Bidding No.: GOODS-22-13
Bidding Title: Supply and Delivery of I.T. Equipment and Supplies
Location of the Project: VSU Main, Visca, Baybay City Leyte

VISAYAS STATE UNIVERSITY

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

Date:　04 March 2022

Project Title:　*Supply and Delivery of I.T. Equipment and Supplies (GOODS-22-13)*

Location:　VSU Main, Visca, Baybay City, Leyte

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

I.　LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
Legal Documents	
1	PhilGEPS Certificate of Registration (Platinum)
	or
	a. Registration Certificate (SEC, DTI or CDA)
	b. Mayor's/Business Permit
	c. Tax Clearance
Technical Documents	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php **1,787,972.57**.
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 1,787,972.57 and the largest of which should be at least PhP **893,986.29**
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
Financial Documents	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php **3,575,945.14**)
	Or
	Committed Line of Credit (at least Php **357,595.00**)
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)

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Please take note:

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).

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.

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4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.

5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at **jessamine.ecleo@vsu.edu.ph** before the deadline.

III. Changes in the Bidding Documents

Original	
Section I. Invitation to Bid 6. A complete set of Bidding Documents may be acquired by interested Bidders on *17 February – 14 March 2022 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.	*(Amendment)* A complete set of Bidding Documents may be acquired by interested Bidders on *17 February – 14 March 2022 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: The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means. The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details: Account Name: Visayas State University Fund 164 Account Number: 3572-1000-13 Then send the deposit slip to *jessamine.ecleo@vsu.edu.ph*
Section II. Instructions to Bidders 15. Sealing and Marking of Bids	*(Additional Instructions)* Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2. For filing purposes, the bidders are urged to use **Orange** envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.

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IV. Revised List of Goods and Technical Specifications

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

Item No.	Description	Unit	Qty	ABC/Unit	Total ABC
1	**1 GBPS SFP Single mode Module**	unit	2	10,000.00	20,000.00
	◉*1G SFP LC LX 10KM SMF XCVR, must be compatible with ARUBA and HPE Switches*				
2	**1TB, Hard disk Drive, 7200rpm, for desktop**	piece	3	3,000.00	9,000.00
	◉*11TB*				
	◉*SATA 6Gb/s interface optimizes burst performance;*				
	◉*64MB Cache*				
	◉*Average Data Rate, Read/Write : 156*				
	◉*Max Sustained Data Rate, OD Read (MB/s) : 210*				
	◉*Cache, Multisegmented (MB) : 64*				
3	**ATX Power Supply (500W)**	pieces	4	980.00	3,920.00
	◉*Single 6pin*				
	◉*24pin connector*				
	◉*Dual 4pin for board*				
	◉*4 sata supply*				
	◉*4 molex supply*				
4	**AVR, 500W (IC Controlled)**	unit	1	500.00	500.00
	◉*Single 6pin-delete*				
	◉*24pin connector-delete*				
	◉*Dual 4pin for board-delete*				
	◉*4 sata supply-delete*				
	◉*4 molex supply-delete*				
5	**Battery Charger for 9 Volts Battery**	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				
6	**CD-R, 700MB, with case**	pieces	50	30.00	1,500.00
7	**Computer HD Webcam**	pieces	6	1,200.00	7,200.00
	◉*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*				
8	**Computer Keyboard USB**	pcs	2	400.00	800.00
	◉*Standard Keyboard with 104 Keys*				
	◉*USB Connection*				
	◉*Low Profile Key Caps*				
	◉*Minimum Key Noise*				
	◉*Laser Printing for Key Layout*				
	◉*Spill Resistant Design*				

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9	**Computer Monitor 24", IPS**	set	2	7,500.00	15,000.00
	◉*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*				
10	**Computer Monitor 24", IPS**	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*				
11	**Computer Printer 3-in-1**	unit	1	9,300.00	9,300.00
	◉*with CIS Filled with Inks*				
	◉*Compact integrated tank design*				
	◉*High yield ink bottles*				
	◉*Spill-free, error-free refilling*				
	◉*Wi-Fi, Wi-Fi Direct*				
	◉*Borderless printing up to 4R*				
12	**Computer Printer, All-in-One/Multifunction Colored-Ink Tank**	unit	10	11,000.00	110,000.00
	◉*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*				
13	**Cover for keyboard**	pieces	1	50.00	50.00
14	**CPU (Central Processing Unit)**	pc	2	15,000.00	30,000.00
	◉*AMD A10-8770 Processor*				
	◉*Asus Prime-delete Motherboard compatible with processor*				
	◉*Kingston 4GB DDR4-2666 Memory*				
	◉*CPU Casing w/ PSU*				
	◉*240GB SSD or higher*				
15	**Desktop Casing mATX and 700W True Rated Power Supply 80 plus**	unit	2	3,000.00	6,000.00
	Casing				
	Front Panel with Metal Mesh for the Best Ventilation				
	*Top Control Panel with 3 * USB + HD Audio for User-friendly*				

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	Super Speed USB 3.0 is Ready				
	Motherboard Compatibility: Micro ATX, Mini-ITX				
	Power supply				
	80 Plus Bronze				
	AC Input: 100v-240VACM 10A-5A 50-60Hz				
	Rated Power: True Rated 700W				
16	**Desktop Computer (i3)** (Assembled)	set	2	30,000.00	60,000.00
	◉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 or higher				
	◉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				
17	**Desktop Computer (i5)** (Assembled)	unit	1	45,000.00	45,000.00
	◉Processor:				
	◀Intel Core i5 9400 or higher				
	◉Motherboard:				
	◀Intel H310 Chipset				
	◀Anti-Sulfur Resistors Design				
	◀Gaming LAN with Bandwidth Management				
	◉Memory:				
	◀16GB (2x8) DDR4 or higher				
	◉SSD: 480GB M.2, or higher				
	◉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				
18	**Desktop Computer (i7)** (Assembled)	unit	11	45,000.00	495,000.00
	◉Processor: Intel® Core™ i7 8th Generation or higher				
	◉Chipset: Intel®H310				
	◉Graphics: Intel® HD Graphics Discrete graphics				
	◉Memory: at least 4 GB Dual Channel, DDR4 at 2666MHz expandable to 32 GB				
	◉Expansion Slots: 1 x M.2, 2 x PCI-e x 1, 1 x PCI-e x 16				
	◉SATA: 4 x SATA 6Gb/s *1				
	◉Storage: at least 240 GB M.2 SSD				
	◉Operating System: Genuine Windows 10 Home				
	◉Power Supply: at least 500 W Peak with ATX case				
	◉Monitor: 24" LED IPS Full HD				
	◉Keyboard and Mouse				

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19	**Desktop Computer (w/o Monitor)** (Assembled)	unit	1	24,000.00	24,000.00
	◉*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: 8GB DDR4 2400 DIMM Desktop Memory*				
	◉*SSD: 240GB or higher*				
	◉*Casing with Power Supply*				
	◉*Operating System: Genuine Windows 10 Home (OEM)*				
	◉*w/ USB Keyboard and Mouse*				
20	**Desktop Computer, All-in-one (AIO)**	unit	3	52,000.00	156,000.00
	◉*Processor: 11th Generation Intel® i5-1135G7 processor (8MB Cache, up to 4.2 GHz)*				
	◉*Display: 23.8-inch FHD (1920 x 1080) Anti-Glare Narrow Border Infinity Non-Touch Display*				
	◉*GPU: Intel Iris Xe Graphics with shared graphics memory*				
	◉*Memory: 8GB, 2666MHz, DDR4 (1x8GB, note: extra slot for upgrade)*				
	◉*Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 7200 rpm 2.5" SATA Hard Drive (Storage)*				
	◉*Ports: 1 Rear USB 2.0 Type A, 3 USB 3.1 Gen 1 Type A, 1 USB 3.1 Gen 2 Type-C, 1 RJ-45, 1 Microphone/Headset Jack, 1 DC power, 1 HDMI-In, 1.HDMI-out (1.4)*				
	◉*Below: Speaker, Power, Input mode, Power on/Wake from USB KBMS from S3/Modern Standby ,S4, S5*				
	◉*Operating System: Windows 10 Home*				
	◉*Included with Wireless Keyboard and Mouse*				
21	**Desktop Computer, All-In-One (AIO), 21.5" IPS**	unit	4	35,000.00	140,000.00
	◉*Processor: Intel Core i3-1005G1 (2C / 4T, 1.2 / 3.4GHz, 4MB) or higher*				
	◉*Graphics: Integrated Intel UHD Graphics*				
	◉*Chipset: Intel SoC Platform Memory: 1x 8GB SO-DIMM DDR4-3200*				
	◉*Memory Slots: Two DDR4 SO-DIMM slots, dual-channel capable*				
	◉*Max Memory: Up to 16GB DDR4-3200*				
	◉*Storage: 512GB SSD M.2 2280 PCIe 3.0 NVMe*				
	◉*Display: 21.5" FHD (1920x1080) IPS 250nits*				
	◉*Touchscreen: None*				
	◉*Keyboard: Calliope Wireless Keyboard*				
	◉*Mouse: Calliope Wireless Mouse*				
	◉*Expansion Slots: Two M.2 slots (one for WLAN, one for SSD)*				
	◉*Ethernet: Integrated 100/1000M WLAN + Bluetooth: 11ax, 2x2 + BT5.0*				
	◉*Rear Ports: 1x power connector 1x HDMI 1.4 out 1x Ethernet (RJ-45) 2x USB 2.0 1x USB 3.1 Gen 1*				
	◉*Left Ports: 1x headphone / microphone combo*				

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	jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1				
22	**Desktop Microphone**	pieces	3	650.00	1,950.00
	◉*Compatible with: Desktop/Notebook/PC, Windows 7-10*				
	◉*Pickup: 6mm Condenser Mic*				
	◉*Microphone Directivity: Omnidirectional*				
	◉*Sensitivity: -58db±3db*				
	◉*Signal-to-noise Ratio: ≤50dB*				
	◉*Cable Length: 2.5m*				
	◉*Type: 3.5mm Plug*				
23	**Dual Monitor Bracket with C-clamp and Grommet Fit**	unit	1	2,000.00	2,000.00
	◉*Fit in 18-32 inch Monitor, Vesa compatible*				
	◉*Height Adjustable Arm*				
	◉*Maximum Load capacity 13kg each arm(26kg both arms)*				
	◉*Landscape and portrait orientation*				
	◉*Tilt angle free adjustment*				
	◉*Velcro strap cable manager*				
24	**Epson 003 Ink Bottle for Epson L3150, Black, Genuine**	btls	18	400.00	7,200.00
25	**Epson 003 Ink Bottle for Epson L3150, CYAN, Genuine**	btls	12	400.00	4,800.00
26	**Epson 003 Ink Bottle for Epson L3150, MAGENTA, Genuine**	btls	12	400.00	4,800.00
27	**Epson 003 Ink Bottle for Epson L3150, YELLOW, Genuine**	btls	12	400.00	4,800.00
28	**EPSON L220 Ink Cartridge Black, Genuine**	btls	6	350.00	2,100.00
29	**EPSON L220 Ink Cartridge Cyan, Genuine**	btls	6	350.00	2,100.00
30	**EPSON L220 Ink Cartridge Magenta, Genuine**	btls	6	350.00	2,100.00
31	**EPSON L220 Ink Cartridge Yellow, Genuine**	btls	6	350.00	2,100.00
32	**Epson L6160 Black 001, Genuine**	btls	20	400.00	8,000.00
33	**Epson L6160 Cyan 001, Genuine**	btls	15	350.00	5,250.00
34	**Epson L6160 Magenta 001, Genuine**	btls	15	350.00	5,250.00
35	**Epson L6160 Yellow 001, Genuine**	btls	15	350.00	5,250.00
36	**External Hard Disk Drive (Portable, 1TB), USB 3.1**	unit	4	3,000.00	12,000.00
	◉*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*				
37	**External Hard Disk Drive (Portable, 2TB), USB 3.1**	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*				
38	**External Hard Disk Drive, (Portable 500GB), USB 3.0**	piece	3	3,500.00	10,500.00
	◉*Hard Drive Type:2.5" HDD*				

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	◙*USB Interface: USB 3.0*				
	◙*Capacity:500GB*				
39	**Fiber Optic Patch Panels**	pc	10	1,000.00	10,000.00
	◙*Termination Area:*				
	◄*Front Sliding Drawer Fiber Express ECX Patch Panel Housing 1U*				
	◄*holds 2 ECX adapter frames or cassettes*				
	◄*FX Adapter Strip LC Duplex*				
40	**Flash Drive, at least 32GB USB 3.0**	piece	7	400.00	2,800.00
41	**Genuine Hp laserjet toner 85A (CE285A) black**	boxes	33	4,000.00	132,000.00
42	**Headset (Wired), Generic Over the Ear with mic**	pcs	3	250.00	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*				
43	**Headset with Noise Cancelling Mic**	unit	9	1,800.00	16,200.00
	◙*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*				
44	**Ink Cartridge, HP680, black, Genuine**	pcs	2	465.00	930.00
45	**Ink Cartridge, HP680, tri color, Genuine**	pcs	2	465.00	930.00
46	**Ink continous, refill,Black BT6000BK (Brother DCP T300), Genuine**	btls	10	400.00	4,000.00
47	**Ink continous, refill,Black BT6000BK (Brother DCP T310), Genuine**	btls	10	400.00	4,000.00
48	**Ink continuous, refill, black (Brother DCP T310), Genuine**	btls	10	400.00	4,000.00
49	**Ink continuous, refill, cyan (Brother DCp T310), Genuine**	btls	10	400.00	4,000.00
50	**Ink continuous, refill, magenta (Brother DCP T310), Genuine**	btls	10	400.00	4,000.00
51	**Ink, Brother BT5000C Cyan, Genuine**	btls	15	500.00	7,500.00
52	**Ink, Brother BT5000M Magenta, Genuine**	btls	15	500.00	7,500.00
53	**Ink, Brother BT5000Y Yellow, Genuine**	btls	15	500.00	7,500.00
54	**Ink, Brother BTD60BK, Black, Genuine**	btls	5	500.00	2,500.00
55	**Ink, Brother LC-539XL, Black, Genuine**	pc	23	470.00	10,810.00
56	**Ink, Brother LC-539XL, Cyan, Genuine**	pc	12	470.00	5,640.00
57	**Ink, Brother LC-539XL, Magenta, Genuine**	pc	12	470.00	5,640.00
58	**Ink, Brother LC-539XL, Yellow, Genuine**	pc	12	470.00	5,640.00
59	**Ink, Cartriage, LC535XL - Cyan, DCP-J100, Genuine**	box	4	400.00	1,600.00
60	**Ink, Cartriage, LC535XL - Magenta, DCP-J100, Genuine**	box	4	400.00	1,600.00
61	**Ink, Cartriage, LC535XL-Yellow, DCP-J100, Genuine**	box	4	400.00	1,600.00

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62	**Ink, Epson 003,Genuine Black 65mL**	btl	82	350.00	28,700.00
63	**Ink, EPSON 003,Genuine Cyan 65mL**	btl	43	350.00	15,050.00
64	**Ink, EPSON 003,Genuine Magenta 65mL**	btl	42	350.00	14,700.00
65	**Ink, EPSON 003,Genuine Yellow 65mL**	btl	42	350.00	14,700.00
66	**Ink, Epson, genuine (C) T664, 70 ml**	pieces	15	350.00	5,250.00
67	**Ink, Epson, genuine (M) T664, 70 ml**	pieces	10	350.00	3,500.00
68	**Ink, Epson, genuine, (BK) T664, 70 ml**	pieces	15	350.00	5,250.00
69	**Ink, Epson, genuine, (Y) T664, 70 ml**	pieces	10	350.00	3,500.00
70	**Keyboard And Mouse Combo Bundle, USB powered**	set	3	600.00	1,800.00
	◎*Keyboard*				
	◄*Keycaps: A-Shape, Round Edge*				
	◄*Hotkeys: No*				
	◄*Character: Laser Engraving*				
	◄*Adjustable Keyboard Legs: Yes*				
	◄*Rating: 5 V / 30 mA*				
	◎*Mouse*				
	◄*Report Rate: 125 Hz*				
	◄*Sensor: Optical*				
	◄*Resolution: 1000 DPI*				
	◄*Rating: 5 V / 100 mA*				
	◄*Buttons No.: 3*				
	◄*Ergonomic Design: Symmetric*				
	◄*Size: Middle / Big Hands*				
71	**Laptop 14" (i5)**	unit	3	44,000.00	132,000.00
	◎*Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher*				
	◎*Operating system: licensed Windows 10 Home*				
	◎*Memory: 4GB Onboard-delete 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*				
72	**Laptop, AMD Ryzen 5 4500U, 14" FHD**	unit	1	45,000.00	45,000.00
	◎*Processor: CPU AMD Ryzen 5 4500U or higher*				
	◎*Graphics: AMD Radeon Graphics*				
	◎*Display: 14" 1920x1080 IPS FHD LED 250NITS*				
	◎*Memory: 16GB DDR4 3200MHZ(8+8)*				
	◎*Storage: 480GB SSD M2 or higher*				
	◎*Keyboard and Touchpad: No backlit*				
	◎*Audio: HD audio Realtek*				
	◎*Camera: 720PHD CAM*				
	◎*Wireless Connectivity: Wi-Fi 6 BT5.0*				
	◎*Battery and Power: 45W BATTERY*				
	◎*Operating System: Genuine Windows 10*				
73	**Laptop, Intel Core i5 10th Gen , 15.6" FHD**	unit	1	45,000.00	45,000.00
	◎*Processor: Intel Core i5 10th gen processor or higher*				
	◎*Memory: 16GB DDR4 2400MHz*				
	◎*Display: 15.6-inch full HD IPS 1920x1080 screen*				
	◎*Graphics card: NVIDIA Geforce MX350 2GB (GDDR5 video memory)*				

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	◙SSD: *480*GB NvME M2 *or higher*				
	◙Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network); Bluetooth Bluetooth5.0				
	◙Operating System: Genuine Windows 10				
74	**Laptop, Intel Core i5 11th Gen, 15.6" FHD**	unit	1	45,000.00	45,000.00
	◙Processor: 11th Gen Intel ® Core ™ i5 or higher				
	◙Graphics: Intel® Iris® Xe Graphics				
	◙Display: 15.6" 1920x1080 resolution FHD IPS				
	◙Memory: 16GB DDR4 3200MHz				
	◙Storage: *480*GB M.2 SSD *or higher*				
	◙Keyboard and Touchpad: Not Backlight				
	◙Audio: Realtek Audio				
	◙Camera: 720P HD				
	◙Wireless Connectivity: Wi-Fi 5 and Bluetooth 4.0-4.2				
	◙Operating System: Genuine Windows 10				
75	**Laser toner cartridge for hp 107A, Replace w/ W1107a, Genuine**	pcs	6	3,500.00	21,000.00
76	**LCD Projector, XGA (1024x768)**	unit	3	27,000.00	81,000.00
	◙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				
77	**Memory Module DDR4, 16GB (8GB x 2)**	pcs	2	5,600.00	11,200.00
	◙Memory Type: DDR4				
	◙Memory Size: 16GB Kit (2 x 8GB)				
	◙Tested Latency: 18-22-22-42				
	◙Tested Voltage: 1.35V				
	◙Tested Speed: 3600MHz				
	◙LED Lighting : RGB				
	◙Single Zone / Multi-Zone Lighting : Individually Addressable				
	◙SPD Latency : 18-18-18-43				
	◙SPD Speed : 2666MHz				
	◙SPD Voltage : 1.2V				
	◙Speed Rating : PC4-28800 (3600MHz)				
	◙Compatibility :Intel 300 Series,Intel 400 Series,Intel 400 Series,Intel X299,AMD X570				
	◙Heat Spreader : Anodized Aluminum				
	◙Package Memory Format: DIMM				
	◙Package Memory Pin : 288				
78	**Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess**	pcs	1	7,500.00	7,500.00
	◙One-time purchase for 1 PC or Mac				
	◙Classic 2019 versions of Word, Excel, and PowerPoint				

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	◙*Microsoft support included for 60 days at no extra cost*				
	◙*Licensed for home use*				
79	**Mirrorless Camera, 24MP APS-C**	unit	1	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*				
80	**Monitor Stand, Dual Articulating, C-Clamp and Grommet Option**	piece	1	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*				
81	**Motherboard, Intel B460 Chipset for Intel LGA 1200 Processors**	unit	2	5,900.00	11,800.00
	◙*Supports 10th Gen Intel® Core™ Processors*				
	◙*Dual Channel Non-ECC Unbuffered DDR4 , 4 DIMMs*				
	◙*High Quality Audio Capacitors and Audio Noise Guard with LED Trace Path Lighting*				
	◙*Ultra-Fast M.2 with PCIe Gen3 X4 & SATA Interface*				
	◙*Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP*				
	◙*Anti-Sulfur Resistors Design*				
	◙*Ultra Durable™ 15KV Surge LAN Protection*				
	◙*Intel® Optane™ Memory Ready*				
82	**Mouse, Wired Optical, PS/2**	pc	2	210.00	420.00
	◙*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*				
83	**Mouse, Wired, Optical, USB**	pieces	5	210.00	1,050.00
	◙*USB Port Connectivity*				
	◙*Sensor: Optical*				
	◙*DPI: 1600*				

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	◉*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*				
84	**Netbook Laptop**	pc	2	14,999.00	29,998.00
	◉*11.6 Inches Screen LED TFT or higher*				
	◉*LCD Display with 1366 x 768 Pixels Resolution, Dual Core-1007U 1.5 Ghz Processer,*				
	◉*2 GB DDR3 included and Expandable 8 GB RAM, 500 GB HDD SATA Hard drive, Intel HD*				
	◉*128 MB Graphics Card, 3 x USB 2.0, Li-ion 4 Hours Battry Life.*				
85	**Photocopier with printer & scanner with ADF, 40PPM (monochrome)**	unit	1	230,000.00	230,000.00
	✓ *Photocopier, Printer and Scanner*				
	✓ *Upto A3 size paper*				
	✓ *Heavy Duty*				
	✓ *24 pages per Minute*				
	✓ *Built-in FEEDER / ADF*				
	✓ *Built-in DUPLEX / Auto Back-to-back*				
	✓ *Memory: 1.5 GB*				
	✓ *Network Ready*				
	✓ *USB Memory Direct Print and Scan*				
	✓ *DrumLife / Maintenance Kit @ 200,000 pages*				
	FREE:				
	✓ *2 years Service Warranty*				
	✓ *1 Year Parts Warranty*				
	✓ *Starter Toner @ 3,000 pages (Black)*				
	✓ *Operations DEMO*				
86	**Power Supply, 300 watts, ATX w/ ATX casing**	pieces	1	1,200.00	1,200.00
87	**Processor, Intel Core i7 at least 10th Generation**	unit	2	19,000.00	38,000.00
	◉*Total Cores: 8*				
	◉*Total Threads: 16*				
	◉*Processor Base Frequency: 3.80 GHz*				
	◉*Max Turbo Frequency: 5.10 GHz*				
	◉*Cache 16 MB Intel® Smart Cache*				
	◉*Bus Speed 8 GT/s*				
	◉*Intel® Turbo Boost Max Technology 3.0 Frequency ‡ 5.10 GHz*				
	◉*Intel® Turbo Boost Technology 2.0 Frequency‡ 5.00 GHz*				
	◉*TDP 125 W*				
	◉*Configurable TDP-down Frequency 3.50 GHz*				
	◉*Configurable TDP-down 95 W*				
88	**Rechargeable Wireless Keyboard and Mouse Set**	unit	1	950	950.00
	◉*Rechargeable Office Wireless Keyboard and Mouse Set*				
	◉*Size: 284*121*16.mm*				
	◉*Weight: 280g*				

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	◉Connection method: USB receiver/Bluetooth				
89	**Stencil Printing Style Digital Duplicator (Risograph)** Machine, Copy Printer, fully-automatic one-drum stencil system, 300x300 dpi, 60-90 sheets per m	set	1	75,000.00	75,000.00
	Copy Printer, fully-automatic one-drum stencil system, 300x300 dpi, 60-90 sheets per minute, 220-240 V, 50-60 Hz, includes ink black, master and cabinet				
90	**RS PRO 9V Battery Holder**	pcs	2	38.07	76.14
	◉*The RS PRO battery holder is suitable for 9V SNAP battery and has 6 prong SNAP terminal.*				
	◉*To contain cells when inserted into battery compartments*				
91	**SD Card, 128 GB**	pcs	3	1,500.00	4,500.00
	◉*Memory SD Card- 128 GB UHS-I SDXC*				
	◉*Card Type: SDXC*				
	◉*Storage Capacity: 128GB*				
	◉*Bus type: UHS-1*				
	◉*Data Transfer Read Speed: 170 MB/s Maximum (Burst)*				
	◉*Write speed: 90 MB/s maximum (Burst)*				
	◉*Write speed: 30 MB/s Minimum*				
	◉*Built-in Write Protect Switch*				
	◉*Durability: Shockproof, Temperature Extremes, waterproof, X-ray Proof*				
	◉*Opening Temperature: -25 to 85C*				
92	**SD Card, 64GB**	pcs	2	1,000.00	2,000.00
	◉*64GB SD Card*				
	◉*SDHC UHS-1 Class 10 80MB/s*				
93	**SD/Micro SD Card Reader Writer USB 2.0 Memory Card Reader OTG Adapter Viewer Micro SD/TF Compact Fla**	set	2	500.00	1,000.00
94	**Security Stick (USB)**	pc	1	3,000.00	3,000.00
	◉*At least 16GB*				
	◉*lock for data*				
	◉*encryption and password protection*				
	◉*locks down and reformats after 10 failed login attempts*				
	◉*USB 3.0 interface*				
95	**SIP VOIP Phone**	unit	5	9,000.00	45,000.00
	◉*1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3)*				
	◉*IPv4 (RFC 791) Integrated web server provides web-based administration and configuration*				
	◉*Telephone keypad configuration via display menu/navigation*				
	◉*Automated provisioning and upgrade via HTTPS, HTTP, TFTP*				
	◉*Asynchronous notification of upgrade availability via NOTIFY*				
	◉*Nonintrusive in-service upgrades*				
	◉*Report generation and event logging*				
	◉*Statistics transmitted in BYE message*				
	◉*Syslog and debug server records: configurable per line*				
	◉*Address Resolution Protocol (ARP)*				
	◉*DNS: A record (RFC 1706), SRV record (RFC*				

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	2782)				
	◉*Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)*				
	◉*Internet Control Message Protocol (ICMP) (RFC 792)*				
	◉*TCP (RFC 793)*				
	◉*User Datagram Protocol (UDP) (RFC 768)*				
	◉*Real-Time Transport Protocol (RTP) (RFC 1889, 1890)*				
	◉*Real-Time Control Protocol (RTCP) (RFC 1889)*				
	◉*Differentiated Services (DiffServ) (RFC 2475)*				
	◉*Type of service (ToS) (RFC 791, 1349)*				
	◉*VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)*				
	◉*Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)*				
	◉*SPCP with the Cisco Unified Communications 500 Series*				
	◉*SIP proxy redundancy: dynamic via DNS SRV, A records*				
	◉*Reregistration with primary SIP proxy server*				
	◉*SIP support in NAT networks (including STUN)*				
	◉*SIPFrag (RFC 3420)*				
	◉*Secure (encrypted) calling via SRTP*				
	◉*Codec name assignment*				
	◉*Voice algorithms*				
	◉*G.711 (A-law and µ-law)*				
	◉*G.726 (16/24/32/40 kbps)*				
	◉*G.729 A*				
	◉*G.722*				
	◉*Dynamic payload support*				
	◉*Adjustable audio frames per packet*				
	◉*Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)*				
	◉*Flexible dial plan support with interdigit timers*				
	◉*IP address/URI dialing support*				
	◉*Call progress tone generation*				
	◉*Jitter buffer: adaptive*				
	◉*Frame loss concealment*				
	◉*Comfort Noise Generation (CNG)*				
	◉*Voice activity detection (VAD) with silence suppression*				
	◉*Attenuation/gain adjustments*				
	◉*VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE*				
	◉*Caller ID support (name and number)*				
	◉*Third-party call control (RFC 3725)*				
	◉*Compatible with existing VOIP Phones of VSU*				
96	**Solid State Drive, 250GB NvME PCiE**	pcs	2	2,900.00	5,800.00
	◉*Capacity: 250GB*				
	◉*Interface: PCIe*				
	◉*Sequential Read Performance: 2400MB/s*				
	◉*Sequential Write Performance: 950MB/s*				
	◉*can last up to 1.75M hours MTTF2 (mean time to failure), with up to 600 TBW3 (terabytes*				

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	written)				
97	**Speaker, for PC, 2.1 (Speaker with Subwoofer)**	pc	3	1,500.00	4,500.00
	◉*Power Output : rms 4.5w×2 sw: 12w*				
	◉*Signal to noise ratio : 80dba*				
	◉*Frequency Response : 80hz~20khz (±6db)*				
	◉*R/l: 300±50mv sw: 100 ± 20mv*				
	◉*Aux/USB/SD card*				
	◉*Bass driver :4 inch*				
	◉*Treble driver :2 3/4 inch*				
98	**Tablet Computer, 8", 32GB ROM**	pieces	5	9,500.00	47,500.00
	◉*Display Size 8.0"*				
	◉*OS Android 9.0 (Pie)*				
	◉*Battery: 5100mAh*				
	◉*RAM: 2GB*				
	◉*ROM: 32GB*				
	◉*External Memory Support: MicroSD Up to 512GB*				
	◉*Card slot microSDXC (dedicated slot)*				
	◉*Chipset Qualcomm SDM429 Snapdragon 429 (12 nm)*				
	◉*CPU Quad-core 2.0 GHz Cortex-A53*				
	◉*GPU Adreno 504*				
	◉*SIM Nano-SIM*				
	◉*Rear Camera Flash: No*				
	◉*Video Recording Resolution: FHD(1920 x 1080)@30fps*				
	◉*OS: Android 9.0 (Pie)*				
99	**UPS**	unit	2	7,000.00	14,000.00
	◉*Output Power Capacity: 550 Watts/1100 VA*				
	◉*Max Configurable Power: 550 Watts/1100 VA 2 years' warranty*				
	◉*Nominal Output Voltage: 230V*				
	◉*Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup)*				
	◉*Nominal Input Voltage: 230V*				
	◉*At most 4 hours charging time*				
100	**UPS, 1000 VA**	unit	1	3,000.00	3,000.00
	◉*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*				
101	**UPS, at least 500 w**	piece	1	2,550.00	2,550.00
	Recharging Time: at most 4 Hours;				
102	**UPS, at least 800 watts**	unit	1	5,000.00	5,000.00
	Recharging Time: at most 4 Hours;				
103	**Vertical Type Fiber Splice Box, IP68 Waterproof Optic Splice Enclosure with Accessories for Structure**	unit	1	3,000.00	3,000.00
	◉*Fiber Optic Splice Enclosure*				
	◉*Material: PC, Alloy*				
	◉*Protection Grade: IP68*				
	◉*Layer Number of Connecting Disc: 1~4 layer*				

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		◎Capacity: 24 Core				
		◎Accessories Included:				
		◀1 x Fiber Optic Splice Enclosure				
		◀1 x U Shape Connector				
		◀1 x Mounting Rail				
		◀2 x Accessory Package				
104		**Web Camera for PC**	unit	6	2,500.00	15,000.00
		◎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 ℃ to 60 ℃				
105		**Web Camera up to 4K with Omnidirectional Microphone**	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				
		Rebidding (from GOODS-21-55)				
106		**Canon PIXMA iP2770 Ink, Cartridge Black, Genuine**	pc	2	900.00	1,800.00
107		**Canon PIXMA iP2770 Ink, Cartridge Colored, Genuine**	pc	3	900.00	2,700.00
108		**CCTV IP Camera**	piece	3	3,192.00	9,576.00
		◎2MP WDR, with Built-in Mic				
		◎12v, DC				
		◎30m IR range,				
		◎1920x1080 Max. Resolution				
		◎Dome Type				

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	◉2.8/4mm fixed lens				
109	**DSLR Camera (24.2 MP, APS-C with 18-55mm lens), Brand new**	unit	2	50,000.00	100,000.00
	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 f/3.5-5.6 IS STM				
110	**DVD RW Disc**	pack	1	2,000.00	2,000.00
	Type: Storage media - DVD+RW (DVD Re-Wrtitable)				
	Dimension: 120mm (4.7 inch)				
	4.7GB storage capacity				
	4x Write Speed				
	120 Minutes storage capacity				
	Add, erase or write over content on a disc				
	50pcs/spindle/pack				
111	**DVD+RW 8x 4.7Gb w/ indiv case**	pieces	20	50.00	1,000.00
112	**DVD-R Disc**	pack	1	1,000.00	1,000.00
	4.7GB Capacity, 1-16x write speed				
	Recording time: HQ: 1 hr, SP: 2 hrs, LP: 4hrs				
	Wide compatibility, Fast Addressing, Archival Reliability, Stable Writing, Temperature Adaptability				
	Supplied in 50 pack shrink wrap.				
113	**Heavy Duty Microphone Wire**	meters	46	71.00	3,266.00
	stereo 3 wires				
	coated silver wires				
	low noise reduction				
114	**Ink Cartridge, HP680, black, Genuine**	pcs	10	480.00	4,800.00
115	**Ink Cartridge, HP680, tri color, Genuine**	pcs	10	480.00	4,800.00
116	**Power supply, at least 550 watts**	piece	2	2,700.00	5,400.00
	true rated				
	◉*at least 550 watts power rating*				
	◉*High efficiency with 80 PLUS certification*				
	◉*24/7 continuous power output with 40 deg. C. operating temperature*				
	◉*Class-leading single +12V rail*				
	◉*Active PFC Circuitry*				
	◉*PCI-E 8pin and PCI-E 6pin connector support*				
	◉*Silent running 120mm fan with 18dBA*				
117	**Printer, Ink Tank, Print Only**	unit	6	8,000.00	48,000.00
	◉*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*				

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	◉*Spill-free, error-free refilling*				
	◉*Borderless printing up to 4R*				
118	**RG6 1694 Digital Coaxial Cable**	meters	17	172.00	2,924.00
	Inductance (uH/1' [0.3 m]) 0.106				
	Capacitance (pF/1' [0.3 m]) 16.2				
	bare Copper Conductor				
	gas-Injected Foam HDPE Insulation				
	Duofoil Tinned- Copper Braided Shield				
	18 AWG				
	Operating Volume UL: 300V, RMS				
	Operating Temperature: -22 to 167F / -30 to 75C				
	resistance 75 ohm				
119	**RJ-45 Modular Connector (AMP)-delete heavy duty**	pieces	10	20.00	200.00
120	**Digital Camera (For Underwater)**	pc	1	21,000.00	21,000.00
	◉*Video: 4K60, 2.7K120, 1080P240*				
	◉*Photo: 12MP*				
	◉*Max video bit rate: 100Mbps (4K)*				
	◉*Connectivity: Wi-Fi, Bluetooth*				
	◉*SoC: GP1 Chip*				
	◉*Digital lenses: SuperView, Wide, Linear, Narrow*				
	◉*Burst: 12MP 3, 5, 10 and 30fps with burst options of 1, 3, 6 and 10 seconds*				
	◉*Time Lapse: 0.5, 1, 2, 5, 10, 30-second and 1, 2, 5 and 30-minute intervals*				
	◉*TimeWarp 2.0: 2x, 5x,10x 15x and 30x recording speeds*				
	◉*Night Lapse: 4, 5, 10, 15, 20, 30-second and 1, 2, 5 and 30-minute intervals*				
	◉*Touchscreen: Intuitive 2-inch LCD*				
	◉*Waterproofing: 10m (33ft) without a case*				
	◉*GPS: Yes*				
	◉*Voice control: Yes*				
	◉*Microphones: three*				
	◉*Battery: removable 1220mAh lithium-ion*				
	◉*Stabilisation: HyperSmooth 2.0 with High and Boost options*				
	◉*HDR: SuperPhoto, auto HDR processing*				
	◉*Memory storage: microSD with at least class 10 or UHS-I rating*				
	Close				
	Rebidding (from GOODS-22-05)				
121	**Anti-virus Software, at least 3 users 1 year**	pc	1	5,000.00	5,000.00
	Anti-malware,				
	anti-ransomware				
	anti-hacking				
	perpetual license-delete				
122	**Antivirus Software 3 Device, 1+1 Year Licence include VPN (enrolled auto-renewal)**	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*				

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	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*				
123	**ATX Power Supply (500W)**	pieces	2	980.00	1,960.00
	◎*Single 6pin*				
	◎*24pin connector*				
	◎*Dual 4pin for board*				
	◎*4 sata supply*				
	◎*4 molex supply*				
124	**Computer HD Webcam**	pieces	4	1,200.00	4,800.00
	◎*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*				
125	**Computer Monitor 24", IPS**	set	8	7,500.00	60,000.00
	◎*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*				
126	**Computer Printer 3-in-1**	unit	2	12,500.00	25,000.00
	◎*with CIS Filled with Inks*				
	◎*Compact integrated tank design*				
	◎*High yield ink bottles*				
	◎*Spill-free, error-free refilling*				
	◎*Wi-Fi, Wi-Fi Direct*				
	◎*Borderless printing up to 4R*				
127	**Computer Printer, All-in-One/Multifunction Colored-Ink Tank**	unit	2	11,000.00	22,000.00
	◎*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*				
128	**Desktop Microphone**	pieces	1	650.00	650.00

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	◙Compatible with: Desktop/Notebook/PC, Windows 7-10				
	◙Pickup: 6mm Condenser Mic				
	◙Microphone Directivity: Omnidirectional				
	◙Sensitivity: -58db±3db				
	◙Signal-to-noise Ratio: ≤50dB				
	◙Cable Length: 2.5m				
	◙Type: 3.5mm Plug				
	Dryer/Sterilizer-delete				
	Kills 99% of bacteria-delete				
	Upper cabinet: at least 65 degrees celsius heating temperature; suitable for plastic, wood, and glass materials-delete				
	Lower cabinet: at least 125 degrees celsius heating temperature; suitable for porcelain, glass, and stainless steel materials-delete				
	With ozone disinfection system-delete				
	Stops growth of molds-delete				
	2 level cabinet-delete				
	Capacity: at least 3.1 cu.ft-delete				
129	**Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors, Genuine**	sets	3	4,700.00	14,100.00
	DURAbrite Ultra Ink				
	Max Economy for prints				
	Print up to A3+				
	Mobile printing with Epson Connect				
	For use on WF-7111 / WF-7611 / WF-7211 / WF-7711				
	Average page yield for black ink cartridge: 2,200 pages				
	Average page yield for colour ink cartridge: 1,100 pages				
130	**Epson L6160 Black 001**	btls	16	400.00	6,400.00
131	**Flatbed Scanner**	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				
132	**HDMI Extender**	pc	2	4,000.00	8,000.00
	120M HDMI Extender Cascade Connection				
	4k Via Cat5e/6				
	CAT6 RJ45 Ethernet Lan Network Card Cable				
	Transmitter Receiver TX RX W/ IR				
133	**HDMI Splitter (8 Port)**	unit	2	7,000.00	14,000.00
	Display Connections- 8				

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	Device HDMI In: 1 x HDMI type A Female (Black)				
	Display HDMI Out: 8 x HDMI type A female (black)				
	Power 1 x DC jack				
	LEDs Power: Green				
	Input: 1 (green)				
	Output: (1-8): 1 (green)				
	HDMI Resolution: 4k x 2k, 1080p				
	Consumption: 5 VDC, 14.84W				
	Operating Temperature: 32 to 122F (0 to 50C)				
	Storage Temperature: -4 to 140F (-20 to 60 C)				
	Humidity: 0 to 80% RH (non-condensing)				
	Housing Metal				
134	**Headset (Wired), Generic Over the Ear with mic**	pcs	3	500.00	1,500.00
	◉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				
135	**Headset, Over Ear, wired**	sets	6	750.00	4,500.00
	◉Wearing Type: Over-ear				
	◉Microphone: Yes				
	◉Volume Control: Yes				
	◉One Key Mute Button: Yes				
	◉Microphone: Omnidirectional				
	◉Plug Type: 3.5mm				
	◉Speaker Diameter: 50mm				
	◉Receive Sensitivity: 101dB				
	◉Impedance: 32Ω				
	◉Frequency Response: 20-20kHz				
136	**Heat Shrink Tube Tubing Sleeve Wrap Wire Cable**	set	6	360.00	2,160.00
	100Pcs/Set				
	7 Color Polyolefin Material				
137	**Heavy Duty Microphone Wire**	meters	60	71.00	4,260.00
	stereo 3 wires				
	coated silver wires				
	low noise reduction				
138	**HP Ink Cartridge 678 Black, Genuine**	piece	20	550.00	11,000.00
139	**HP Ink Cartridge 678 Tricolor, Genuine**	piece	10	550.00	5,500.00
140	**HP Laser Jet Ink Cartridge CC364A Laser Jet P4014 printer, Genuine**	pcs	1	10,500.00	10,500.00
141	**Ink cartridge Cannon Pixma 810 black, Genuine**	pc	5	1,100.00	5,500.00
142	**Ink Cartridge Canon Pixma 811 Color, Genuine**	pcs	10	1,400.00	14,000.00
143	**Ink continous, refill,Black BT6000BK (Brother DCP T310), Genuine**	btls	5	400.00	2,000.00
144	**Ink, Black C13T05A100 for Epson Copier ProWF-C878R, Genuine**	box	1	8,000.00	8,000.00
145	**Ink, Cyan C13T05A200 Epson Copier ProWF-C878R, Genuine**	box	1	8,500.00	8,500.00
146	**Ink, Magenta C13T05A300 for Epson Copier**	box	1	8,500.00	8,500.00

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	ProWF-C878R**, Genuine**				
147	**Ink, T05C1, BLACK, Genuine**	pack	1	8,000.00	8,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
148	**Ink, T05C2, Cyan, Genuine**	pack	1	8,500.00	8,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
149	**Ink, T05C3, Magenta, Genuine**	pack	1	8,500.00	8,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
150	**Ink, T05C4, Yellow, Genuine**	packs	1	8,500.00	8,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
151	**Ink, Yellow C13T05A400 for Epson Copier ProWF-C878R, , Genuine**	box	1	8,500.00	8,500.00
152	**K-3 thermo Scanner with Dispenser and Heavy Duty Stand**	unit	1	4,500.00	4,500.00
153	**Labelling Printer**	unit	2	8,500.00	17,000.00
	Technology: Thermal Transfer				
	Tape Width Capacity: at least 6, 9, 12, 18, 24 mm				
	Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof				
	Connectivity: USB, Bluetooth				
	QR Code Generator: Capable				
	Barcodes: 14 types (Code 128, Code 39, Data Matrix, EAN-128, EAN-13, EAN-8, GS1-128, GS1-DataBar, ITF, MaxiCode, PDF417, QR Code, UPC-A, UPC-E)				
	Cutter: Automatic Full Cut Function				
	Power: AC or Battery				
	Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later				
	Inclusions: 5 different sizes of compatible tapes				
154	**Laser Presentation Remote / Wireless Presenter, Black**	piece	1	700.00	700.00
	◉Wave Length: 640 ~ 660nm (red light)				
	◉Battery type: 2 AAA batteries				
	◉Battery life (Laser pointer): 20-hour maximum				
	◉Battery life (Presenter): 1050-hour maximum				
	◉Wireless operating distance: Approx 10m				
	◉1.49 in (37.8 mm) x 4.55 in (115.5 mm) x 1.08 in (27.4 mm)				
	◉0.65 in (16.5 mm) x 2.31 in (58.6 mm) x 0.31 in (7.9 mm)				
	◉Windows Vista, Windows 7, Windows 8				
	◉Wireless mini-receiver				
	◉2 AAA batteries				
	◉Carrying case				
	◉Quick-start guide				
155	**LED Illuminated "EXIT" Sign, no arrows**	unit	12	4,500.00	54,000.00
	Design Label: Red font in brushed white background				
	Illumination: Bright Red LED, High Brightness LED SMD				

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	Label: Single face				
	Wattage: at least 4 watts				
	Burning Time: at least 90 minutes				
	Material: Aluminum Housing + Glass Panel				
	Input Voltage: AC 220V – 240V 50/60 Hz				
	Battery Type: ni-cd battery				
	Mounting accessories included				
	Dimension: at least 12" x 8" x 2"				
	Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent				
156	**LED Illuminated "Running Man" Sign with Left & Right Arrows and word "EXIT" below**	unit	6	4,500.00	27,000.00
	Design Label: Red font in brushed white background				
	Running Man with Left and Right arrows and word "EXIT" below				
	Illumination: Bright Red LED, High Brightness LED SMD				
	Label: Double face				
	Wattage: at least 4 watts				
	Burning Time: at least 90 minutes				
	Material: Aluminum Housing + Glass Panel				
	Input Voltage: AC 220V – 240V 50/60 Hz				
	Battery Type: ni-cd battery				
	Mounting accessories included				
	Dimension: at least 12" x 5" x 2"				
	Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent				
157	**LED Illuminated "Running Man" Sign with Right Arrow and word "EXIT" on the left**	unit	1	4,500.00	4,500.00
	Design Label: Red font in brushed white background				
	Arrows: Running Man sign with Right arrow and EXIT word on the left				
	Illumination: Bright Red LED, High Brightness LED SMD				
	Label: Double face				
	Wattage: at least 4 watts				
	Burning Time: at least 90 minutes				
	Material: Aluminum Housing + Glass Panel				
	Input Voltage: AC 220V – 240V 50/60 Hz				
	Battery Type: ni-cd battery				
	Mounting accessories included				
	Dimension: at least 12" x 5" x 2"				
	Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent				
158	**Memory, DDR4 (16GB)**	pc	2	4,000.00	8,000.00
	◉*2x8GB 2400Mhz DDR4*				
	◉*Non-ECC CL15 DIMM*				
	◉*Desktop Memory RAM with heat spreaders*				
159	**Power Supply, 300 watts, ATX w/ ATXcasing**	pieces	2	1,200.00	2,400.00
160	**Printer, computer, continuous ink system, 3-in-1 (Print, Scan, Xerox copy, wifi)**	unit	2	13,500.00	27,000.00
	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)				

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	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				
161	**Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)**	unit	8	11,000.00	88,000.00
	◉*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*				
162	**Ribbon Cartridge EPSON S015639**	pieces	15	165.00	2,475.00
	for EPSON LQ-310 printer				
163	**Solid State Drive, 120 GB**	pcs	2	1,600.00	3,200.00
	120GB storage capacity				
	Serial ATA Revision 3.0 interface				
	Sequential read speeds up to 520MB/sec.				
	Shock-resistant design				
	Wide-ranging compatibility				
164	**Speaker, for PC, 2.1 (Speaker with Subwoofer)**	pc	6	1,500.00	9,000.00
	◉*Power Output : rms 4.5w×2 sw: 12w*				
	◉*Signal to noise ratio : 80dba*				
	◉*Frequency Response : 80hz~20khz (±6db)*				
	◉*R/l: 300±50mv sw: 100 ± 20mv*				
	◉*Aux/USB/SD card*				
	◉*Bass driver :4 inch*				
	◉*Treble driver :2 3/4 inch*				
165	**Surge Supressor 6 outlets**	unit	3	600.00	1,800.00
	◉*Maximum capacity: 2500W*				
	◉*Voltage Surge Protector (protects appliances from voltage spikes)*				
	◉*6 Neon Switch*				
	◉*1 Circuit Breaker (protects appliance from overload or short circuit)*				

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	◙3 Two-Prong Outlets				
	◙3 Three-Prong Outlets w/ Grounding				
	◙90 degree outlet orientation				
	◙With line/noise filter				
	◙Royal Cord #16/3 (5.00 meters)				
	◙Metal casing				
166	**Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pieces	3	6,000.00	18,000.00
167	**Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pieces	3	6,000.00	18,000.00
168	**Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine**	pieces	3	6,000.00	18,000.00
169	**Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pcs	3	6,000.00	18,000.00
170	**Universal HDMI to VGA Adapter Cable, at least 1.8 meters**	unit	3	250.00	750.00
171	**UPS Battery, Generic, 17Ah**	pcs	6	1,500.00	9,000.00
	Voltage: 12V				
	Capacity: 17Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
172	**UPS Battery, Generic, 7.2Ah**	pcs	6	700.00	4,200.00
	Voltage: 12V				
	Capacity: 7.2Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
173	**UPS Battery, Generic,12Ah**	pcs	6	1,300.00	7,800.00
	Voltage: 12V				
	Capacity: 12Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
174	**Video Camera**	unit	1	13,000.00	13,000.00
	TYPE: Handheld and lightweight				
	SENSOR TYPE: 1/5.8 type (3.1 mm) (0.12 in) back-illuminated Sensor				
	EFFECTIVE PIXELS (VIDEO): approx. 2.29 Megapixels (16:9)				
	LENS TYPE: ZEISS				
	OPTICAL ZOOM: at least 30x				
	CLEAR IMAGE ZOOM: at least 60x				
	SCREEN TYPE: at least 6.7 cm (2.7 type) Clear Photo LCD display (230 400 dots) Wide (16:9)				
	STORAGE MEDIA: XAVC S HD: Micro SDXC Memory Card (Class 10 or Higher), AVCHD, Still: Memory Stick Micro™ (Mark 2), Micro SD/SDHC/SDXC Memory Card (Class 4 or Higher)				
	AUDIO: Built-in microphone				
	AUDIO RECORDING FORMAT: Dolby Digital 2ch Stereo, Dolby Digital Stereo Creator10, MPEG-4 AAC-LC 2ch11, MPEG-4 Linear PCM 2ch (48 kHz/16 bit), etc.				
	RECORDING FORMAT (VIDEO): AVCHD format ver. 2.0 compatible: MPEG4-AVC/H.264, MP4: MPEG-4 AVC/H.264, XAVC S format MPEG4-AVC/H264				

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	INCLUSIONS: Storage media card, battery, connection chords				
175	**Video Card**	unit	1	9,000.00	9,000.00
	CUDA Cores at least 768				
	Core Speed: at least 1290 MHz				
	Boost Speed: at least 1392 MHz				
	Memory Size: at least 4GB GDDR5				
	Memory Interface: at least 128-bit				
	Memory Frequency: at least 7 Gbps				
	TDP: at least 75 Watts				
	Multi-Screen Support: Yes				
	Resolution:7680X4320@60hz Digital				
	Bus Type: PCI Express 3.0 16x				
176	**VOIP Phone**	unit	1	6,000.00	6,000.00
	◎*1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty*				
	◎*IPv4 (RFC 791)Integrated web server provides web-based administration and configuration*				
	◎*Telephone keypad configuration via display menu/navigation*				
	◎*Automated provisioning and upgrade via HTTPS, HTTP, TFTP*				
	◎*Asynchronous notification of upgrade availability via NOTIFY*				
	◎*Nonintrusive in-service upgrades*				
	◎*Report generation and event logging*				
	◎*Statistics transmitted in BYE message*				
	◎*Syslog and debug server records: configurable per line*				
	◎*Address Resolution Protocol (ARP)*				
	◎*DNS: A record (RFC 1706), SRV record (RFC 2782)*				
	◎*Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)*				
	◎*Internet Control Message Protocol (ICMP) (RFC 792)*				
	◎*TCP (RFC 793)*				
	◎*User Datagram Protocol (UDP) (RFC 768)*				
	◎*Real-Time Transport Protocol (RTP) (RFC 1889, 1890)*				
	◎*Real-Time Control Protocol (RTCP) (RFC 1889)*				
	◎*Differentiated Services (DiffServ) (RFC 2475)*				
	◎*Type of service (ToS) (RFC 791, 1349)*				
	◎*VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)*				
	◎*Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)*				
	◎*SPCP with the Cisco Unified Communications 500 Series*				
	◎*SIP proxy redundancy: dynamic via DNS SRV, A records*				
	◎*Reregistration with primary SIP proxy server*				
	◎*SIP support in NAT networks (including STUN)*				
	◎*SIPFrag (RFC 3420)*				
	◎*Secure (encrypted) calling via SRTP*				
	◎*Codec name assignment*				

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	◙Voice algorithms:				
	◙G.711 (A-law and μ-law)				
	◙G.726 (16/24/32/40 kbps)				
	◙G.729 A				
	◙G.722				
	◙Dynamic payload support				
	◙Adjustable audio frames per packet				
	◙Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)				
	◙Flexible dial plan support with interdigit timers				
	◙IP address/URI dialing support				
	◙Call progress tone generation				
	◙Jitter buffer: adaptive				
	◙Frame loss concealment				
	◙Comfort Noise Generation (CNG)				
	◙Voice activity detection (VAD) with silence suppression				
	◙Attenuation/gain adjustments				
	◙VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE				
	◙Caller ID support (name and number)				
	◙Third-party call control (RFC 3725)				
	◙**Should be compatible with existing fleet of VSU IP Phones (N.B. VSU existing Fleet is CISCO)**				
177	**Web Camera for Laptop and Desktop**	pcs	6	720.00	4,320.00
	◙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				
178	**Ink, Epson Premium Dye Ink, 1 liter, black**	btls	1	1,700.00	1,700.00
179	**Ink, EPSON T9481 XL for WF-C878R Printer, Black**	tube	10	1,500.00	15,000.00
180	**Ink, EPSON T9481 XL for WF-C878R Printer, Cyan**	tube	5	1,500.00	7,500.00
181	**Ink, EPSON T9481 XL for WF-C878R Printer, Magenta**	tube	5	1,500.00	7,500.00
182	**Ink. EPSON T9481 XL for WF-C878R Printer, Yellow**	tube	5	1,500.00	7,500.00
	VSU TOLOSA FOB VSU Tolosa campus				
183	**CCTV Package with Mobile View**	set	1	34,000.00	34,000.00
	What's in the Box:				
	• 1 Unit 8-Channel (DS-7208HGHI-K1) Digital Video Recorder				
	• 4 Units Bullet Type Camera (DS-2CE16DOT-IRPF)				
	• 4 Units Dome Type Camera (DS-2CE56DOT-IRPF)				
	• 8 pcs video & power cable (60Ft)				
	• 1pc all-in-one power adaptor				
	• Mouse				
	• Instruction Manual				
	Camera Features:				
	• 2.0 Megapixel High Performance CMOS				

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	• Turbo HD Output				
	• Up to 1080P Resolution				
	• True Day / Night, DNR, Smart IR				
	• Up to 20m Distance				
	• IP66 Weatherproof (bullet camera)				
	with after sales service and 1 year warranty				
184	**Office Phone**	unit	1	18,500.00	18,500.00
	• *Display: 6.4 "Dynamic AMOLED Touchscreen*				
	• *Resolution: 3040x 1440 pixels*				
	• *Processor: Snapdragon 855*				
	• *Storage: 128GB*				
	• *RAM memory: 8GB*				
	• *Camera: Triple, 12 MP (f / 1.5 and f / 2.4)*				
	• *Front Camera: 10 MP (f / 1.9)*				
	• *Battery: 4001mAh (non-removable)*				
	• *Operating System: Android 11*				
	with after sales service and warranty				
				TOTAL:	**3,575,945.14**

(Sgd.)
DILBERTO O. FERRAREN
BAC Chairman