Bidding No.: GOODS-22-05
Bidding Title: Supply and Delivery of I.T. and Office
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: 02 December 2021

Project Title: *Supply and Delivery of I.T. and Office Equipment and Supplies (GOODS-22-05)*

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 **1,230,022.50**)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 1,230,022.50 and the largest of which should be at least PhP **615,011.25**.
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 2,460,045.00)
	Or
	Committed Line of Credit (at least Php 246,004.50)
(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" <u>**against each of the individual parameters of the specifications**</u> 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.   Convert all documents into Portable Document Format (PDF) and should be printable.
2.   Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

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.

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

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

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

III. Changes in the Bidding Documents

Original	
Section I. Invitation to Bid	*(Amendment)*
6. A complete set of Bidding Documents may be acquired by interested Bidders on *19 November- 10 December 2021 until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.	A complete set of Bidding Documents may be acquired by interested Bidders on *19 November- 10 December 2021 until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means: 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*
11. This procurement project is part of the early procurement activities (EPA) of VSU for 2022 projects. Procurement activities from advertisement until recommendation of award to the HoPE shall be conducted in 2021 but issuance of award to the winning bidder(s) shall be done in 2022 upon the release of 2022	*(Emphasis)*

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General Appropriations Act from DBM.	
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	Total ABC
1	**1TB, Hard disk Drive, 7200rpm, for desktop**	piece	2	3,000.00	6,000.00
	◉*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*				
2	**Air Condition Non-Inverter Window type 0.5HP, Standard size**	unit	2	14,500.00	29,000.00
	◉*at most 600 Watts*				
	◉*cooling capacity: at least 5000 Kilo joules per hour*				
	◉*at least EER 10.0*				
3	**Air Condition, Split type, Inverter, 2.0 HP**	set	2	55,000.00	110,000.00
	◉*Cooling capacity: at least 18,500 kj/h*				
	◉*wall mounted*				
	with Quiet Mode				
	◉*EER rating above 10*				
	◉*with remote control*				
	with Anti bacteria air filter				
	with Micro Dust Filter				
	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*				

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4	**Anti-virus Software, at least 3 users**	pc	1	5,000.00	5,000.00
	Anti-malware,				
	anti-ransomware				
	anti-hacking				
	perpetual license				
5	**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 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*				
6	**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*				
7	**Automatic Voltage Regulatory (AVR), 1500W, heavy duty**	unit	2	5,000.00	10,000.00
	◉*Input: 220volts*				
	◉*Power: 1500watts*				
	◉*Output: 110-220 volts*				
	◉*Range voltage 120v-220 volts*				
	◉*Servo motor controlled*				
8	**AVR, 500W (IC Controlled)**	unit	7	500.00	3,500.00
	◉*Power Output: 500 W*				
	◉*Power Factor Correction (PFC): Active PFC with Value of 0.98*				
	◉*Fan Type: 1 x 120 mm Smart and Silent Fan Control 22 dBA*				
	◉*Safety Standards: FCC, CB, CCC, TUV, CE, C-tick, EMI, EMC, S-Intertek, CPT-AB15*				
9	**Blender and Mixer**	pc	3	6,500.00	19,500.00
	◉*2 in 1 (Blending & Juicer)*				
	◉*Capacity of 1500mL Plastic Container and 450W motor*				
	◉*2 Speed + Pulse control*				

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	◙with Safety switch				
	◙4 sealing lips for leak prevention				
10	**Canon Pixma Ink,GI-790 (Black)**	btls	1	400.00	400.00
11	**Canon Pixma Ink,GI-790 (Cyan)**	btls	1	400.00	400.00
12	**Canon Pixma Ink,GI-790 (Magenta)**	btls	1	400.00	400.00
13	**Canon Pixma Ink,GI-790 (Yellow)**	btls	1	400.00	400.00
14	**Ceiling Fan**	pc	1	2,500.00	2,500.00
	Orbit type				
	metal blade 16"				
	three speed controller				
15	**Clamp Ammeter Tester, True RMS**	unit	1	6,000.00	6,000.00
	True RMS				
	Measurable AC 0.1A～600A				
	ACV & Resistance measurement				
	Small Design & easy to carry				
	Data hold				
	Continuity check buzzer				
	Sampling rate : approx.2 times / sec.AC frequency bandwidth : 50～400Hz				
	Includes: Test Leads and Carrying Case				
16	**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*				
17	**Computer Keyboard USB**	pcs	10	400.00	4,000.00
	◙*Standard Keyboard with 104 Keys*				
	◙*USB Connection*				
	◙*Low Profile Key Caps*				
	◙*Minimum Key Noise*				
	◙*Laser Printing for Key Layout*				
	◙*Spill Resistant Design*				
18	**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*				

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	◙*Flicker free*				
19	**Computer Motherboard**	pc	2	4,000.00	8,000.00
	◙*Supports 9th and 8th Gen Intel® Core™ Processors*				
	◙*Dual Channel Non-ECC Unbuffered DDR4*				
	◙*8-Channel HD Audio with High Quality Audio Capacitors*				
	◙*Gaming LAN with Bandwidth Management*				
	◙*Anti-Sulfur Resistors Design*				
20	**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*				
21	**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*				
22	**Desktop Microphone**	pieces	1	650.00	650.00
	◙*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	**Dish Dryer and Sterilizer**	unit	2	11,500.00	23,000.00
	Dryer/Sterilizer				
	Kills 99% of bacteria				
	Upper cabinet: at least 65 degrees celsius heating temperature; suitable for plastic, wood, and glass materials				

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	Lower cabinet: at least 125 degrees celsius heating temperature; suitable for porcelain, glass, and stainless steel materials				
	With ozone disinfection system				
	Stops growth of molds				
	2 level cabinet				
	Capacity: at least 3.1 cu.ft				
24	**Electric fan**	pc	2	2,500.00	5,000.00
	Stand fan 16" metal blade				
	Adjustable height				
	three speed controller				
25	**Epson 003 Ink Bottle for Epson L3150, Black**	btls	10	400.00	4,000.00
26	**Epson 003 Ink Bottle for Epson L3150, CYAN**	btls	10	400.00	4,000.00
27	**Epson 003 Ink Bottle for Epson L3150, MAGENTA**	btls	10	400.00	4,000.00
28	**Epson 003 Ink Bottle for Epson L3150, YELLOW**	btls	10	400.00	4,000.00
29	**Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors**	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				
30	**EPSON L220 Ink Cartridge Black**	btls	9	350.00	3,150.00
31	**EPSON L220 Ink Cartridge Cyan**	btls	6	350.00	2,100.00
32	**EPSON L220 Ink Cartridge Magenta**	btls	6	350.00	2,100.00
33	**EPSON L220 Ink Cartridge Yellow**	btls	6	350.00	2,100.00
34	**Epson L6160 Black 001**	btls	16	400.00	6,400.00
35	**Epson L6160 Cyan 001**	btls	11	350.00	3,850.00
36	**Epson L6160 Magenta 001**	btls	11	350.00	3,850.00
37	**Epson L6160 Yellow 001**	btls	11	350.00	3,850.00
38	**External Hard Disk Drive (Portable, 1TB), USB 3.1**	unit	12	3,000.00	36,000.00
	◉*Shock-absorbing silicon casing*				
	◉*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*				

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39	**External Hard Disk Drive (Portable, 2TB), USB 3.1**	unit	6	4,200.00	25,200.00
	◙*Shock-absorbing silicon casing*				
	◙*Interface: USB 3.1 (Max.5Gb/s)*				
	◙*Capacity: 2TB*				
	◙*Texture: Plastic/Rubber*				
	◙*Operating Voltage: DC 5V, 900mA*				
	◙*System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later*				
40	**External Hard Disk Drive (Portable, 4TB), USB 3.1**	unit	1	7,000.00	7,000.00
	◙*Shock-absorbing silicon casing*				
	◙*Interface: USB 3.1 (Max.5Gb/s)*				
	◙*Capacity: 4TB*				
	◙*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*				
41	**External Solid State Drive, (Portable, 500GB), USB 3.1**	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				
42	**Flash Drive, 128GB, USB 3.0**	pcs	5	1,500.00	7,500.00
	◙*Capacity:128GB*				
	◙*Interface: USB 3.0*				
	◙*Speed: 100MB/s read, 10MB/s write*				
43	**Flash Drive, USB, 16 GB capacity**	pc	10	200.00	2,000.00
44	**Flash Drive, at least 32GB USB 3.0**	piece	6	800.00	4,800.00
45	**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):*				

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	◄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				
46	**Globe Prepaid Cell Card, 300Php**	pc	22	330.00	7,260.00
	At least 6 months expiry from delivery date				
47	**Globe Pre-paid Cell Card, 500Php**	pc	108	550.00	59,400.00
	At least 6 months expiry from delivery date				
48	**HD Webcam**	pc	2	5,200.00	10,400.00
	Full HD 1080p Video at least 30 fps				
	HD 720p Video at least 30 fps				
	at least 78° Diagonal Field Of View				
	with Dual Microphones				
49	**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				
50	**HDMI Splitter (8 Port)**	unit	2	7,000.00	14,000.00
	Display Connections- 8				
	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				
51	**HDMI to HDMI cable**	piece	7	500.00	3,500.00
	◎chord 1.8 meter long				
52	**Headphone Amplifier, 4 Channel, 15VDC**	unit	1	7,000.00	7,000.00
	4-channel stereo headphone distribution amplifier				
	Four independent 1/4" stereo headphone channels				
	Individual volume control on each headphone channel				
	Two balanced 1/4" input connectors				

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	Stereo 1/8" Aux input and output				
	Master Mute and Mono-summing switches				
	Inputs: 2 x 1/4" balanced, stereo 1/8" unbalanced TRS				
	Outputs: 4 x stereo 1/4" unbalanced, stereo 1/8" unbalanced TRS				
	Controls: Master volume, master Mute, master Mono, 4 x Channel volume				
	Noise Floor: -114dBu, 22k BW unweighted				
	Maximum Output: 8.3 dBu, 1% THD+N, loaded 16R				
	Output Power: 282mW per side / 564mW per channel, loaded 32Ω				
	Dynamic Range: 22dB, 22k BW				
	Frequency Response: 17Hz–47kHz (-3dB)				
	Power: 15VDC adapter				
53	**Headphone, Professional, Studio Grade**	unit	3	8,000.00	24,000.00
	Type: Closed-back dynamic				
	Driver Diameter: 40 mm				
	Frequency Response: 15 - 24,000 Hz				
	Maximum Input Power: 1,600 mW at 1 kHz				
	Sensitivity: 98 dB				
	Impedance: 35 ohms				
	Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable				
	Cable - Detachable: Yes				
	Magnet: Neodymium				
	Voice Coil: CCAW (Copper-clad aluminum wire)				
	Folding/collapsible: Yes				
	Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter				
54	**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*				
55	**Headset with Noise Cancelling Mic**	unit	5	1,800.00	9,000.00
	◉*Input Impedance: at least 32 Ohms*				
	◉*Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB*				
	◉*Sensitivity (microphone): -17 dBV/Pa +/- 4 dB*				

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	◉*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*				
56	**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*				
57	**Heat Shrink Tube Tubing Sleeve Wrap Wire Cable**	set	6	360.00	2,160.00
	100Pcs/Set				
	7 Color Polyolefin Material				
58	**Heavy Duty Combo Binding Machine**	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*				
59	**Heavy Duty Microphone Wire**	meters	60	71.00	4,260.00
	stereo 3 wires				
	coated silver wires				
	low noise reduction				
60	**HP Ink Cartridge 678 Black**	piece	20	450.00	9,000.00
61	**HP Ink Cartridge 678 Tricolor**	piece	10	450.00	4,500.00
62	**HP Laser Jet Ink Cartridge CC364A Laser Jet P4014 printer**	pcs	1	7,500.00	7,500.00
63	**Ink cartridge Cannon Pixma 810 black**	pc	6	800.00	4,800.00
64	**Ink Cartridge Canon Pixma 811 Color**	pcs	12	1,100.00	13,200.00
65	**Ink continous, refill,Black BT6000BK (Brother DCP T310)**	btls	5	400.00	2,000.00
66	**Ink HP GT51 Black (K)**	btls	3	500.00	1,500.00
67	**Ink HP GT52 Cyan (C)**	btls	3	500.00	1,500.00
68	**Ink HP GT52 Magenta (M)**	btls	3	500.00	1,500.00
69	**Ink HP GT52 Yellow (Y)**	btls	3	500.00	1,500.00
70	**Ink, Black C13T05A100 for Epson Copier ProWF-C878R**	box	2	3,000.00	6,000.00
71	**Ink, Brother BT5000C Cyan**	btls	38	500.00	19,000.00
72	**Ink, Brother BT5000M Magenta**	btls	28	500.00	14,000.00

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73	**Ink, Brother BT5000Y Yellow**	btls	28	500.00	14,000.00
74	**Ink, Brother BTD60BK, Black**	btls	31	500.00	15,500.00
75	**Ink, Cyan C13T05A200 Epson Copier ProWF-C878R**	box	2	3,000.00	6,000.00
76	**Ink, Epson 003,Genuine Black 65mL**	btl	412	350.00	144,200.00
77	**Ink, EPSON 003,Genuine Cyan 65mL**	btl	210	350.00	73,500.00
78	**Ink, EPSON 003,Genuine Magenta 65mL**	btl	195	350.00	68,250.00
79	**Ink, EPSON 003,Genuine Yellow 65mL**	btl	201	350.00	70,350.00
80	**Ink, Epson, genuine (C) T664, 70 ml**	pieces	164	350.00	57,400.00
81	**Ink, Epson, genuine (M) T664, 70 ml**	pieces	161	350.00	56,350.00
82	**Ink, Epson, genuine, (BK) T664, 70 ml**	pieces	354	350.00	123,900.00
83	**Ink, Epson, genuine, (Y) T664, 70 ml**	pieces	134	350.00	46,900.00
84	**Ink, Magenta C13T05A300 for Epson Copier ProWF-C878R**	box	2	3,000.00	6,000.00
85	**Ink, T05C1, BLACK**	pack	4	1,500.00	6,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
86	**Ink, T05C2, Cyan**	pack	3	1,500.00	4,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
87	**Ink, T05C3, Magenta**	pack	3	1,500.00	4,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
88	**Ink, T05C4, Yellow**	packs	3	1,500.00	4,500.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
89	**Ink, Yellow C13T05A400 for Epson Copier ProWF-C878R**	box	2	3,000.00	6,000.00
90	**K-3 thermo Scanner with Dispenser and Heavy Duty Stand**	unit	1	4,500.00	4,500.00
91	**Keyboard And Mouse Combo Bundle, USB powered**	set	7	600.00	4,200.00
	◉*Keyboard*				
	◄*Keycaps: A-Shape, Round Edge*				
	◄*Hotkeys: No*				
	◄*Character: Laser Engraving*				
	◄*Adjustable Keyboard Legs: Yes*				
	◄*Rating: 5 V / 30 mA*				
	◉*Mouse*				
92	**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				

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	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				
93	**Laminator Machine, A3**	unit	1	5,000.00	5,000.00
	◉*Heavy Duty, for A3 & A4 size, infrared heating system and adjustable temperature control with overheating protection*				
94	**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*				
95	**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				
	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				
96	**LED Illuminated "Running Man" Sign with Left & Right Arrows and word "EXIT" below**	unit	6	4,500.00	27,000.00

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	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				
97	**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				
98	**Memory, DDR4 (16GB)**	pc	2	4,000.00	8,000.00
	◉*2x8GB 2400Mhz DDR4*				
	◉*Non-ECC CL15 DIMM*				
	◉*Desktop Memory RAM with heat spreaders*				
99	**Microwave Oven, Digital, Non-Inventer, 13 Power Levels**	pc	2	14,000.00	28,000.00
	◉*30 Liters capacity*				
	◉*Grill and convection*				
	◉*electronic control*				
	◉*dual wave system*				
	◉*13 power levels*				
	◉*900W*				
	◉*Non-Inventer*				

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100	**Mouse, Wired, Optical, USB**	pieces	11	210.00	2,310.00
	◉*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*				
101	**Paper shredder machine, heavy duty**	pieces	3	6,000.00	18,000.00
	◉*Shred Type: Cross Cut*				
	◉*Maximum Sheet capacity(70gsm) : 10 Sheets*				
	◉*Waste Container capacity: 21 Liters*				
	◉*Power Source: 220 - 240 VAC*				
102	**Power Supply, 300 watts, ATX w/ ATXcasing**	pieces	2	1,200.00	2,400.00
103	**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)				
	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				
104	**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*				

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	◉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				
105	**Processor, Intel Core i5, at least 8th gen**	unit	2	11,500.00	23,000.00
	◉6 Cores/ 6 Threads				
	◉2.90 GHz up to 4.10 GHz Max Turbo Frequency/ 9 MB Cache				
	◉Compatible only with Motherboards based on Intel 300 Series Chipsets				
	◉Discrete GPU required - No integrated graphics				
	◉Intel Optane Memory supported				
106	**Refrigerator - at least 3.5 cu. ft., Two-door Personal Refrigerator (Direct Cool), inverter**	unit	2	10,000.00	20,000.00
107	**Ribbon Cartridge EPSON S015639**	pieces	15	165.00	2,475.00
	for EPSON LQ-310 printer				
108	**Smart Prepaid Cell Card, 300Php**	pc	20	330.00	6,600.00
	At least 6 months expiry from delivery date				
109	**Smart Prepaid Cell Card, 500Php**	pc	108	550.00	59,400.00
	At least 6 months expiry from delivery date				
110	**Soldering Iron Kit, with carrying case**	set	2	1,000.00	2,000.00
	◉Electronics 15 Pieces Set Adjustable Temperature Soldering Tool, 5 Soldering Tips, Desoldering Pump w/ heater, Soldering Iron Stand, Tweezers, with carrying bag				
	◉Work Voltage: 220V				
	◉Power: 60W				
	◉Temp Range: 200℃ - 450 ℃				
	◉Tweezers: ESD-15, Length at least 4.7inches				
	◉Soldering Iron Stand: Steel				
	◉Tips Model: 900M series				
	◉Desoldering Pump: Plastic and aluminum alloy				
	◉Carrying bag: Fabric				
111	**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				

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	Wide-ranging compatibility				
112	**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*				
113	**Stand Fan, banana type 18" banana blade**	unit	4	1,500.00	6,000.00
114	**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)*				
	◙*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*				
115	**T9481XL T9481-T9484 Pigment Ink Bag With Chip Compatible For Epson WorkForce Pro WF-C5790**	sets	2	6,500.00	13,000.00
116	**Toner Cartridge, HP 85A | CE285A, Black**	boxes	6	3,500.00	21,000.00
	HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w				
	HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C				
117	**Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pieces	3	6,000.00	18,000.00
118	**Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pieces	3	6,000.00	18,000.00
119	**Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine**	pieces	3	6,000.00	18,000.00
120	**Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine**	pcs	3	6,000.00	18,000.00
121	**Tower Fan**	unit	1	6,000.00	6,000.00
	◙*Tower type Fan,*				
	◙*880mm with Ionizer and remote*				

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	◉*Wattage (40w), Fan speed: 1425RPM*				
122	**Universal HDMI to VGA Adapter Cable, at least 1.8 meters**	unit	3	250.00	750.00
123	**UPS Battery, Generic, 17Ah**	pcs	6	1,500.00	9,000.00
	Voltage: 12V				
	Capacity: 17Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
124	**UPS Battery, Generic, 7.2Ah**	pcs	6	700.00	4,200.00
	Voltage: 12V				
	Capacity: 7.2Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
125	**UPS Battery, Generic,12Ah**	pcs	6	1,300.00	7,800.00
	Voltage: 12V				
	Capacity: 12Ah				
	Battery Type: Sealed Lead Acid Maintenance Free				
126	**UPS, 1000 VA**	unit	5	3,000.00	15,000.00
	◉*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*				
127	**UPS, 650VA, Universal Sockets**	pc	3	2,800.00	8,400.00
	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 leak-proof				
	Recharging Time: 4 Hours				
128	**UPS, at least 500 w**	piece	1	2,550.00	2,550.00
	Recharging Time: at most 4 Hours				
129	UPS, at least 800 watts	unit	15	5,000.00	75,000.00
	Recharging Time: at most 4 Hours				
130	**Vacuum Cleaner**	unit	2	12,500.00	25,000.00
	Operation: Cordless operation/usage				
	Function: Suction + Sweep				
	Maximum suction power: at least 150AW				
	Storage: at least 600ml Dust Bin				
	Battery: at least 3000mAh				

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	Power Requirement: 220-240V				
	HEPA Filter - PM 0.3 dust and mite removal (washable)				
	Inclusion: multi-function compatible brush head				
131	**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				
	INCLUSIONS: Storage media card, battery, connection chords				
132	**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				
133	**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*				

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◉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					
◉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					

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	◉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				
134	**Water Dispenser, Cabinet type**	pc	3	10,000.00	30,000.00
	◉Floor standing				
	◉Hot and cold function				
	◉plastic body, high efficiency compressor				
	◉thermally protected				
135	**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				
136	**Web Camera for PC**	unit	7	2,500.00	17,500.00
	◉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 ℃ to 60 ℃				

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137	**Windows 10 Operating System**	Licenses	2	10,000.00	20,000.00
	◙*Genuine Windows 10 Volume License*				
138	**Wireless Access Point**	unit	1	9,900.00	9,900.00
	◙*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*				

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	◉*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*				
139	**Wireless Optical Mouse**	pcs	3	1,000.00	3,000.00
	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				
140	Ink, Epson Premium Dye Ink, 1 liter, black	btls	1	1,700.00	1,700.00
141	Ink, EPSON T9481 XL for WF-C878R Printer, Black	tube	10	1,500.00	15,000.00
142	Ink, EPSON T9481 XL for WF-C878R Printer, Cyan	tube	5	1,500.00	7,500.00
143	Ink, EPSON T9481 XL for WF-C878R Printer, Magenta	tube	5	1,500.00	7,500.00
144	Ink. EPSON T9481 XL for WF-C878R Printer, Yellow	tube	5	1,500.00	7,500.00
	VSU TOLOSA FOB VSU Tolosa campus				
145	**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)				

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	• 1pc all-in-one power adaptor					
	• Mouse					
	• Instruction Manual					
	Camera Features:					
	• 2.0 Megapixel High Performance CMOS					
	• 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 warranty					
146	**LED TV / TCL 50" UHD**	set	1	45,000.00	45,000.00	
	• Feartures: Slim Design					
	• Plastic Frame					
	• 4K HDR					
	• MICRO Dimming					
	• HDR 10					
	• Rich Color Expansion					
	• 4k Upscaling					
	• Dolby Audio					
	• Android P OS					
	• Google Assistant					
	with after sales service and warranty					
147	**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					
148	**Portable Trolly Speaker (250watts RMS 12" WOOFER)**	set	1	16,000.00	16,000.00	
	• Bluetooth					
	• LCD Display					
	• 12VDC IN/OUT					
	• 5 Band Equalizer					
	• USB/SD Port					
	• FM Radio					
	• Remote Control					

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	• 2 Wireless mic					
	• Rechargable Battery					
	• 220V AC					
	• Mic input					
	• Guitar / mic 2 input					
	• AUX/Line in					
	with after sales service and warranty					
149	**Gas Range with LPG Tank (regulator and hose)**	set	1	40,000.00	40,000.00
	• 50x50cm freestanding cooker					
	• 3 gas + hotplate burners					
	• 55L gas oven and gas grill					
	• full glass door design					
	• push button iginition					
	• flat - glossy burner cap					
	• enamelled pan support					
	with after sales service and warranty					
				TOTAL:		**2,460,045.00**

(Sgd.)
DILBERTO O. FERRAREN
BAC Chairman