	◉*MU-MIMO*
	◉*Router Mode*
	◉*Access Point Mode*
	◉*Qualcomm CPU*
	◉*2× 10/100 Mbps Ports*
	◉*WPA, WPA2 encryption*
	◉*SPI Firewall*
	◉*Access Control*
7	**Triband Mobile Signal Repeater, Cellphone Signal Booster Amplifier**
	◉*70dB high gain triband signal booster, with AGC gain control function*
	◉*Support 850MHz + 900MHz + 1800MHz (band 3/5/8)*
	◉*Improving the voice calls and data transmission for 2G/3G/4G network*
	◉*Extensive coverage: 300-600 square meters (barrier-free)*
	◉*Compatible with multiple local operators, suitable for multiple phone users*
	◉*HD LCD, display real-time signal status, lower radiation*
8	**Headset with Noise Cancelling Mic**
	◉*Input Impedance: at least 32 Ohms*
	◉*Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB*
	◉*Sensitivity (microphone): -17 dBV/Pa +/- 4 dB*
	◉*Frequency response (Headset): 20 Hz - 20 KHz*
	◉*Frequency response (Microphone): 100 Hz - 10 KHz*
	◉*Cable Length: at least 7 ft*
	◉*Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter*
9	**DVD+RW 8x 4.7Gb w/indiv case**
10	**Ink, Epson 003,Genuine Black 65mL**
11	**Ink, Epson, genuine (C) T664, 70 ml**
12	**Ink, Epson, genuine, (BK) T664, 70 ml**
13	**Ink, Epson, genuine, (Y) T664, 70 ml**
14	**Ink, Epson, genuine (M) T664, 70 ml**
15	**Smart Phone, 128 GB ROM, 8GB RAM**

	◉Display Type: TFT	
	◉6.4 to 6.5 inches display	
	◉720 x 1600 pixels, 20:9 ratio (~270 ppi density)	
	◉Android 11, One UI 3.0	
	◉MediaTek MT6853 Dimensity 720 5G (7 nm) or higher	
	◉Octa-core (2x2.0 GHz Cortex-A76 & 6x2.0 GHz Cortex-A55) or higher	
	◉microSDXC (uses shared SIM slot)	
	◉Quad camera with At least 48 MP, f/2.0, 26mm (wide), 1/2.0", 0.8μm, PDA Fat least 8 MP, f/2.2, 123˚, (ultrawide), 1/4.0", 1.12μmat least 5 MP, f/2.4, (macro)at least 2 MP, f/2.4, (depth)	
	◉At least 128GB storage, 8GB RAM or higher	
	◉Video: 4K@30fps, 1080p@30/120fps or higher	
	◉Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot	
	◉Yes, with A-GPS, GLONASS, GALILEO, BDS	
	◉USB Type-C 2.0, USB On-The-Go	
	◉At least Li-Po 5000 mAh, non-removable	
16	**Laptop, 13.3", Retina Display, M1 Chip**	
	◉13.3 inch (diagonal) LED-backlit display with IPS Technology: 2560 by 1600 native resolution at 227 pixels per inch with support for million of colors	
	◉400 nits brightness	
	◉Wide color (P3)	
	◉True tone technology	
	◉M1 chip: 8 core CPU with 4 performance cores and 4 efficiency cores, 8 core GPU, 16 core Neural Engine	
	◉Battery and Power: Up to 15 hours wireless web, Up to 18 hours Apple TV app movie playback, Built in 49.9 watt hour lithium polymer battery, 30W USB-C Power Adapter	
	◉Charging and Expansion Two Thunderbolt/ USB 4 ports with support for: with Display Port, Thunderbolt 3 (up to 49Gb/s), USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s)	
	◉Memory 512GB: 512GB unified memory Configurable to 1TB or 2TB	
	◉Keyboard and Trackpad Backlit Magic Keyboard with: 78 (US) or 79 (ISO) keys including 12 function keys and 4 arrows keys in an inverted T arrangement, Ambient light sensor, Force Touch trackpad for precise cursor control and pressure sensing capabilities: enables Force clicks, accelerators, pressure sensitive drawing and Multi-Touch gestures	
	◉with Touch ID Sensor	
	◉Wireless WiFi: 802.11 ax Wi-Fi 6 wireless networking, IEEE 802.11 a/b/g/n/ac compatible	
	◉with Bluetooth 5.0 wireless technology	
	◉with at least 720p Face Time HD camera	
	◉Video Support – Simultaneously supports full native resolution on the built-in display at millions of colors	

	◉*Thunderbolt 3 digital video output: Native Display Port output over USB-C, VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters*	
	◉*Audio: Stereo speakers, Wide stereo sound, Support for Dolby Atmos playback, Three-mic array with directional beamforming, 3.5 mm headphone jack*	
17	**External Hard Disk Drive (Portable, 2TB), USB 3.1**	
	◉*Shock-absorbing silicon casing*	
	◉*Interface: USB 3.1 (Max.5Gb/s)*	
	◉*Capacity: 2TB*	
	◉*Texture: Plastic/Rubber*	
	◉*Operating Voltage: DC 5V, 900mA*	
	◉*System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later*	
18	**Desktop Computer (i7 Branded)**	
	◉*CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher*	
	◉*HDD: 256GB M.2 PCIe NVMe Solid State Drive + 1TB 7200 rpm 3.5" SATA Hard Drive*	
	◉*RAM: 8GB (8GBx1) DDR4 2666MHz*	
	◉*Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5*	
	◉*Screen: 23" IPS Monitor FHD*	
	◉*Optical Drive: No Optical Drive*	
	◉*OS: Windows 10 Home Single Language (64bit) English*	
19	**Solid State Drive, 1TB**	
	◉*Storage Capacity: 1TB*	
	◉*Interface: SATA III 6GB/s*	
	◉*Type: 2.5in*	
	◉*Sequential Reading Speed: 545MB/s*	
	◉*Sequential Writing Speed: 430MB/s*	
20	**Desktop Computer, Apple M1 Processor**	
	◉*M1 chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine*	
	◉*256GB SSD*	
	◉*8GB unified memory*	
	◉*24-inch 4.5K Retina display (4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors*	
	◉*500 nits brightness), Wide color (P3), True Tone technology*	
	◉*1080p HD camera with M1 image signal processor*	
	◉*Six-speaker sound system icon, High-fidelity six-speaker system with force-cancelling woofers*	
	◉*Wide stereo sound*	
	◉*Studio-quality three-mic icon, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming*	
	◉*DisplayPort*	

	◉*Thunderbolt 3 (up to 40Gb/s)*	
	◉*USB 4 (up to 40Gb/s)*	
	◉*USB 3.1 Gen 2 (up to 10Gb/s)*	
	◉*Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)*	
	◉*3.5 mm headphone jack*	
	◉*802.11ax Wi-Fi 6 wireless networking*	
	◉*IEEE 802.11a/b/g/n/ac compatible*	
	◉*Bluetooth 5.0 wireless technology*	
	◉*Magic Keyboard*	
	◉*Magic Mouse*	
21	**Mirrorless Camera, 24MP APS-C**	
	◉*24.1MP APS-C CMOS Sensor*	
	◉*Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor*	
	◉*UHD 4K and HD 720p120 Video Recording*	
	◉*Dual Pixel CMOS AF with Eye Detect AF*	
	◉*2.36m-Dot OLED Electronic Viewfinder*	
	◉*3.0" 1.04m-Dot Vari-Angle Touchscreen*	
	◉*Wi-Fi and Bluetooth; Webcam Capability*	
	◉*Extended ISO 51200, 10 fps Shooting*	
	◉*Combination 5-Axis Image Stabilization*	
	◉*Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens*	
22	**Tablet 10.9", 64GB, iPadOS, Wifi + Cellular**	
	◉*64GB Storage Capacity*	
	◉*A14 Bionic chip with 64-bit architecture, Neural Engine*	
	◉*10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology*	
	◉*2360-by-1640-pixel resolution at 264 pixels per inch (ppi)*	
	◉*Wide color display (P3)*	
	◉*True Tone display*	
	◉*Fingerprint-resistant oleophobic coating*	
	◉*Fully laminated display*	
	◉*Antireflective coating*	
	◉*12MP Wide camera*	
	◉*f/1.8 aperture*	
	◉*Five-element lens*	
	◉*Hybrid IR filter*	
	◉*4K video recording at 24 fps, 30 fps, or 60 fps*	
	◉*1080p HD video recording at 30 fps or 60 fps*	
	◉*Slo-mo video support for 1080p at 120 fps or 240 fps*	
	◉*7MP photos*	
	◉*f/2.2 aperture*	
	◉*1080p HD video recording at 60 fps*	

	◉*Wide color capture for photos and Live Photos*	
	◉*Smart HDR*	
	◉*Stereo speakers*	
	◉*Dual microphones for calls, video recording, and audio recording*	
	◉*802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO*	
	◉*UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)*	
	◉*Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4*	
	◉*Bluetooth 5.0 technology*	
	◉*iPadOS 14*	
23	**Laptop 14" (i5)**	
	◉*Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher*	
	◉*Operating system: Windows 10 Home*	
	◉*Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)*	
	◉*Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC*	
	◉*Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM*	
	◉*Storage: 512GB PCIe Gen3 x2 SSD*	
24	**Printer, Ink Tank, Print Only**	
	◉*Printing Technology: On-demand inkjet (Piezoelectric)*	
	◉*Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)*	
	◉*Print Direction: Bi-directional printing*	
	◉*Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)*	
	◉*Minimum Ink Droplet Size: 3 pl*	
	◉*Compact integrated tank design*	
	◉*High yield ink bottles*	
	◉*Spill-free, error-free refilling*	
	◉*Borderless printing up to 4R*	
25	**Desktop Computer (i3)**	
	◉*Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz) or higher*	
	◉*Motherboard: Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151*	
	◉*8GB DDR4 2400 DIMM Desktop Memory*	
	◉*SSD: 240GB*	
	◉*Keyboard and Mouse Combo*	
	◉*Casing with Power Supply*	

	◉*Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,*
	◉*Operating System: Genuine Windows 10 Home (OEM)*
	◉*AVR: 500W IC controlled*
26	**ATX Power Supply (500W)**
	◉*Single 6pin*
	◉*24pin connector*
	◉*Dual 4pin for board*
	◉*4 sata supply*
	◉*4 molex supply*
27	**Computer Monitor 24", IPS**
	◉*Panel Size: Wide Screen 23.8"(60.5cm) 16:9*
	◉*Color Saturation : 72%(NTSC)*
	◉*Panel Type : In-Plane Switching*
	◉*True Resolution : 1920x1080*
	◉*Brightness(Max) : 250 cd/m*
	◉*Contrast Ratio (Max) : 1000:1*
	◉*Response Time : 5ms (Gray to Gray)*
	◉*Display Colors : 16.7M*
	◉*Flicker free*
28	**Monitor Stand, Dual Articulating, C-Clamp and Grommet Option**
	◉*Material: Steel*
	◉*Supported Flat-Panel Screen Sizes: 13" to 32"*
	◉*Cable clips keep cables organized and protected*
	◉*Max Load: 8 kg / 17.6lbs*
	◉*Clamp: 10-88mm (table thickness)*
	◉*Grommet: 10-75mm (table thickness)*
	◉*VESA: 75x75,100x100*
	◉*Tilt Range:+45°~-45°*
	◉*Swivel Range:+90°~-90°*
	◉*Screen Rotation:+180°~-180°*
	◉*Installation: Grommet, Clamp*
29	**Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)**
	◉*Tank Ink System*
	◉*Printer Type: Print, Scan and Copy*
	◉*Scanner Type: Flatbed colour image scanner*
	◉*Sensor Type: CIS*
	◉*Optical Resolution: 600 x 1200 dpi*
	◉*Copy Speed: Maximum Copies from Standalone: 20 copies*
	◉*Maximum Copy Size: A4, Letter*

	◉ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm	
	◉Max Copy Resolution: 300 x 300 dpi	
	◉Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard	
	◉Output Capacity: Up to 30 sheets	
	◉A4 plain paper: 20 sheets, Premium Glossy Photo Paper	
	◉Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")	
	◉Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)	
	◉Print Direction: Bi-directional printing	
	◉Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)	
	◉Minimum Ink Droplet Size: 3 pl	
30	**Ribbon Cartridge EPSON S015639**	
	◉Ribbon Cartridge S015639 for EPSON LQ-310 printer	
31	**HP Ink Cartridge 678 Black**	
32	**HP Ink Cartridge 678 Tricolor**	
33	**Computer ribbon, EPSON SO15531/15086, Genuine**	
34	**Computer Printer, All-in-One/Multifunction Colored-Ink Tank**	
	◉Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour	
	◉Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles	
	◉Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices	
	◉3-in-1: Print, copy & scan and borderless photo printing	
	◉Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color	
	◉Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology	
	◉Ink Technology: Dye Ink	
	◉Printing Resolution: 5,760 x 1,440 DPI	
35	**UPS, at least 800 watts**	
36	**Flash Drive, at least 32GB USB 3.0**	
37	**LCD Projector, XGA (1024x768)**	
	◉Projection System: 3LCD Technology, RGB liquid crystal shutter	
	◉Projection Method: Front/rear/ceiling mount	
	◉Pixel Number: at least 786,432 dots (1024 x 768) x 3	
	◉Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4	
	◉Aspect ratio: 4:3	
	◉Lamp Life: ECO Mode up to 5000 hrs	
	◉Normal Mode up to 4000 hrs	
	◉Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen)	

	◉Keystone Correction: Manual	
	◉USB Plug 'n Play: Compatible w/ PC and MAC computers	
	◉Contrast Ratio: 15.000 : 1	
	◉Color Reproduction: 16.77 million color	
38	**Laptop 14" (i3)**	
	◉Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher	
	◉Operating System : Windows 10 Home	
	◉Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM	
	◉Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC	
	◉Graphics : Integrated Intel UHD Graphics	
	◉Storage : 512GB PCIe Gen3 x2 SSD	
	◉Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0	
	◉Battery : 2 -Cell 32 Wh lithium-polymer battery	
39	**Web Camera for Laptop and Desktop**	
	◉About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.	
	◉With clips for laptops and desktops.	
	◉Sensor pixels: 2 million	
	◉Interface: USB 2.0	
	◉Frame rate: 30 FPS	
	◉Image sensor: CMOS	
	◉Brightness/color: automatically adjusts	
	◉Additional features: built-in microphone	
40	**Headset (Wired), Generic Over the Ear with mic**	
	◉Line is equipped with a rotary volume controller, one key Mic mute,	
	◉Frequency Range:20-20K(Hz)	
	◉Sensitivity:-52(dB)	
	◉Impedance:32(Ohm)	
	◉Speaker Diameter:40(mm)	
	◉Distortion Rate:0.8%	
	◉Plug Diameter:3.5mm	
41	**Desktop Computer (Assembled), Intel Core i5**	
	◉Intel® Core™ i5-10400 Processor 12M Cache, up to 4.30 GHz (6 Cores and 12 Threads) or higher	
	◉Intel H470 Chipset Ultradurable mATX Motherboard	
	◉16GB Kit (2 x 8GB) DDR4-3200 Desktop Gaming Memory	
	◉500GB NVME Solid State Drive	
	◉mATX Casing with 650W PSU 80 PLUS GOLD	
	◉Genuine Windows 10 Home Operating System	
	◉Gaming Keyboard and Optical Mouse	

	◉27" IPS Monitor with Frameless Bezel (Full HD with 75Hz Refresh Rate)	
	◉325WATTS/650VA Battery Backup & Surge Protector UPS	
42	**Desktop Computer (i5)**	
	◉Processor:	
	◄Intel Core i5 9400F or higher	
	◉Motherboard:	
	◄Intel H310 Chipset	
	◄Anti-Sulfur Resistors Design	
	◄Gaming LAN with Bandwidth Management	
	◉Memory:	
	◄16GB (2x8) DDR4 or higher	
	◉SSD: 500GB M.2,	
	◉Optical Drive: DVD-RW	
	◉Casing: W/ 700W PSU,	
	◉Monitor: 23" IPS FHD,	
	◉Operating System:	
	◄Genuine Windows 10 Home (OEM)	
	◉Keyboard and mouse combo	
	◉500W IC controlled AVR	
	◉Stereo speakers	
43	**Lapel Voice Amplifier**	
	◉Compact, portable and lightweight	
	◉Lithium-ion power body-pack amplifier	
	◉Power Output: 30W	
	◉Mode: USB/MP3/FM	
	◉Charger Voltage: 10V 450mA	
	◉Frequency response: 100Hz-10KHz±3dB	
	◉Set of: 1 Voice Amplifier, 1 Power Adaptor, 1 Headset Microphone, 1 Body-pack case, 1 Belt Strap, 1 User Manual	
44	**Netbook Laptop, Intel Celeron**	
	◉Intel® Celeron® Processor N3350 , up to 2.4GHz	
	◉Intel HD Graphics 500 GPU	
	◉14.1 inch HD resolution	
	◉4GB RAM for Advanced Multitasking	
	◉128GB EMMC Storage Capacity	
	◉38000mWh Large Battery	
	◉Mini-HDMI Output & Two standard USB 3.0 Slot	
45	**Smartphone, 6GB RAM, 64GB ROM, Snapdragon 732**	
	◉6GB RAM	
	◉64GB ROM	
	◉108MP Quad Camera	
	◉6.67" AMOLED 120Hz DotDisplay	

	◉*Snapdragon 732*	
	◉*5020 mAh battery 33W Fast Charging*	
46	**Android Smartphone**	
	◉*Specification:*	
	▬*Chipset: Mediatek Helio G80 (12 nm)*	
	▬*Operating system: Android 10*	
	▬*ROM: at least 32 GB*	
	▬*RAM: at least 3GB*	
	▬*Screen Type: IPS LCD, at least 400 nits*	
	▬*Camera Front : at least 8 MP*	
	▬*Primary(Back) Camera Resolution at least 13MP*	
	▬*Resolution: at least 1080 x 2340 pixels*	
	▬*SIM: Dual SIM (Nano-SIM, dual stand-by)*	
47	**Wireless Access Point**	
	◉*Dimensions 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")*	
	◉*Weight*	
	◉*With Mounting Kits*	
	◉*300 g (10.6 oz)*	
	◉*315 g (11.1 oz)*	
	◉*Networking Interface (1) 10/100/1000 Ethernet Port*	
	◉*Buttons Reset*	
	◉*Power Method 802.3af PoE*	
	◉*Power Supply UniFi Switch (PoE)*	
	◉*Power Save Supported*	
	◉*Beamforming Supported*	
	◉*Maximum Power Consumption 10.5W*	
	◉*Supported Voltage Range 44 to 57VDC*	
	◉*TX Power*	
	◉*2.4 GHz*	
	◉*5 GHz*	
	◉*23 dBm*	
	◉*26 dBm*	
	◉*MIMO*	
	◉*2.4 GHz*	
	◉*5 GHz*	
	◉*2x2*	
	◉*4x4*	
	◉*Radio Rates*	
	◉*2.4 GHz*	
	◉*5 GHz*	
	◉*300 Mbps*	
	◉*1733 Mbps*	

	◉Antennas
	◉2.4 GHz
	◉5 GHz
	◉(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each
	◉(2) Single-Port, Dual-Polarity Antennas, 3 dBi each
	◉Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2
	◉Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF
	◉BSSID 8 per Radio
	◉Mounting Wall/Ceiling (Kits Included)
	◉Operating Temperature -10 to 70° C (14 to 158° F)
	◉Operating Humidity 5 to 95% Noncondensing
	◉Certifications CE, FCC, IC
	◉Advanced Traffic Management
	◉VLAN 802.1Q
	◉Advanced QoS Per-User Rate Limiting
	◉Guest Traffic Isolation Supported
	◉WMM Voice, Video, Best Effort, and Background
	◉Concurrent Clients 200+
	◉Supported Data Rates (Mbps)
	◉Standard Data Rates
	◉802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	◉802.11n 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
	◉802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)
	◉58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)
	◉802.11b 1, 2, 5.5, 11 Mbps
	◉802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	◉Should be compatible with existing UniFi Controller
48	**GPS NAVIGATOR**
	◉Physical Dimensions:2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)
	◉Display Size:1.4" x 1.7" (3.6 x 4.3 cm); 2.2" diag (5.6 cm)
	◉Display Resolution:128 x 160 pixels
	◉Display Type:transflective, monochrome
	◉Battery Type:2 AA batteries (not included); NiMH or Lithium recommended
	◉Battery Life: 25 hours
49	**Air Condition Non-Inverter Window type 0.5HP, Standard size**
	◉at most 600 Watts
	◉cooling capacity: at least 5000 Kilo joules per hour
	◉at least EER 10.0
50	**Air condition, split type, Inverter, 1HP**

	◉*Cooling capacity: at least 9,400 kj/hr*	
	◉*wall mounted*	
	◉*EER rating above 10*	
	◉*with remote control*	
	◉*with one year warranty on parts and services*	
	◉*with free installation*	
51	**Blender, 1.5 L**	
	◉*Blender · Countertop Blender · Variable Speed*	
	◉*Glass type blender-250 Watts-1.5 Liter Capacity-4 speed function-Dry grinds spices, peas and fruits Astron*	
52	**Water Dispenser, Cabinet type**	
	◉*Floor standing*	
	◉*Hot and cold function*	
	◉*plastic body,high efficiency compressor*	
	◉*thermally protected*	
53	**Portable Trolley Speaker**	
	—*LED Lights*	
	—*2 Wireless*	
	—*Microphone*	
	—*Built-in-Battery*	
	—*USB*	
	—*Bluetooth / NFC*	
	—*FM*	
	—*Line-in Guitar*	
	—*Input / Mic*	
	—*Remote Control*	
	—*Rechargeable*	
	—*Battery*	
	—*Power: 500W*	
54	**Smart Television 65"**	
	◉*Screen Size: 65"*	
	◉*Resolution: 3,840 × 2,160*	
	◉*Picture Engine: UHD Upscaling*	
	◉*Motion Rate: 120*	
	◉*PQI (Picture Quality Index): 1400*	
	◉*with HDR (High Dynamic Range)*	
	◉*Dynamic Contrast Ratio: Mega Contrast*	
	◉*Micro Dimming: UHD Dimming*	
	◉*PurColor, Auto Depth Enhancer*	
	◉*Auto Motion Plus, Film Mode*	
	◉*Dolby Digital Plus, DTS Codec*	
	◉*Sound Output (RMS): 20W*	
	◉*Speaker Type: 2CH(Down Firing w/Bass Reflex)*	

	◉Multiroom Link, Web Browser, Smart View	
	◉TV to Mobile – Mirroring	
	◉Mobile to TV - Mirroring, DLNA	
	◉360 Video Player, WiFi Direct, Analog Clean View	
	◉Digital Broadcasting: ISDB-T	
	◉with Analog Tuner	
	◉HDMI: 3	
	◉USB: 2	
	◉with Ethernet (LAN)	
	◉Digital Audio Out (Optical): 1	
	◉RF In (Terrestrial / Cable input): 1/1(Common Use for Terrestrial)/0	
	◉HDMI A / Return Ch. Support	
	◉HDMI Quick Switch, Wireless LAN Built-in, Anynet+ (HDMI-CEC)	
	◉Slim Type: Slim	
	◉Processor: Quad Core	
	◉Digital Clean View, Auto Channel Search, Auto Power Off	
	◉Power Supply: AC100-240V 50/60Hz	
	◉Power Consumption (Max): 265W	
	◉Accessory: Remote Controller	
	◉Batteries, Mini Wall Mount Support, Vesa Wall Mount Support, User Manual	
	◉E-Manual, Power Cable, Slim Gender Cable	

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 Eight Hundred Eighty-Four Thousand Two Hundred Sixty Pesos (PhP 884,260.00)_**;
   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 Eight Hundred Eighty-Four Thousand Two Hundred Sixty Pesos (PhP 884,260.00)_** and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or **_at least Four Hundred Forty-Two Thousand One Hundred Thirty Pesos (PhP 442,130.00)_**; **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) Production/delivery schedule; **and**

☐ (k) Manpower requirements; **and**

☐ (l) After-sales/parts, if applicable; **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 1,768,520.00**);
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 176,852.00**).

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. Scan all documents and save as Portable Document Format (PDF) files.
2. Properly label each document for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

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

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at **jessamine.ecleo@vsu.edu.ph** before the deadline (July 5, 2021; 1:30 PM).

VISAYAS
STATE UNIVERSITY