



## BID BULLETIN 01

**Date:** 06 June 2022

**Project Title:** Supply and Delivery of I.T. Equipment and Supplies and Office Equipment (GOODS-22-29)

**Location:** VSU Main, Visca, Baybay City, Leyte

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

### I. LIST OF REQUIREMENTS

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
	or
	a. Registration Certificate (SEC, DTI or CDA)
	b. Mayor's/Business Permit
	c. Tax Clearance
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php <b>1,670,971.00</b> .
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 1,670,971.00 and the largest of which should be at least PhP <b>835,485.50</b>
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php <b>3,341,942.00</b> )
	Or
	Committed Line of Credit (at least Php <b>334,194.20</b> )
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



**Please take note:**

1. In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).
2. Bidders are advised to use the latest GPPB forms for the following documents:
  - a) Omnibus Sworn Statement
  - b) Performance Securing Declaration (if applicable)
  - c) Price Schedule for Goods Offered
  - d) Bid Form
  - e) Bid Securing Declaration

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

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

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

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Registration Certificate (SEC/DTI)	Registration Certificate
3. Mayor’s/Business Permit	Mayor’s-Business Permit
4. Tax Clearance	Tax Clearance
5. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
6. Statement of Bidder’s Single Largest Completed Contract	SLCC
7. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
8. Bid Security	Bid Security
9. Technical Specifications	Technical Specifications
10. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
11. Manpower Requirements	Manpower Requirements
12. After Sales service/parts	After Sales



13. Omnibus Sworn Statement	Omnibus Sworn Statement
14. Audited Financial Statements	Audited Financial Statements
15. Net Financial Contracting Capacity	NFCC
16. Committed Line of Credit	CLC
17. Bid Form	Bid Form
18. Price Schedule	Price Schedule

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

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

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

### III. Changes in the Bidding Documents

Original	
<p><b>Section I. Invitation to Bid</b></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on <i>26 May – 15 June 2022 until 8:30 AM</i> 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.</p>	<p><i>(Amendment)</i></p> <p>A complete set of Bidding Documents may be acquired by interested Bidders on <i>26 May – 15 June 2022 until 8:30 AM</i> 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:</p> <p>The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p> <p>The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p>Account Name: Visayas State University Fund 164        Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to <a href="mailto:jessamine.ecleo@vsu.edu.ph">jessamine.ecleo@vsu.edu.ph</a></p>



## Section II. Instructions to Bidders

### 15. Sealing and Marking of Bids

#### (Additional Instructions)

Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.

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

## IV. Revised List of Goods and Technical Specifications

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

Item No.	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
<b>1</b>	<b>75-inch Smart Quantum 4K TV with FREE Soundbar and Wall Bracket</b>	unit	1	95,000.00	95,000.00
	Display Size (inches)				
	75				
	TV Resolution				
	4K UHD				
	Ports Input				
	HDMI,USB				
	Smart TV OS				
	VIDAA				
	TV Technology				
	LED				
	Warranty Type				
	Local Supplier Warranty, <b>at least 1 year</b>				
<b>2</b>	<b>Aircon, Window Type, 2HP</b>	unit	3	40,000.00	120,000.00
	Cooling Capacity hp: 2.0, kJ/h 19,100				
	Power Input W: 1,640				
	EER kJ/hW: 11.6				
	Noise Level Indoor (Low) dB A: 48				
	Power Source: V/Phase Hz 230 V, 1Ø				
	Phase - 60 Hz				
	Refrigerant: R32				
	Anti-bacterial filter				
	12-hour off timer				
	Automatic condensate removal				
<b>3</b>	<b>Automatic Voltage Regulatory (AVR), 1500W, heavy duty</b>	unit	1	5,000.00	5,000.00
	☐Input: 220volts				
	☐Power: 1500watts				
	☐Output: 110-220 volts				
	☐Range voltage 120v-220 volts				
	☐Servo motor controlled				
<b>4</b>	<b>CCTV IP Camera</b>	pcs	6	3,192.00	19,152.00
	☐2MP WDR, with Built-in Mic				



	☐12v, DC				
	☐30m IR range,				
	☐1920x1080 Max. Resolution				
	☐Dome Type				
	☐2.8/4mm fixed lens				
5	<b>Computer Printer, All-in-One/Multifunction Colored-Ink Tank</b>	unit	3	14,000.00	42,000.00
	☐Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 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				
6	<b>Desktop Computer (i3)</b>	set	1	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				
7	<b>Document Scanner w/ ADF</b>	unit	1	40,000.00	40,000.00
	☐Flatbed Colored Document Scanner				
	☐Combining a flatbed scanner with the convenience of a 50-page ADF				
	☐Quickly scan stacks of documents up to 8.5" x 14"				
	☐Resolution: 1200 x 1200 dpi				
8	<b>Epson 001 ink, Black, 127ml, Genuine</b>	btls	20	600.00	12,000.00
9	<b>Epson 001 ink, Cyan, Genuine</b>	btls	20	350.00	7,000.00
10	<b>Epson 001 ink, Magenta, Genuine</b>	btls	20	350.00	7,000.00
11	<b>Epson 001 ink, Yellow, Genuine</b>	btls	20	350.00	7,000.00
12	<b>External Hard Disk Drive (Portable, 2TB), USB 3.1</b>	unit	5	4,200.00	21,000.00



	☐Shock-absorbing				
	☐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				
13	<b>External Hard Disk Drive, (Portable 500GB), USB 3.0</b>	pc	1	3,500.00	3,500.00
	☐Hard Drive Type:2.5" HDD				
	☐USB Interface: USB 3.0				
	☐Capacity:500GB				
14	<b>HDMI to HDMI, Shielded</b>	unit	2	600.00	1,200.00
	High-speed HDMI to HDMI cable,				
	Works with HDTVs, digital cameras/camcorders, MP3 players, and other HDMI devices				
	Supports Ethernet, 3D, and Audio Return				
	Meets HDMI 1.4 specifications; shielded to defend against interference				
	Cable length:10 Meters				
15	<b>Headset with Noise Cancelling Mic</b>	unit	1	1,800.00	1,800.00
	☐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				
16	<b>Ink, Epson 003,Genuine Black 65mL</b>	btl	110	350.00	38,500.00
17	<b>Ink, EPSON 003,Genuine Cyan 65mL</b>	btl	64	350.00	22,400.00
18	<b>Ink, EPSON 003,Genuine Magenta 65mL</b>	btl	64	350.00	22,400.00
19	<b>Ink, EPSON 003,Genuine Yellow 65mL</b>	btl	54	350.00	18,900.00
20	<b>Ink, Epson, genuine (C) T664, 70 ml</b>	pcs	28	350.00	9,800.00
21	<b>Ink, Epson, genuine (M) T664, 70 ml</b>	pcs	28	350.00	9,800.00
22	<b>Ink, Epson, genuine, (BK) T664, 70 ml</b>	pcs	85	350.00	29,750.00
23	<b>Ink, Epson, genuine, (Y) T664, 70 ml</b>	pcs	29	350.00	10,150.00
24	<b>LCD Projector SVGA (800x600)</b>	unit	1	25,000.00	25,000.00
	☐Projection System: 3LCD Technology, RGB liquid crystal shutter				
	☐Resolution: SVGA (800x600), 4:3				
	☐Light Output: 3,300 Lumen-2,050 Lumen (economy)				
	☐Contrast Ratio: 15,000:1				
	☐Lamp: 210 W				
	☐Lamp Hours: 6,000-10,000				





<b>25</b>	<b>LCD Projector, XGA (1024x768)</b>	unit	2	27,000.00	54,000.00
	▣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				
<b>26</b>	<b>Mini Vault / Steel Security Safe (.50 Cu Ft.) - Digital Lock</b>	unit	1	14,000.00	14,000.00
	<b>SPECIFICATION</b>				
	Weight: 23.4 lbs.				
	Programmable Digital Lock with LED Display				
	Pre-Drilled Holes & Mounting Kit Included				
	0.50 cu ft Interior Storage Capacity				
	Two Motorized Locking Door Bolts				
	Concealed Hinges & Recessed Door				
	Includes 1 Removable Shelf				
	Flat Bottom Door Entryway				
	Carpeted Floor prevents scratching of valuables				
	Override Access Keys (2 Included)				
<b>27</b>	<b>Mouse, Wired, Optical, USB</b>	pcs	3	210.00	630.00
	▣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				
<b>28</b>	<b>Office chair, with arm rest</b>	pc	3	5,000.00	15,000.00
	▣at least (580mmx600mx890-990mm)				
	▣Butterfly Mechanism = 360 Degree Swivel Seat				
	▣Backrest: Polypropylene (Pp) Plastic With New Foam Covered With Mesh Fabric				
	▣Seat: Plywood Seatpad With Injection Molded Foam, Covered With Polyester				



	Fabric				
	■Arm: Polypropylene plastic				
	■Base: Chrome finish, Adjustable lumbar support, pneumatic seat height adjustment				
29	<b>Portable Pressure Washer Power Sprayer</b>	unit	3	7,000.00	21,000.00
	Voltage: 220-240 V				
	Frequency: 50/60 Hz				
	Rated Power: 1,200 W				
	Rated Pressure: 70 bar				
	Maximum Pressure: 100 bar				
	Rated Flow: 5.5 L/min				
	Maximum Pressure Water Supply: 1.2 M Pa				
	Maximum Water Temperature: 50 C				
	Sound Pressure Level: 81 dB				
	Sound Power Level: 92 dB				
30	<b>Printer, Ink Tank, Print Only</b>	unit	3	8,000.00	24,000.00
	■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				
31	<b>Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)</b>	unit	4	11,000.00	44,000.00
	■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				
32	<b>Refrigerator - at least 3.5 cu. ft., Two-door Personal Refrigerator (Direct Cool), inverter</b>	unit	1	10,000.00	10,000.00
	Refrigerator - at least 3.5 cu. ft., Two-door Personal Refrigerator (Direct Cool), inverter				
33	<b>Ribbon Cartridge, Epson FX1170 S015520 #8755</b>	box	2	600.00	1,200.00
34	<b>Selfie LED Ring Light 10" with Tripod</b>	unit	5	500.00	2,500.00
	Material: ABS+ aluminum alloy				
	Lighting: warm and cold light				
	Modes: three color light adjustment (can adjust brightness)				
	Working temperature: less than 45°C, no hot hazard, safe to touch				
	Tripod stand height: up to 210cm				
35	<b>Unifi 500W PoE+ Switch</b>	unit	4	35,000.00	140,000.00
	☐24 ports PoE+ Switch 500W				
	☐Network Interfaces: (24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports				
	☐Management Interface: (1) RJ45 Serial Port Out-of-Band, Ethernet In-Band				
	☐Total Non-Blocking Throughput: 26 Gbps				
	☐Switching Capacity: 52 Gbps				
	☐Forwarding Rate: 38.69 Mpps				
	☐MAC Address Table: 16384				
	☐Maximum Aggregations: 6				
	☐Monitoring Sessions 1; Maximum VLANs 255				
	☐Power Method 100-240VAC/50-60 Hz, Universal Input				
	☐Power Supply AC/DC, Internal, 500W DC				
	☐Max. Power Consumption: Including PoE				
	☐Output: 500W Excluding PoE Output: 30W;				
	☐ESD/EMP Protection Air: ± 24 kV, Contact: ± 24 kV				
	☐Shock and Vibration ETSI300-019-1.4 Standard				



	☑Operating Temperature -5 to 40° C (23 to 104° F)				
	☑Operating Humidity 5 to 95% Noncondensing				
	☑Certifications CE, FCC, IC				
	☑PoE Interfaces PoE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-)				
	☑Max. PoE+ Wattage per Port by PSE 34.2W				
	☑Voltage Range 802.3at Mode 50–57V				
	☑Max. Passive PoE Wattage per Port 17W				
	☑24V Passive PoE Voltage Range 20-27V				
	☑Should be compatible with existing Unifi Controller of the University				
	☑1-year warranty				
<b>36</b>	<b>UPS, 1000 VA</b>	unit	3	4,000.00	12,000.00
	☑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				
<b>37</b>	<b>UPS, 650VA, Universal Sockets</b>	pc	2	2,800.00	5,600.00
	Output Power Capacity: 325 Watts/650VA				
	Output Frequency: 50/60 Hz +/-1 Hz				
	Output Connections: (2) Universal Receptacle				
	Nominal Input Voltage: 230V				
	Input Connections: NEMA 5-15P				
	Maximum Input Current: 5A				
	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof				
	Recharging Time: 4 Hours				
<b>38</b>	<b>USB Hub, 4 gangs</b>	pcs	2	250.00	500.00
<b>39</b>	<b>UTP Cable (300 meters), CAT 6 23 AWG</b>	boxes	3	8,500.00	25,500.00
	☑UTP Cable cat6				
	☑Cat 6 Cable UTP Unshielded AWG23				
	☑Gray Data LAN Cable				
	☑1000 feet 305m 1000ft.				
	☑must be UL listed & ISO certified cable				
<b>40</b>	<b>Wireless Access Point</b>	unit	7	9,900.00	69,300.00
	☑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				
<b>41</b>	<b>Desktop Computer (i7 Branded)</b>	set	1	85,000.00	85,000.00
	☐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				
<b>42</b>	<b>UPS, 1000 VA</b>	pc	1	4,000.00	4,000.00
	☐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				
<b>43</b>	<b>Web Camera for PC</b>	pcs	5	2,500.00	12,500.00
	☐Image sensor: 1 / 2.9				
	☐Lens: 3.6mm/75.7 °				
	☐Effective pixel: 1932 (H) * 1088 (V)				
	☐Horizontal resolution: 2MP				
	☐SNR: > 50dB				
	☐Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360				
	☐Video Frame rate: 25FPS / 30FPS				
	☐Electronic shutter: Auto				
	☐Protocol: UVC / UVA				
	☐Video output: USB video stream				
	☐Working voltage: DC5V / 160mA ± 6mA				
	☐Working environment: -20 °C to 60 °C				
<b>44</b>	<b>Headset with Noise Cancelling Mic</b>	pcs	2	1,800.00	3,600.00
	☐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				
45	<b>Desktop Computer (Assembled), Intel Core i5</b>	units	2	60,000.00	120,000.00
	☐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				
46	<b>Automatic Emergency Light LED</b>	unit	2	1,900.00	3,800.00
47	<b>Water Dispenser, Cabinet type</b>	pc	3	10,000.00	30,000.00
	☐Floor standing				
	☐Hot and cold function				
	☐plastic body,high efficiency compressor				
	☐thermally protected				
48	<b>External Hard Disk Drive (Portable, 1TB), USB 3.1</b>	unit	3	3,000.00	9,000.00
	☐Shock-absorbing				
	☐Interface: USB 3.1 (Max.5Gb/s)				
	☐Capacity: 1TB				
	☐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				
49	<b>Web Camera up to 4K with Omnidirectional Microphone</b>	pcs	2	10,000.00	20,000.00
	☐Multiple resolutions:				
	◀4K/30fps (up to 4096 x 2160 pixels)				
	◀1080p/30 or 60 fps (up to 1920 x 1080 pixels)				
	◀720p/30, 60, or 90 fps (up to 1280 x 720 pixels)				
	☐Camera mega pixel: 13				
	☐Focus type: Autofocus				
	☐Lens type: Glass				
	☐Built-in mic: Stereo				
	☐Mic range: Up to 1 m				



	▣Diagonal field of view (dFoV): 90°/78°/65°				
	▣Digital zoom: 5x				
	▣USB connectivity: USB-A plug-and-play, supports USB-C with third party adapter (not included)				
	▣Detachable universal mounting clip fits laptops, LCD or monitors				
	▣With HDR for clear image in various lighting environments ranging from low light to direct sunlight.				
	▣Image controls with optional Camera Settings application for control of pan, tilt, and zoom				
	▣Infrared sensor technology for Windows (SDK available for application integration)				
	▣Attachable privacy shutter				
50	<b>Flash Drive, 128GB, USB 3.0</b>	pc	1	1,500.00	1,500.00
	▣Capacity:128GB				
	▣Interface: USB 3.0				
	▣Speed: 100MB/s read, 10MB/s write				
51-54	<b>Ink Set for Epson Copier ProWF-C878R</b>	lot	1	37,000.00	37,000.00
	Ink, Black C13T05A100 for Epson Copier ProWF- C878R (2packs)				
	Ink, Cyan C13T05A200 Epson Copier ProWF- C878R(1pack)				
	Ink, Magenta C13T05A300 for Epson Copier ProWF- C878R (1pack)				
	Ink, Yellow C13T05A400 for Epson Copier ProWF- C878R(1pack)				
55	<b>Flash Drive, at least 32GB USB 3.0</b>	pcs	2	800.00	1,600.00
56	<b>Rechargeable Wireless Keyboard and Mouse Set</b>	unit	2	950.00	1,900.00
	▣Rechargeable Office Wireless Keyboard and Mouse Set				
	▣Size: 284*121*16.mm				
	▣Weight: 280g				
	▣Connection method: USB receiver/Bluetooth				
57	<b>Hard disk 500GB, 7200rpm, for desk top computer</b>	pc	1	4,650.00	4,650.00
58	<b>Computer Monitor 24", IPS</b>	set	2	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				
59	<b>Desktop (Mini) System Unit (8 Core, M1 Chip)</b>	unit	1	40,000.00	40,000.00





	Chip Apple M1 chip				
	8-core CPU with 4 performance cores and 4 efficiency cores				
	8-core GPU				
	16-core Neural Engine				
	8GB unified memory				
	256GB SSD				
	Operating System: macOS Monterey				
	Simultaneously supports up to two displays: One display with up to 6K resolution at 60Hz connected via Thunderbolt and one display with up to 4K resolution at 60Hz connected via HDMI 2.0				
	Native DisplayPort output over USB-C				
	HDMI 2.0 display video output				
	3.5mm headphone jack				
	HDMI 2.0 port supports multichannel audio output				
	Configurable to 10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector)				
	Bluetooth 5.0 wireless technology				
	802.11ax Wi-Fi 6 wireless networking				
	IEEE 802.11a/b/g/n/ac compatible				
<b>60</b>	<b>Tablet 10.9", 64GB, iPadOS, Wifi Only</b>	unit	1	35,000.00	35,000.00
	▣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 speakersDual 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				
61	<b>UPS, at least 500w</b>	pc	1	2,550.00	2,550.00
	Recharging Time: at most 4 Hours				
62	<b>Compact Camera</b>	unit	1	41,000.00	41,000.00
	AF Modes: One Shot AF, Servo AF, Manual Focus				
	AF Point Selection				
	AF System Points				
	Built-in Flash: YES				
	Closest Focusing Distance (cm): 5				
	Continuous Shooting Speed (Shots Per Sec) (Up To): Approx. 8.0				
	Digital Zoom: 4x				
	Dimensions (Excl. Protrusions) (mm) (Approx.): 105.5 x 60.9 x 42.2				
	Drive System				
	Effective ISO: 125 - 12800				
	Effective Pixels (Megapixels): 20.1				
	Exposure Compensation: ±3 stops in 1/3-stop increments				
	Flash Modes: Auto, On, Slow Synchro, Off				
	Focal Length (35mm Equivalent): 24 - 100mm (4.2x)				
	Guide Number ISO 100 metres				
	Image Resolution: 4:3 4864 x 3648(L) 3248 x 2432(M) 2432 x 1824(S1) 2112 x 1600(S2) 3:2 5472 x 3648(L) 3648 x 2432(M) 2736 x 1824(S1) 2400 x 1600(S2)				
	Image Stabilizer: Lens-shift type				
	LCD Monitor (Size) (Inch): 3				
	LCD Monitor Resolutions (dots): 1040000				
	Manual Focus: YES				
	Memory Card Type: SD, SDHC, SDXC				
	Metering Mode: Evaluative, Center-weighted average, Spot				
	Movie Format: MP4				
	Optical Zoom: 4.2x				
	Optional Power				
	Peripheral Connections				
	Processor Type: DIGIC 7				
	Sensor Size: 1.0"				
	Shooting Modes: C, M, Av, Tv, P, Hybrid Auto, Auto, SCN*, Movie*** Self Portrait,				



	Portrait, Panning, Star^, Handheld Night Scene, High Dynamic Range, Fish-eye Effect, Oil-Painting Effect, Water-Painting Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus,				
	Shutter Speed Range (Sec.): 30 - 1/2000, Bulb				
	Standard Power Supply: Battery Pack NB-13L				
	Still Image Format: JPEG, RAW				
	Viewfinder Coverage (Approx.)				
	Viewfinder Type				
	Weight (g) (Including the battery and memory card) (Approx.): 319				
	*For camera kits, weight includes kit lens(es).				
	White Balance: Auto, Day Light, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Underwater, Custom, Color Temp				
<b>63</b>	<b>Computer Keyboard USB</b>	pc	1	400.00	400.00
	▣Standard Keyboard with 104 Keys				
	▣USB Connection				
	▣Low Profile Key Caps				
	▣Minimum Key Noise				
	▣Laser Printing for Key Layout				
	▣Spill Resistant Design				
<b>64</b>	<b>CPU (Central Processing Unit)</b>	pc	1	15,000.00	15,000.00
	▣AMD A10-8770 Processor				
	▣Motherboard compatible with the processor				
	▣Kingston 4GB DDR4-2666 Memory				
	▣CPU Casing w/ PSU				
	▣256GB SSD				
<b>65</b>	<b>Motherboard for 10th Intel Gen Processor, with Generic Casing and Power supply</b>	unit	1	9,000.00	9,000.00
	<b>Motherboard:</b>				
	Intel® LGA 1200 socket: Ready for 10th Gen Intel® Core™ processors,				
	Micro-ATX form factor				
	Enhanced power solution: 6+1+1 power stages, military-grade components, and Digi+ VRM for maximum durability				
	Comprehensive cooling: VRM heatsink, M.2 heatsink, PCH heatsink				
	Made for online gaming: Intel® WiFi 6, Intel® Ethernet Connection I219-V,				
	Realtek S1200A codec: Pristine audio quality with unprecedented 108 dB signal-to-noise ratio for stereo line out and 103 dB SNR for line in				
	Aura Sync RGB Lighting: Synchronizable LED effects across a vast portfolio of				



	compatible PC gear, including addressable RGB strips				
	<b>Casing</b>				
	Micro-ATX Case				
	Generic 700watts power supply				
66	<b>Mouse, Wired Optical, PS/2</b>	pc	1	210.00	210.00
	■Ergonomic Design: Symmetric				
	■Sensor : Optical				
	■Type: Wired (PS2)				
	■System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10				
	■2 buttons + scrolling wheel optical mouse				
	■Works on most surfaces				
	■Microsoft system compatible				
	■Resolution: 1000 DPI				
67	<b>Random Access Memory, DDR4, 2666Mhz, 8GB</b>	pc	1	2,500.00	2,500.00
	Memory Capacity: 8GB				
	Speed: 2666MHz				
	Error Check: Non-ECC				
	Module Type: DIMM •				
	CAS Latency: CL19				
	Form Factor: DDR4				
	Pins: 288 Pin				
	Memory Voltage: 1.2V				
68	<b>Battery Charger for 9 Volts Battery</b>	pc	1	400.00	400.00
	For 9 volts rechargeable batteries *Charges 2x rechargeable batteries (9 volts) at the same time\				
	*With 110v & 220v setting				
	Compatible with Nickel-Cadmium & Nickel-Metal Hydride rechargeable batteries				
69	<b>Ink HP GT51 Black (K), Genuine</b>	btls	2	500.00	1,000.00
70	<b>Ink HP GT52 Cyan (C), Genuine</b>	btls	2	500.00	1,000.00
71	<b>Ink HP GT52 Magenta (M), Genuine</b>	btls	2	500.00	1,000.00
72	<b>Ink HP GT52 Yellow (Y), Genuine</b>	btls	2	500.00	1,000.00
73	<b>Air Condition Non-Inverter Window type 0.5HP, Standard size</b>	units	6	14,500.00	87,000.00
	■at most 600 Watts				
	■cooling capacity: at least 5000 Kilo joules per hour				
	■at least EER 10.0				
74	<b>All-in-One Ink Tank Printer Wi-Fi Duplex with ADF</b>	unit	2	21,000.00	42,000.00
	■Compact integrated tank design				
	■Print speeds up to 15ipm for black and 8.0ipm for colour				
	■Auto-duplex printing Fax and ADF capability / Ethernet &				
	■Wi-Fi Direct				
	■Borderless Printing up to A4 size				
	■Spill-free ink refilling				



	☐Control Panel: 2.4 " Colour LCD Touch Panel				
<b>75</b>	<b>Computer Monitor 24", IPS</b>	set	15	7,500.00	112,500.00
	☐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				
<b>76</b>	<b>Heavy Duty Combo Binding Machine</b>	unit	1	14,500.00	14,500.00
	ΦSpecs:				
	☐Maximum Punching Sheets: 25				
	☐Max Size: LS, F4, A4, Extra Long				
	☐Selectable Punching Pins: 24 slots				
	☐Net Weight: 12.5kgs				
<b>77</b>	<b>Thermal Binding Machine-Glue Thermal Book Binder</b>	unit	1	10,000.00	10,000.00
	- Thermal binding				
	- for desktop of medium duty thermal binding projects				
	- Max thickness of binding is 2"				
	- 3-minute thermal binding cycle with 1 minute heat-up time				
	- HeatShield safety barrier - prevents accidental contact with the heating plate				
	- Visual indicators- shows when machine is ready for thermal binding				
	- Ready-beep sounds when thermal binding cycle is complete.				
	- Internal clamps hold documents in place during thermal binding process.				
	- Auto shut-off safety feature prevents overheating.				
	- Stylish design folds flat for storage.				
	- For use with thermal binding covers only.				
	- Max thickness of binding:2"				
	- Warm up time: within 3 minute				
	- Thickness of cover:50-350g				
	- Item Weight: 4.1kg / 9.04Lbs				
	- Item Size: 38 * 23 * 18cm / 14.96 * 9.06 * 7.09"				
	- Package Weight: 4.4kg / 9.7Lbs				
<b>78</b>	<b>Desktop computer, Branded, AMD Ryzen 5</b>	sets	2	60,000.00	120,000.00
	Processor: Up to AMD Ryzen™ 5				
	Operating System: Up to Windows 10 Pro				
	Graphics: Integrated AMD graphics, Discrete NVIDIA GeForce® GT 730				



	Memory: at least 8GB DDR4 2666 MHz				
	Storage: at least 1TB 7200rpm SATA HDD, and Up to 512GB PCIe SSD				
	Security: Trusted Platform Module firmware				
	Smart USB protection in BIOS: Disable I/O ports in BIOS: USB audio				
	Connectivity: WiFi ac 1 x 1, Bluetooth®, Front Ports at least 2 x USB 3.1 Gen 1 at least 2 x USB2.0, Audio out Mic 7-in-1 card reader (optional); Rear Ports: at least 2 x USB 2.0 VGA HDMI Audio in Audio out Mic RJ-45 Parallel port (optional)				
	USB Keyboard and Mouse				
	Monitor: at least 23 inches IPS LCD/LED at least 1920x1080 addressability at least 16 million colors 100-240VAC				
	50/60Hz UPS: at least 600VA				
	Typical recharge time: at most 4 hour				
	At least 3 years warranty				
<b>79</b>	<b>Laptop, 14" (i7)</b>	units	2	60,000.00	120,000.00
	☑Processor: Intel Core i7 10th generation or higher				
	☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5				
	☑Memory: at least 8GB DDR4-2666				
	☑Storage: at least 256GB SSD M.2 + 1TB HDD				
	☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare				
	☑Touchscreen: None				
	☑Optical: None				
	☑Media Reader: 4-in-1 Card Reader				
	☑Ethernet: None				
	☑WLAN + Bluetooth				
	☑Camera: at least 720p				
	☑Microphone: at least 2x, Array				
	☑Operating System: licensed Windows 10 Home or Pro				
	☑Bundled Software: Microsoft Office Perpetual License				
	☑Repair and replacement should be at most 3 month from returning the unit				
	☑at least 3 years Warranty				
	☑FREE: Backpack				
<b>80</b>	<b>HP 201A Black Original LaserJet Toner Cartridge</b>	pc	1	8,000.00	8,000.00
	<b>Hardware Compatibility:</b>				
	HP Color Laserjet Pro M252 Printer Series, HP Color Laserjet Pro MFP M277 series				
<b>81</b>	<b>HP 201A Magenta Original LaserJet Toner Cartridge</b>	pc	1	8,000.00	8,000.00





	<b>Hardware Compatibility:</b>				
	HP Color Laserjet Pro M252 Printer Series, HP Color Laserjet Pro MFP M277 series				
82	<b>HP 201A Yellow Original LaserJet Toner Cartridge</b>	pc	1	8,000.00	8,000.00
	<b>Hardware Compatibility:</b>				
	HP Color Laserjet Pro M252 Printer Series, HP Color Laserjet Pro MFP M277 series				
83	<b>HP 201A Cyan Original LaserJet Toner Cartridge</b>	pc	1	8,000.00	8,000.00
	<b>Hardware Compatibility:</b>				
	HP Color Laserjet Pro M252 Printer Series, HP Color Laserjet Pro MFP M277 series				
	<b>Rebidding from GOODS-22-22</b>				
84	<b>Air Condition, Split type, Inverter, 2.0 HP</b>	set	1	55,000.00	55,000.00
	☐Cooling capacity: at least 18,500 kJ/h				
	☐wall mounted				
	☐EER rating above 10				
	with Quiet Mode				
	☐with remote control				
	with Anti bacterial air filter				
	with Micro Dust Filter				
	with at least 10 years compressor warranty				
	offer must be in the market for at least 10 years				
	with at least 10-Year Warranty on Compressor				
	☐with one year warranty on parts and services				
	☐with free installation				
85	<b>Aircon, Window Type, 2HP</b>	unit	1	35,000.00	35,000.00
	Cooling Capacity hp: 2.0, kJ/h 19,100				
	Power Input W: 1,640				
	EER kJ/hW: 11.6				
	Noise Level Indoor (Low) dB A: 48				
	Power Source: V/Phase Hz 230 V, 1Ø Phase - 60 Hz				
	Refrigerant: R32				
	Anti-bacterial filter				
	12-hour off timer				
	Automatic condensate removal				
86	<b>All-in-One Ink Tank Printer Wi-Fi Duplex with ADF</b>	unit	1	21,000.00	21,000.00
	☐Compact integrated tank design				
	☐Print speeds up to 15ipm for black and 8.0ipm for colour				
	☐Auto-duplex printing Fax and ADF capability / Ethernet &				
	☐Wi-Fi Direct				



	☐Borderless Printing up to A4 size				
	☐Spill-free ink refilling				
	☐Control Panel: 2.4 " Colour LCD Touch Panel				
<b>87</b>	<b>Canon Pixma Ink Bottle, 886</b>	btls	4	2,000.00	8,000.00
<b>88</b>	<b>Computer Keyboard USB</b>	pcs	5	400.00	2,000.00
	☐Standard Keyboard with 104 Keys				
	☐USB Connection				
	☐Low Profile Key Caps				
	☐Minimum Key Noise				
	☐Laser Printing for Key Layout				
	☐Spill Resistant Design				
<b>89</b>	<b>Computer Monitor 24", IPS</b>	set	5	7,500.00	37,500.00
	☐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				
<b>90</b>	<b>Computer Printer, All-in-One/Multifunction Colored-Ink Tank</b>	unit	3	14,000.00	42,000.00
	☐Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 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				
<b>91</b>	<b>Desktop Computer (i7 Branded)</b>	unit	1	85,000.00	85,000.00
	☐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: at least 8GB (8GBx1) DDR4 2666MHz				
	☐Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5				
	☐Screen: 23" IPS Monitor FHD				
	☐Optical Drive: No Optical Drive				
	☐OS: at least Windows 10 Home Single				



	Language (64bit) English				
<b>92</b>	<b>Desktop Computer (w/o Monitor)</b>	unit	5	24,000.00	120,000.00
	■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				
	■Memory: at least 8GB DDR4 2400 DIMM Desktop Memory				
	■SSD: at least 240GB				
	■Casing with Power Supply				
	■Operating System: Genuine Windows 10 Home (OEM) or higher				
	■w/ USB Keyboard and Mouse				
<b>93</b>	<b>Desktop System Unit Only (no monitor, Assembled), AMD 3600</b>	pc	1	35,000.00	35,000.00
	AMD Ryzen 5 3600 6-Core or higher				
	B450 Chipset MicroATX Motherboard				
	16GB Kit (2 x 8GB) DDR4-3200 Desktop Gaming Memory				
	at least 500GB NVME Solid State Drive				
	nVidia GeForce GT 1030 with 2GB DDR5 VRAM				
	650W PSU 80 PLUS GOLD				
	MicroATX casing				
<b>94</b>	<b>Drone (Professional Quadcopter With 5.5" Screen)</b>	unit	1	260,000.00	260,000.00
	Ready To Fly.				
	Obstacle sensing: 5-way.				
	Obstacle avoidance: 4-way.				
	Redundant sensors: obstacle avoidance, dual compasses, dual IMUs.				
	Range: 4.3 miles.				
	Maximum flight time: 30 minutes.				
	Top speed: 45 mph.				
	Big 1-inch sensor.				
	5.5-inch video monitor for controller.				
	4K video @ 60fps.				
	20MP stills, up to 14fps bursts.				
	Mechanical shutter that eliminates rolling distortion.				
	Wireless compatibility				
	Active-Track for locking onto and tracking subjects.				
<b>95</b>	<b>DSLR Camera (24.2 MP, APS-C with 18-55mm lens)</b>	unit	1	50,000.00	50,000.00
	24.2MP APS-C CMOS Sensor				
	3.0" 1.04m-Dot Vari-Angle Touchscreen				
	Full HD 1080p Video Recording at 60 fps				
	45-Point All Cross-Type AF System				
	Dual Pixel CMOS AF				
	Expanded ISO 25600, Up to 7 fps Shooting				
	Built-In Wi-Fi with NFCEF-S 18-55mm				



	<i>f/3.5-5.6 IS STM</i>				
<b>96</b>	<b>External Hard Disk Drive (Portable, 1TB), USB 3.1</b>	unit	2	3,000.00	6,000.00
	☐Shock-absorbing				
	☐Interface: USB 3.1 (Max.5Gb/s)				
	☐Capacity: 1TB				
	☐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				
<b>97</b>	<b>External Solid State Drive, (Portable, at least 500GB), USB 3.1</b>	pc	1	6,000.00	6,000.00
	Storage Capacity: 500 GB or higher				
	Connection Interface: 1 x USB 3.1 (USB Type-C)				
	Maximum Read Speed: 550 MB/s				
	Type Solid-State Drive				
	Form Factor: 2.5"				
	Cooling System Passive				
	Environmental Resistance Shock				
	IP Rating IP55				
<b>98</b>	<b>Flatbed Scanner</b>	unit	2	5,000.00	10,000.00
	☐Scanner Type:				
	◀Flatbed colour image scanner				
	☐Scanning Method:				
	◀Fixed document and moving carriage				
	☐Optical Resolution:				
	◀4,800 dpi x 4,800 dpi *1				
	☐Output Resolution:				
	◀50 dpi to 4800 dpi, 7200 dpi, 9600 dpi (50 dpi to 4800 dpi in 1 dpi increments) *2				
	☐Scanner Bit Depth (Colour):				
	◀48-bit input, 24-bit output				
	☐Scanner Bit Depth (Grayscale):				
	◀16-bit input, 8-bit output				
	☐Scanner Bit Depth (Black & White):				
	◀16-bit input, 1-bit output				
	☐Max Document Size:				
	◀Up to 216 x 297mm				
<b>99</b>	<b>GPS, Waterproof Hiking</b>	unit	2	20,000.00	40,000.00
	General				
	Display Size - 1.6" x 2.2" (4.1 x 5.6 cm)				
	Display Type - 256 color transfective TFT				
	Weight - 7.7 oz (218 g) with batteries				
	Battery Type - 2 AA batteries				
	Battery Life - 18 hours, typical				
	Watering Rating - IPX7				
	High-Sensitivity Receiver - Yes				
	Maps & Memory				
	Ability to add maps - Yes				
	Basemap - Yes				



	Automatic routing (turn by turn routing on roads) - Yes				
	External Memory Storage - 128 microSD card (included)				
	Waypoints/favorites/locations - 1000				
	Track Log - 10,000 points; 20 saved tracks				
	Routes - 50				
	Outdoor Recreation				
	Hunt/Fish Calendar - Yes				
	Sun and Moon information - Yes				
	Geocaching-Friendly - Yes				
	Sensors				
	Barometric Altimeter - Yes				
	Compass - Yes				
	Area Calculation - Yes				
<b>100</b>	<b>Ink, Epson 003,Genuine Black 65mL</b>	btl	37	350.00	12,950.00
<b>101</b>	<b>LCD Projector, XGA (1024x768)</b>	unit	5	27,000.00	135,000.00
	▣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				
<b>102</b>	<b>Megaphone</b>	unit	3	2,500.00	7,500.00
	Bullhorn				
	1000 yard range				
	For indoor and outdoor use				
	Built-in siren				
	40 W amplifier				
	Built-in mic				
	10 seconds recording function				
<b>103</b>	<b>Printer All-inOne System With Wi-fi, ADF and Ink Tank system</b>	unit	1	21,000.00	21,000.00
	▣PRINTER TYPE:				
	◀Print, Scan, Copy, Fax with ADF				
	▣ISO PRINT SPEED (BLACK/COLOUR):				
	◀Up to 10 ipm / 5.0 ipm				
	▣ISO PRINT SPEED (BLACK/COLOUR):				
	◀Up to 7.7 ipm / 3.8 ipm				
	▣MAXIMUM COPY SIZE: Legal				
	▣SCAN SPEED (FLATBED / ADF):				



	◀ 12 sec / 4.5 ipm (black), 29 sec / 4.5 ipm (colour)				
	▣TYPE OF FAX:				
	◀ Walk-up Black and white and colour fax capability				
	▣SUPPORTED OS & APPLICATIONS:				
	◀ Windows XP / Vista / 7/ 8 / 8.1 / 10				
	◀ Windows Server 2003/ 2008 / 2012 / 201				
	◀ Mac OS X 10.6.8 or later				
	▣INTERFACE:				
	◀ USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
<b>104</b>	<b>Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)</b>	unit	2	11,000.00	22,000.00
	▣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				
<b>105</b>	<b>Smart TV, UHD, 55"</b>	pc	1	50,000.00	50,000.00
	55" Crystal UHD TV				
	Real 4K Picture Quality				
	4K Upscaling				
	HDR (High Dynamic Range)				
	UHD Dimming				
	Mega Contrast				
	Adaptive Sound				
	20W Sound Output				
	Connectivity: Ethernet (LAN); HDMI;				





	Wireless LAN Built-in				
	Power Supply: AC 100-240V 50/60Hz				
<b>106</b>	<b>Speaker, for PC, 2.1 (Speaker with Subwoofer)</b>	pc	2	2,500.00	5,000.00
	☐Power Output : rms 4.5w×2 sw: 12w				
	☐Signal to noise ratio : 80dba				
	☐Frequency Response : 80hz~20khz (±6db)				
	☐R/I: 300±50mv sw: 100 ± 20mv				
	☐Aux/USB/SD card				
	☐Bass driver :4 inch				
	☐Treble driver :2 3/4 inch				
<b>107</b>	<b>UPS, 1000 VA</b>	unit	2	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				
<b>108</b>	<b>UPS, at least 800 watts</b>	unit	1	5,000.00	5,000.00
	Recharging Time: at most 4 Hours				
<b>109</b>	<b>Wireless Optical Mouse</b>	pcs	7	1,000.00	7,000.00
	Adjustable 500/1000 DPI high-definition tracking engine				
	Reliable 2.4GHz wireless connection, perfect for anti-jamming				
	Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play				
	Powered by AA alkaline batteries, you can use this mouse with only one battery				
<b>110</b>	<b>Mouse, Wired Optical, PS/2</b>	pcs	10	210.00	2,100.00
	☐Ergonomic Design: Symmetric				
	☐Sensor : Optical				
	☐Type: Wired (PS2)				
	☐System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10				
	☐2 buttons + scrolling wheel optical mouse				
	☐Works on most surfaces				
	☐Microsoft system compatible				
	☐Resolution: 1000 DPI				
<b>111</b>	<b>Network Attached Storage, 4 Bay, 1.4GHz ARM CPU</b>	unit	1	23,000.00	23,000.00
	CPU: Realtek RTD1296, ARM64 64-bit, Quad-Core 1.4GHz				
	Memory: 2GB DDR4				
	Flash Memory: 8GB eMMC				
	Drive Bays: 4				
	Compatible Drive Type: 3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD				



	Maximum Drive Bays with Expansion Unit: 16				
	Expansion: USB 3.2 Gen 1 x 3				
	Network: 2.5 Gigabit Ethernet (2.5G/1G/100M) x 1				
	Certification: FCC, CE, VCCI, BSMI, C-TICK, KCC, BIS, CCC				
	Input Power Voltage 100V to 240V AC				
	Power Supply Unit / Adapter: 90W x1				
	System Fan: 120 mm x 1				
<b>112</b>	<b>Printer, computer, continuous ink system, 4-in-1 (Print, Scan, Xerox copy, Fax with ADF)</b>	unit	1	22,000.00	22,000.00
	Print Method: On-demand ink jet (piezoelectric)				
	Minimum Ink Droplet Volume: 3 pl				
	Print Direction: Bi-directional printing, Uni-directional printing				
	Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)				
	Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	USB: USB 2.0				
	Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	Network Protocol: TCP/IPv4, TCP/IPv6				
<b>113</b>	<b>Random Access Memory, DDR4, 2666Mhz, 8GB</b>	pcs	15	2,500.00	37,500.00
	Memory Capacity: 8GB				
	Speed: 2666MHz				
	Error Check: Non-ECC				
	Module Type: DIMM •				
	CAS Latency: CL19				
	Form Factor: DDR4				
	Pins: 288 Pin				
	Memory Voltage: 1.2V				
<b>114</b>	<b>Universal HDMI to VGA Adapter Cable, at least 1.8 meters</b>	units	2	300.00	600.00
	Universal HDMI to VGA Adapter Cable				
<b>115</b>	<b>USB Hub, 4 gans</b>	pcs	4	250.00	1,000.00
<b>116</b>	<b>Web Camera for PC</b>	units	2	2,500.00	5,000.00
	Image sensor: 1 / 2.9				
	Lens: 3.6mm/75.7 °				
	Effective pixel: 1932 (H) * 1088 (V)				
	Horizontal resolution: 2MP				
	SNR: > 50dB				
	Video stream: H.264: 1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360				
	Video Frame rate: 25FPS / 30FPS				
	Electronic shutter: Auto				
	Protocol: UVC / UVA				
	Video output: USB video stream				



	☐Working voltage: DC5V / 160mA ± 6mA				
	☐Working environment: -20 deg. celcius to 60deg. Celcius				
<b>117</b>	<b>Computer HD Webcam</b>	pcs	2	4,000.00	8,000.00
	☐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				
<b>118</b>	<b>External Hard Disk Drive (Portable, 1TB), USB 3.1</b>	unit	2	3,800.00	7,600.00
	☐Shock-absorbing				
	☐Interface: USB 3.1 (Max.5Gb/s)				
	☐Capacity: 1TB				
	☐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				
<b>119</b>	<b>Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)</b>	unit	1	11,000.00	11,000.00
	☐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				
<b>120</b>	<b>Antivirus Software 3 Device, 1+1 Year Licence include VPN (enrolled auto-renewal)</b>	pcs	2	2,000.00	4,000.00
	■Antivirus Software keeps your PC/Laptop/Mobile device safe from Trojans, viruses, spyware, rootkits, and more, with state-of-the-art anti-malware protection				
	■Detects, quarantines, and blocks viruses and malware to prevent damage to your PC/Laptop				
	■Keep zero-day threats and botnets at bay - McAfee Active Protection and Global Threat Intelligence technology have you covered				
	■Block inappropriate sites				
	■Two-Way Firewall system monitors and stops traffic in and out of your PC				
	■Keep sensitive files private by storing them on your PC with 128-bit encryption				
	■Eliminate the hassle of passwords with the password manager app				
<b>121</b>	<b>Paper shredder machine, heavy duty</b>	pc	1	6,000.00	6,000.00
	■Shred Type: Cross Cut				
	■Maximum Sheet capacity(70gsm) : 10 Sheets				
	■Waste Container capacity: 21 Liters				
	■Power Source: 220 - 240 VAC				
<b>122</b>	<b>Water Dispenser, Cabinet type</b>	pc	1	10,000.00	10,000.00
	■Floor standing				
	■Hot and cold function				
	■plastic body,high efficiency compressor				
	■thermally protected				
<b>123</b>	<b>Document Scanner w/ ADF</b>	unit	1	40,000.00	40,000.00
	■Flatbed Colored Document Scanner				
	■Combining a flatbed scanner with the convenience of a 50-page ADF				
	■Quickly scan stacks of documents up to 8.5" x 14"				
	■Resolution: 1200 x 1200 dpi				
				<b>TOTAL:</b>	<b>3,341,942.00</b>

**DILBERTO O. FERRAREN**  
 BAC Chairman