



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of I.T. Equipment and Supplies (GOODS-22-13)

Government of the Republic of the Philippines

**March 14, 2022; 2:00 PM
PPO Conference, Lower Campus, VSU, Visca, Baybay City,
Leyte**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



INVITATION TO BID FOR SUPPLY AND DELIVERY OF I.T. EQUIPMENT AND SUPPLIES

1. The *Visayas State University* through the *GF, STF, TF* intends to apply the sum of *Three Million Five Hundred Seventy-Five Thousand Nine Hundred Forty-Five and 14/100 Pesos (PhP 3,575,945.14)* being the ABC to payments under the contract for *Supply and Delivery of I.T. Equipment and Supplies (GOODS-22-13)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

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

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				
	■24pin connector				
	■Dual 4pin for board				
	■4 sata supply				
	■4 molex supply				
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				
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 Motherboard				
	■Kingston 4GB DDR4-2555 Memory				
	■CPU Casing w/ PSU				
	■256GB SSD				
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				
	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)	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				
	■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)	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: 500GB M.2,				
	■Optical Drive: DVD-RW				
	■Casing: W/ 700W PSU,				
	■Monitor: 23" IPS FHD,				
	■Operating System:				
	◀Genuine Windows 10 Home (OEM)				
	■Keyboard and mouse combo				
	■500W IC controlled AVR				
	■Stereo speakers				
18	Desktop Computer (i7)	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 250 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				
19	Desktop Computer (w/o Monitor)	unit	1	24,000.00	24,000.00
	■Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz)				
	■Motherboard Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151				
	■Memory: 8GB DDR4 2400 DIMM Desktop Memory				
	■SSD: 240GB				
	■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,				

	<i>dual-channel capable</i>				
	■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 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	btls	18	400.00	7,200.00
25	Epson 003 Ink Bottle for Epson L3150, CYAN	btls	12	400.00	4,800.00
26	Epson 003 Ink Bottle for Epson L3150, MAGENTA	btls	12	400.00	4,800.00
27	Epson 003 Ink Bottle for Epson L3150, YELLOW	btls	12	400.00	4,800.00
28	EPSON L220 Ink Cartridge Black	btls	6	350.00	2,100.00
29	EPSON L220 Ink Cartridge Cyan	btls	6	350.00	2,100.00
30	EPSON L220 Ink Cartridge Magenta	btls	6	350.00	2,100.00
31	EPSON L220 Ink Cartridge Yellow	btls	6	350.00	2,100.00
32	Epson L6160 Black 001	btls	20	400.00	8,000.00
33	Epson L6160 Cyan 001	btls	15	350.00	5,250.00
34	Epson L6160 Magenta 001	btls	15	350.00	5,250.00
35	Epson L6160 Yellow 001	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				

	<i>Kernel 2.6 or later</i>				
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				
	■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	800.00	5,600.00
41	Genuine Hp laserjet toner 85A (CE285A) black	boxes	60	2,200.00	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	pcs	2	465.00	930.00
45	Ink Cartridge, HP680, tri color	pcs	2	465.00	930.00
46	Ink continous, refill,Black BT6000BK (Brother DCP T300)	btls	10	400.00	4,000.00
47	Ink continous, refill,Black BT6000BK (Brother DCP T310)	btls	10	400.00	4,000.00
48	Ink continuous, refill, black (Brother DCP T310)	btls	10	400.00	4,000.00
49	Ink continuous, refill, cyan (Brother DCp T310)	btls	10	400.00	4,000.00
50	Ink continuous, refill, magenta (Brother DCP	btls	10	400.00	4,000.00

	T310)				
51	Ink, Brother BT5000C Cyan	btls	15	500.00	7,500.00
52	Ink, Brother BT5000M Magenta	btls	15	500.00	7,500.00
53	Ink, Brother BT5000Y Yellow	btls	15	500.00	7,500.00
54	Ink, Brother BT60BK, Black	btls	5	500.00	2,500.00
55	Ink, Brother LC-539XL, Black	pc	23	470.00	10,810.00
56	Ink, Brother LC-539XL, Cyan	pc	12	470.00	5,640.00
57	Ink, Brother LC-539XL, Magenta	pc	12	470.00	5,640.00
58	Ink, Brother LC-539XL, Yellow	pc	12	470.00	5,640.00
59	Ink, Carriage, LC535XL - Cyan, DCP-J100	box	4	400.00	1,600.00
60	Ink, Carriage, LC535XL - Magenta, DCP-J100	box	4	400.00	1,600.00
61	Ink, Carriage, LC535XL-Yellow, DCP-J100	box	4	400.00	1,600.00
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: Windows 10 Home				
	■Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)				
	■Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC				
	■Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM				
	■Storage: 512GB PCIe Gen3 x2 SSD				
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: 512g SSD M2				
	■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)				
	■SSD: 512GB NVMe M2				
	■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: 512GB M.2 SSD				
	■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	pcs	6	8,800.00	52,800.00
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				
	■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				
	■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				
	■LCD Display with 1366 x 768 Pixels Resolution, Dual Core-1007U 1.5 Ghz Processor,				
	■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 Battery 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	18,000.00	36,000.00
	■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				
	■Connection method: USB receiver/Bluetooth				
89	Riso 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 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 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/I: 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 Structur	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				
	■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 °C to 60 °C				
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				
	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 NFC/EF-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-Writable)				
	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	465.00	4,650.00
115	Ink Cartridge, HP680, tri color, Genuine	pcs	10	465.00	4,650.00
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				
	■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 Voltage UL: 300V, RMS				
	Operating Temperature: -22 to 167F / -30 to 75C				
	resistance 75 ohm				
119	RJ-45 Modular Connector (AMP)	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	pc	1	5,000.00	5,000.00
	Anti-malware,				
	anti-ransomware				
	anti-hacking				
	perpetual license				
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 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
	■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				
	Kills 99% of bacteria				
	Upper cabinet: at least 65 degrees celsius heating temperature; suitable for plastic, wood, and glass materials				
	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				
129	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				
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				
	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

	<i>stereo 3 wires</i>				
	<i>coated silver wires</i>				
	<i>low noise reduction</i>				
138	HP Ink Cartridge 678 Black	piece	20	450.00	9,000.00
139	HP Ink Cartridge 678 Tricolor	piece	10	450.00	4,500.00
140	HP Laser Jet Ink Cartridge CC364A Laser Jet P4014 printer	pcs	1	7,500.00	7,500.00
141	Ink cartridge Cannon Pixma 810 black	pc	6	800.00	4,800.00
142	Ink Cartridge Canon Pixma 811 Color	pcs	12	1,100.00	13,200.00
143	Ink continous, refill,Black BT6000BK (Brother DCP T310)	btls	5	400.00	2,000.00
144	Ink, Black C13T05A100 for Epson Copier ProWF-C878R	box	2	3,000.00	6,000.00
145	Ink, Cyan C13T05A200 Epson Copier ProWF-C878R	box	2	3,000.00	6,000.00
146	Ink, Magenta C13T05A300 for Epson Copier ProWF-C878R	box	2	3,000.00	6,000.00
147	Ink, T05C1, BLACK	pack	4	1,500.00	6,000.00
	<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>				
148	Ink, T05C2, Cyan	pack	3	1,500.00	4,500.00
	<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>				
149	Ink, T05C3, Magenta	pack	3	1,500.00	4,500.00
	<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>				
150	Ink, T05C4, Yellow	packs	3	1,500.00	4,500.00
	<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>				
151	Ink, Yellow C13T05A400 for Epson Copier ProWF-C878R	box	2	3,000.00	6,000.00
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
	<i>Technology: Thermal Transfer</i>				
	<i>Tape Width Capacity: at least 6, 9, 12, 18, 24 mm</i>				
	<i>Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof</i>				
	<i>Connectivity: USB, Bluetooth</i>				
	<i>QR Code Generator: Capable</i>				
	<i>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)</i>				
	<i>Cutter: Automatic Full Cut Function</i>				
	<i>Power: AC or Battery</i>				
	<i>Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later</i>				
	<i>Inclusions: 5 different sizes of compatible tapes</i>				
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
	<i>Design Label: Red font in brushed white background</i>				
	<i>Illumination: Bright Red LED, High Brightness LED SMD</i>				
	<i>Label: Single face</i>				
	<i>Wattage: at least 4 watts</i>				
	<i>Burning Time: at least 90 minutes</i>				
	<i>Material: Aluminum Housing + Glass Panel</i>				
	<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>				
	<i>Battery Type: ni-cd battery</i>				
	<i>Mounting accessories included</i>				
	<i>Dimension: at least 12" x 8" x 2"</i>				
	<i>Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent</i>				
156	LED Illuminated "Running Man" Sign with Left & Right Arrows and word "EXIT" below	unit	6	4,500.00	27,000.00
	<i>Design Label: Red font in brushed white background</i>				
	<i>Running Man with Left and Right arrows and word "EXIT" below</i>				
	<i>Illumination: Bright Red LED, High Brightness LED SMD</i>				
	<i>Label: Double face</i>				
	<i>Wattage: at least 4 watts</i>				
	<i>Burning Time: at least 90 minutes</i>				
	<i>Material: Aluminum Housing + Glass Panel</i>				
	<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>				
	<i>Battery Type: ni-cd battery</i>				
	<i>Mounting accessories included</i>				
	<i>Dimension: at least 12" x 5" x 2"</i>				
	<i>Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent</i>				
157	LED Illuminated "Running Man" Sign with Right Arrow and word "EXIT" on the left	unit	1	4,500.00	4,500.00
	<i>Design Label: Red font in brushed white background</i>				
	<i>Arrows: Running Man sign with Right arrow and EXIT word on the left</i>				
	<i>Illumination: Bright Red LED, High Brightness LED SMD</i>				
	<i>Label: Double face</i>				
	<i>Wattage: at least 4 watts</i>				
	<i>Burning Time: at least 90 minutes</i>				
	<i>Material: Aluminum Housing + Glass Panel</i>				
	<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>				

	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)				
	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/I: 300±50mv sw: 100 ± 20mv				
	■Aux/USB/SD card				
	■Bass driver :4 inch				
	■Treble driver :2 3/4 inch				
165	Surge Suppressor 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				
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				
	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				
	■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,	tube	10	1,500.00	15,000.00

	Black				
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
	<i>VSU TOLOSA FOB VSU Tolosa campus</i>				
183	CCTV Package with Mobile View	set	1	34,000.00	34,000.00
	<i>What's in the Box:</i>				
	• 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				
	<i>Camera Features:</i>				
	• 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)				
	<i>with after sales service and warranty</i>				
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				
	<i>with after sales service and warranty</i>				
				TOTAL:	3,575,945.14



- Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.
- The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *sixty (60) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
 - Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *22 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.
6. The *Visayas State University* will hold a Pre-Bid Conference on *March 1, 2022; 2:00 PM* at the *PPO Conference Room, Lower Campus, VSU, Visca, Baybay City, Leyte* and/or through video conferencing or webcasting *via Zoom*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom Meeting ID and Passcode.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before *14 March 2022 until 1:30 PM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original, copy 1, and copy 2) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on *14 March 2022; 2:00 PM* at the *PPO Conference Room, Lower Campus, VSU, Visca, Baybay City, Leyte* and/or *via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Zoom Meeting ID and Passcode.

11. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

Ms. Jessamine C. Ecleo (BAC Secretariat)

Office of the Head for Procurement,

VSU-Main, Visca, Baybay City, Leyte

Mobile: 053 565 0600 local 1093 or 0998 555 0106

Email: jessamine.ecleo@vsu.edu.ph

or

Mr. Toni Marc L. Dargantes (BAC Secretariat)

Office of the VP for Planning, Resource Generation & Auxiliary Services

VSU-Main, Visca, Baybay City, Leyte

Mobile: 0977 7186594

Email: tmdargantes@vsu.edu.ph

13. You may visit the following websites:

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

February 21, 2022



DILBERTO O. FERRAREN

Chairperson, VSU BAC

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the *Supply and Delivery of I.T. Equipment and Supplies*, with identification number *GOODS-22-13*.

The Procurement Project (referred to herein as “Project”) is composed of *184 items*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2022 in the amount of *Three Million Five Hundred Seventy-Five Thousand Nine Hundred Forty-Five and 14/100 Pesos (PhP 3,575,945.14)*.

2.2. The source of funding is: NGA, the General Appropriations Act, Special Trust Fund, and Trust Fund.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

- 5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.

- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in: Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *June 2022*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. <i>I.T. Equipment, I.T. Supplies, or a combination of the foregoing</i> b. completed within two (2) years prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted <i>DDP VSU Main, Visca, Baybay City, Leyte and DDP VSU Tolosa, Tanghas, Tolosa, Leyte (for items 183-184)</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <i>Seventy-One Thousand Five Hundred Eighteen and 90/100 Pesos (PhP 71,518.90) or two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>One Hundred Seventy-Eight Thousand Seven Hundred Ninety-Seven and 26/100 Pesos (PhP 178,797.26) or five percent (5%) of ABC</i> if bid security is in Surety Bond.
15	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.
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC).</i>
20.2	In case the PhilGEPS Platinum Certificate of Registration is not available during bid submission, it shall be submitted as a post-qualification requirement, in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184.
21.2	<i>Not Applicable.</i>

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte (for items 1-182) and VSU Tolosa Campus, Tanghas, Tolosa, Leyte (for items 183-184)</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="text-align: center;"><i>Ms. Alicia M. Flores</i> <i>Head, Supply and Property Management Office,</i> <i>VSU-Main, Visca, Baybay City, Leyte</i> <i>Contact #: 053 565 0600 local 1082 / 0917 6341 430</i> <i>Email address: alicia.flores@vsu.edu.ph</i></p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

	<p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested. <p>The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p>

	<p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
2.2	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> <p>Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.</p>

4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU Main and VSU Tolosa to confirm conformity to the contract specifications at no extra cost to VSU.
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Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Unit	Qty	Description	Delivered, Weeks/Months
1	unit	2	1 GBPS SFP Single mode Module	All Items Should Be Delivered Within 60 Calendar Days From Receipt Of Notice To Proceed And Purchase Order
			■1G SFP LC LX 10KM SMF XCVR, must be compatible with ARUBA and HPE Switches	
2	piece	3	1TB, Hard disk Drive, 7200rpm, for desktop	
			■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	pieces	4	ATX Power Supply (500W)	
			■Single 6pin	
			■24pin connector	
			■Dual 4pin for board	
			■4 sata supply	
			■4 molex supply	
4	unit	1	AVR, 500W (IC Controlled)	
			■Single 6pin	
			■24pin connector	
			■Dual 4pin for board	
			■4 sata supply	
			■4 molex supply	
5	pc	1	Battery Charger for 9 Volts Battery	
			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	pieces	50	CD-R, 700MB, with case	
7	pieces	6	Computer HD Webcam	
			■1080P Full HD Webcam	
			■Lens: HD lens	
			■Sensor Type: CMOS	
			■Video Format: AVI	
			■Frame Rate: at least 30FPS	
			■Drive Type: free drive. Plug and play	
			■Photo Format: BMP JPG	
			■Resolution: 1920 * 1080 P	
			■Output Format: M-JPEG	
			■Interface Type: USB2.0	
			■Microphone: Built-in microphone	
			■Focusing Range: 20mm	
8	pcs	2	Computer Keyboard USB	
			■Standard Keyboard with 104 Keys	
			■USB Connection	
			■Low Profile Key Caps	

			☑Minimum Key Noise	
			☑Laser Printing for Key Layout	
			☑Spill Resistant Design	
9	set	2	Computer Monitor 24" , IPS	
			☑Panel Size: Wide Screen 23.8"(60.5cm) 16:9	
			☑Color Saturation : 72%(NTSC)	
			☑Panel Type : In-Plane Switching	
			☑True Resolution : 1920x1080	
			☑Brightness(Max) : 250 cd/m	
			☑Contrast Ratio (Max) : 1000:1	
			☑Response Time : 5ms (Gray to Gray)	
			☑Display Colors : 16.7M	
			☑Flicker free	
10	set	2	Computer Monitor 24" , IPS	
			☑Panel Size: Wide Screen 23.8"(60.5cm) 16:9	
			☑Color Saturation : 72%(NTSC)	
			☑Panel Type : In-Plane Switching	
			☑True Resolution : 1920x1080	
			☑Brightness(Max) : 250 cd/m	
			☑Contrast Ratio (Max) : 1000:1	
			☑Response Time : 5ms (Gray to Gray)	
			☑Display Colors : 16.7M	
			☑Flicker free	
11	unit	1	Computer Printer 3-in-1	
			☑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	unit	10	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	
			☑Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour	
			☑Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles	
			☑Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices	
			☑3-in-1: Print, copy & scan and borderless photo printing	
			☑Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color	
			☑Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology	
			☑Ink Technology: Dye Ink	
			☑Printing Resolution: 5,760 x 1,440 DPI	
13	pieces	1	Cover for keyboard	
14	pc	2	CPU (Central Processing Unit)	
			☑AMD A10-8770 Processor	
			☑Asus Prime Motherboard	
			☑Kingston 4GB DDR4-2555 Memory	
			☑CPU Casing w/ PSU	
			☑256GB SSD	
15	unit	2	Desktop Casing mATX and 700W True Rated Power Supply 80 plus	
			Casing	
			Front Panel with Metal Mesh for the Best	

			Ventilation
			Top Control Panel with 3 * USB + HD Audio for User-friendly
			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	set	2	Desktop Computer (i3)
			■Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz) or higher
			■Motherboard: Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151
			■8GB DDR4 2400 DIMM Desktop Memory
			■SSD: 240GB
			■Keyboard and Mouse Combo
			■Casing with Power Supply
			■Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,
			■Operating System: Genuine Windows 10 Home (OEM)
			■AVR: 500W IC controlled
17	unit	1	Desktop Computer (i5)
			■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: 500GB M.2,
			■Optical Drive: DVD-RW
			■Casing: W/ 700W PSU,
			■Monitor: 23" IPS FHD,
			■Operating System:
			◀Genuine Windows 10 Home (OEM)
			■Keyboard and mouse combo
			■500W IC controlled AVR
			■Stereo speakers
18	unit	11	Desktop Computer (i7)
			■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 250 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
19	unit	1	Desktop Computer (w/o Monitor)
			☑Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz)
			☑Motherboard Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151
			☑Memory: 8GB DDR4 2400 DIMM Desktop Memory
			☑SSD: 240GB
			☑Casing with Power Supply
			☑Operating System: Genuine Windows 10 Home (OEM)
			☑w/ USB Keyboard and Mouse
20	unit	3	Desktop Computer, All-in-one (AIO)
			☑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	unit	4	Desktop Computer, All-In-One (AIO), 21.5" IPS
			☑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 jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1
22	pieces	3	Desktop Microphone
			☐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	unit	1	Dual Monitor Bracket with C-clamp and Grommet Fit
			☐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	btls	18	Epson 003 Ink Bottle for Epson L3150, Black
25	btls	12	Epson 003 Ink Bottle for Epson L3150, CYAN
26	btls	12	Epson 003 Ink Bottle for Epson L3150, MAGENTA
27	btls	12	Epson 003 Ink Bottle for Epson L3150, YELLOW
28	btls	6	EPSON L220 Ink Cartridge Black
29	btls	6	EPSON L220 Ink Cartridge Cyan
30	btls	6	EPSON L220 Ink Cartridge Magenta
31	btls	6	EPSON L220 Ink Cartridge Yellow
32	btls	20	Epson L6160 Black 001
33	btls	15	Epson L6160 Cyan 001
34	btls	15	Epson L6160 Magenta 001
35	btls	15	Epson L6160 Yellow 001
36	unit	4	External Hard Disk Drive (Portable, 1TB), USB 3.1
			☐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	unit	5	External Hard Disk Drive (Portable, 2TB), USB 3.1
			☐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	piece	3	External Hard Disk Drive, (Portable 500GB), USB 3.0

			■Hard Drive Type:2.5" HDD
			■USB Interface: USB 3.0
			■Capacity:500GB
39	pc	10	Fiber Optic Patch Panels
			■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	piece	7	Flash Drive, at least 32GB USB 3.0
41	boxes	60	Genuine Hp laserjet toner 85A (CE285A) black
42	pcs	3	Headset (Wired), Generic Over the Ear with mic
			■Line is equipped with a rotary volume controller, one key Mic mute,
			■Frequency Range:20-20K(Hz)
			■Sensitivity:-52(dB)
			■Impedance:32(Ohm)
			■Speaker Diameter:40(mm)
			■Distortion Rate:0.8%
			■Plug Diameter:3.5mm
43	unit	9	Headset with Noise Cancelling Mic
			■Input Impedance: at least 32 Ohms
			■Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB
			■Sensitivity (microphone): -17 dBV/Pa +/- 4 dB
			■Frequency response (Headset): 20 Hz - 20 KHz
			■Frequency response (Microphone): 100 Hz - 10 KHz
			■Cable Length: at least 7 ft
			■Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter
44	pcs	2	Ink Cartridge, HP680, black
45	pcs	2	Ink Cartridge, HP680, tri color
46	btls	10	Ink continous, refill,Black BT6000BK (Brother DCP T300)
47	btls	10	Ink continous, refill,Black BT6000BK (Brother DCP T310)
48	btls	10	Ink continuous, refill, black (Brother DCP T310)
49	btls	10	Ink continuous, refill, cyan (Brother DCp T310)
50	btls	10	Ink continuous, refill, magenta (Brother DCP T310)
51	btls	15	Ink, Brother BT5000C Cyan
52	btls	15	Ink, Brother BT5000M Magenta
53	btls	15	Ink, Brother BT5000Y Yellow
54	btls	5	Ink, Brother BTD60BK, Black
55	pc	23	Ink, Brother LC-539XL, Black
56	pc	12	Ink, Brother LC-539XL, Cyan
57	pc	12	Ink, Brother LC-539XL, Magenta
58	pc	12	Ink, Brother LC-539XL, Yellow
59	box	4	Ink, Carriage, LC535XL - Cyan, DCP-J100
60	box	4	Ink, Carriage, LC535XL - Magenta, DCP-J100
61	box	4	Ink, Carriage, LC535XL-Yellow, DCP-J100

62	btl	82	Ink, Epson 003,Genuine Black 65mL
63	btl	43	Ink, EPSON 003,Genuine Cyan 65mL
64	btl	42	Ink, EPSON 003,Genuine Magenta 65mL
65	btl	42	Ink, EPSON 003,Genuine Yellow 65mL
66	pieces	15	Ink, Epson, genuine (C) T664, 70 ml
67	pieces	10	Ink, Epson, genuine (M) T664, 70 ml
68	pieces	15	Ink, Epson, genuine, (BK) T664, 70 ml
69	pieces	10	Ink, Epson, genuine, (Y) T664, 70 ml
70	set	3	Keyboard And Mouse Combo Bundle, USB powered
			■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	unit	3	Laptop 14" (i5)
			■Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher
			■Operating system: Windows 10 Home
			■Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)
			■Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC
			■Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM
			■Storage: 512GB PCIe Gen3 x2 SSD
72	unit	1	Laptop, AMD Ryzen 5 4500U, 14" FHD
			■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: 512g SSD M2
			■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	unit	1	Laptop, Intel Core i5 10th Gen , 15.6" FHD
			■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)

			☐SSD: 512GB NVMe M2
			☐Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network); Bluetooth Bluetooth5.0
			☐Operating System: Genuine Windows 10
74	unit	1	Laptop, Intel Core i5 11th Gen, 15.6" FHD
			☐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: 512GB M.2 SSD
			☐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	pcs	6	Laser toner cartridge for hp 107A, Replace w/ W1107a
76	unit	3	LCD Projector, XGA (1024x768)
			☐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	pcs	2	Memory Module DDR4, 16GB (8GB x 2)
			☐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	pcs	1	Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess
			☐One-time purchase for 1 PC or Mac
			☐Classic 2019 versions of Word, Excel, and

			PowerPoint
			☑Microsoft support included for 60 days at no extra cost
			☑Licensed for home use
79	unit	1	Mirrorless Camera, 24MP APS-C
			☑24.1MP APS-C CMOS Sensor
			☑Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor
			☑UHD 4K and HD 720p120 Video Recording
			☑Dual Pixel CMOS AF with Eye Detect AF
			☑2.36m-Dot OLED Electronic Viewfinder
			☑3.0" 1.04m-Dot Vari-Angle Touchscreen
			☑Wi-Fi and Bluetooth; Webcam Capability
			☑Extended ISO 51200, 10 fps Shooting
			☑Combination 5-Axis Image Stabilization
			☑Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens
80	piece	1	Monitor Stand, Dual Articulating, C-Clamp and Grommet Option
			☑Material: Steel
			☑Supported Flat-Panel Screen Sizes: 13" to 32"
			☑Cable clips keep cables organized and protected
			☑Max Load: 8 kg / 17.6lbs
			☑Clamp: 10-88mm (table thickness)
			☑Grommet: 10-75mm (table thickness)
			☑VESA: 75x75,100x100
			☑Tilt Range:+45°~-45°
			☑Swivel Range:+90°~-90°
			☑Screen Rotation:+180°~-180°
			☑Installation: Grommet, Clamp
81	unit	2	Motherboard, Intel B460 Chipset for Intel LGA 1200 Processors
			☑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	pc	2	Mouse, Wired Optical, PS/2
			☑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	pieces	5	Mouse, Wired, Optical, USB
			☑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
84	pc	2	Netbook Laptop
			☐11.6 Inches Screen LED TFT
			☐LCD Display with 1366 x 768 Pixels Resolution, Dual Core-1007U 1.5 Ghz Processor,
			☐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 Battery Life.
85	unit	1	Photocopier with printer & scanner with ADF, 40PPM (monochrome)
			✓ 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	pieces	1	Power Supply, 300 watts, ATX w/ ATX casing
87	unit	2	Processor, Intel Core i7 at least 10th Generation
			☐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	unit	1	Rechargeable Wireless Keyboard and Mouse Set
			☐Rechargeable Office Wireless Keyboard and Mouse Set

			Size: 284*121*16.mm
			Weight: 280g
			Connection method: USB receiver/Bluetooth
89	set	1	Riso Machine, Copy Printer, fully-automatic one-drum stencil system, 300x300 dpi, 60-90 sheets per m
			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	pcs	2	RS PRO 9V Battery Holder
			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	pcs	3	SD Card, 128 GB
			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	pcs	2	SD Card, 64GB
			64GB SD Card
			SDHC UHS-1 Class 10 80MB/s
93	set	2	SD/Micro SD Card Reader Writer USB 2.0 Memory Card Reader OTG Adapter Viewer Micro SD/TF Compact Fla
94	pc	1	Security Stick (USB)
			At least 16GB
			lock for data
			encryption and password protection
			locks down and reformats after 10 failed login attempts
			USB 3.0 interface
95	unit	5	SIP VOIP Phone
			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 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	pcs	2	Solid State Drive, 250GB NVMe PCIe	
			☐Capacity: 250GB	
			☐Interface: PCIe	
			☐Sequential Read Performance: 2400MB/s	
			☐Sequential Write Performance: 950MB/s	

			<ul style="list-style-type: none"> can last up to 1.75M hours MTTF2 (mean time to failure), with up to 600 TBW3 (terabytes written) 	
97	pc	3	Speaker, for PC, 2.1 (Speaker with Subwoofer) <ul style="list-style-type: none"> Power Output : rms 4.5w x 2 sw: 12w Signal to noise ratio : 80dba Frequency Response : 80hz~20khz (±6db) R/I: 300±50mv sw: 100 ± 20mv Aux/USB/SD card Bass driver : 4 inch Treble driver : 2 3/4 inch 	
98	pieces	5	Tablet Computer, 8", 32GB ROM <ul style="list-style-type: none"> 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	unit	2	UPS <ul style="list-style-type: none"> 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	unit	1	UPS, 1000 VA <ul style="list-style-type: none"> 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	piece	1	UPS, at least 500 w <ul style="list-style-type: none"> Recharging Time: at most 4 Hours; 	
102	unit	1	UPS, at least 800 watts <ul style="list-style-type: none"> Recharging Time: at most 4 Hours; 	
103	unit	1	Vertical Type Fiber Splice Box, IP68 Waterproof Optic Splice Enclosure with Accessories for Structur <ul style="list-style-type: none"> Fiber Optic Splice Enclosure Material: PC, Alloy 	

			<ul style="list-style-type: none"> Protection Grade: IP68 Layer Number of Connecting Disc: 1~4 layer Capacity: 24 Core Accessories Included: <ul style="list-style-type: none"> 1 x Fiber Optic Splice Enclosure 1 x U Shape Connector 1 x Mounting Rail 2 x Accessory Package
104	unit	6	Web Camera for PC <ul style="list-style-type: none"> Image sensor: 1 / 2.9 Lens: 3.6mm/75.7 ° Effective pixel: 1932 (H) * 1088 (V) Horizontal resolution: 2MP SNR: > 50dB Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360 Video Frame rate: 25FPS / 30FPS Electronic shutter: Auto Protocol: UVC / UVA Video output: USB video stream Working voltage: DC5V / 160mA ± 6mA Working environment: -20 °C to 60 °C
105	pcs	2	Web Camera up to 4K with Omnidirectional Microphone <ul style="list-style-type: none"> Multiple resolutions: <ul style="list-style-type: none"> 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	pc	2	Canon PIXMA iP2770 Ink, Cartridge Black, Genuine
107	pc	3	Canon PIXMA iP2770 Ink, Cartridge Colored, Genuine
108	piece	3	CCTV IP Camera
			<ul style="list-style-type: none"> 2MP WDR, with Built-in Mic 12v, DC

			■30m IR range,
			■1920x1080 Max. Resolution
			■Dome Type
			■2.8/4mm fixed lens
109	unit	2	DSLR Camera (24.2 MP, APS-C with 18-55mm lens), Brand new
			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 NFC/EF-S 18-55mm f/3.5-5.6 IS STM
110	pack	1	DVD RW Disc
			Type: Storage media - DVD+RW (DVD Re-Writable)
			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	pieces	20	DVD+RW 8x 4.7Gb w/ indiv case
112	pack	1	DVD-R Disc
			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	meters	46	Heavy Duty Microphone Wire
			stereo 3 wires
			coated silver wires
			low noise reduction
114	pcs	10	Ink Cartridge, HP680, black, Genuine
115	pcs	10	Ink Cartridge, HP680, tri color, Genuine
116	piece	2	Power supply, at least 550 watts
			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	unit	6	Printer, Ink Tank, Print Only
			■Printing Technology: On-demand inkjet (Piezoelectric)
			■Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			■Print Direction: Bi-directional printing
			■Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)

			<ul style="list-style-type: none"> Minimum Ink Droplet Size: 3 pl Compact integrated tank design High yield ink bottles Spill-free, error-free refilling Borderless printing up to 4R
118	meters	17	RG6 1694 Digital Coaxial Cable 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 Voltage UL: 300V, RMS Operating Temperature: -22 to 167F / -30 to 75C resistance 75 ohm
119	pieces	10	RJ-45 Modular Connector (AMP)
120	pc	1	Digital Camera (For Underwater) <ul style="list-style-type: none"> 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	pc	1	Anti-virus Software, at least 3 users Anti-malware, anti-ransomware anti-hacking perpetual license
122	pcs	2	Antivirus Software 3 Device, 1+1 Year Licence include VPN (enrolled auto-renewal) <ul style="list-style-type: none"> 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

			<i>malware to prevent damage to your PC/Laptop</i>	
			■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	
123	pieces	2	ATX Power Supply (500W)	
			■Single 6pin	
			■24pin connector	
			■Dual 4pin for board	
			■4 sata supply	
			■4 molex supply	
124	pieces	4	Computer HD Webcam	
			■1080P Full HD Webcam	
			■Lens: HD lens	
			■Sensor Type: CMOS	
			■Video Format: AVI	
			■Frame Rate: at least 30FPS	
			■Drive Type: free drive. Plug and play	
			■Photo Format: BMP JPG	
			■Resolution: 1920 * 1080 P	
			■Output Format: M-JPEG	
125	set	8	Computer Monitor 24", IPS	
			■Panel Size: Wide Screen 23.8"(60.5cm) 16:9	
			■Color Saturation : 72%(NTSC)	
			■Panel Type : In-Plane Switching	
			■True Resolution : 1920x1080	
			■Brightness(Max) : 250 cd/m	
			■Contrast Ratio (Max) : 1000:1	
			■Response Time : 5ms (Gray to Gray)	
			■Display Colors : 16.7M	
			■Flicker free	
126	unit	2	Computer Printer 3-in-1	
			■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	unit	2	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	
			■Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour	
			■Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles	
			■Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices	
			■3-in-1: Print, copy & scan and borderless photo printing	
			■Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color	
			■Minimum Droplet Size: 3 pl, With Variable-	

			<i>Sized Droplet Technology</i>
			■ <i>Ink Technology: Dye Ink</i>
			■ <i>Printing Resolution: 5,760 x 1,440 DPI</i>
128	pieces	1	Desktop Microphone
			■ <i>Compatible with: Desktop/Notebook/PC, Windows 7-10</i>
			■ <i>Pickup: 6mm Condenser Mic</i>
			■ <i>Microphone Directivity: Omnidirectional</i>
			■ <i>Sensitivity: -58db±3db</i>
			■ <i>Signal-to-noise Ratio: ≤50dB</i>
			■ <i>Cable Length: 2.5m</i>
			■ <i>Type: 3.5mm Plug</i>
			<i>Dryer/Sterilizer</i>
			<i>Kills 99% of bacteria</i>
			<i>Upper cabinet: at least 65 degrees celsius heating temperature; suitable for plastic, wood, and glass materials</i>
			<i>Lower cabinet: at least 125 degrees celsius heating temperature; suitable for porcelain, glass, and stainless steel materials</i>
			<i>With ozone disinfection system</i>
			<i>Stops growth of molds</i>
			<i>2 level cabinet</i>
			<i>Capacity: at least 3.1 cu.ft</i>
129	sets	3	Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors
			<i>DURAbrite Ultra Ink</i>
			<i>Max Economy for prints</i>
			<i>Print up to A3+</i>
			<i>Mobile printing with Epson Connect</i>
			<i>For use on WF-7111 / WF-7611 / WF-7211 / WF-7711</i>
			<i>Average page yield for black ink cartridge: 2,200 pages</i>
			<i>Average page yield for colour ink cartridge: 1,100 pages</i>
130	btls	16	Epson L6160 Black 001
131	unit	2	Flatbed Scanner
			■ <i>Scanner Type:</i>
			◀ <i>Flatbed colour image scanner</i>
			■ <i>Scanning Method:</i>
			◀ <i>Fixed document and moving carriage</i>
			■ <i>Optical Resolution:</i>
			◀ <i>4,800 dpi x 4,800 dpi *1</i>
			■ <i>Output Resolution:</i>
			◀ <i>50 dpi to 4800 dpi, 7200 dpi, 9600 dpi (50 dpi to 4800 dpi in 1 dpi increments) *2</i>
			■ <i>Scanner Bit Depth (Colour):</i>
			◀ <i>48-bit input, 24-bit output</i>
			■ <i>Scanner Bit Depth (Grayscale):</i>
			◀ <i>16-bit input, 8-bit output</i>
			■ <i>Scanner Bit Depth (Black & White):</i>
			◀ <i>16-bit input, 1-bit output</i>
			■ <i>Max Document Size:</i>
			◀ <i>Up to 216 x 297mm</i>
132	pc	2	HDMI Extender
			<i>120M HDMI Extender Cascade Connection</i>
			<i>4k Via Cat5e/6</i>

			CAT6 RJ45 Ethernet Lan Network Card Cable
			Transmitter Receiver TX RX W/ IR
133	unit	2	HDMI Splitter (8 Port)
			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
134	pcs	3	Headset (Wired), Generic Over the Ear with mic
			■Line is equipped with a rotary volume controller, one key Mic mute,
			■Frequency Range:20-20K(Hz)
			■Sensitivity:-52(dB)
			■Impedance:32(Ohm)
			■Speaker Diameter:40(mm)
			■Distortion Rate:0.8%
			■Plug Diameter:3.5mm
135	sets	6	Headset, Over Ear, wired
			■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	set	6	Heat Shrink Tube Tubing Sleeve Wrap Wire Cable
			100Pcs/Set
			7 Color Polyolefin Material
137	meters	60	Heavy Duty Microphone Wire
			stereo 3 wires
			coated silver wires
			low noise reduction
138	piece	20	HP Ink Cartridge 678 Black
139	piece	10	HP Ink Cartridge 678 Tricolor
140	pcs	1	HP Laser Jet Ink Cartridge CC364A Laser Jet P4014 printer
141	pc	6	Ink cartridge Cannon Pixma 810 black
142	pcs	12	Ink Cartridge Canon Pixma 811 Color
143	btls	5	Ink continous, refill,Black BT6000BK (Brother DCP T310)
144	box	2	Ink, Black C13T05A100 for Epson Copier ProWF-C878R
145	box	2	Ink, Cyan C13T05A200 Epson Copier ProWF-

			C878R
146	box	2	Ink, Magenta C13T05A300 for Epson Copier ProWF-C878R
147	pack	4	Ink, T05C1, BLACK
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
148	pack	3	Ink, T05C2, Cyan
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
149	pack	3	Ink, T05C3, Magenta
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
150	packs	3	Ink, T05C4, Yellow
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
151	box	2	Ink, Yellow C13T05A400 for Epson Copier ProWF-C878R
152	unit	1	K-3 thermo Scanner with Dispenser and Heavy Duty Stand
153	unit	2	Labelling Printer
			<i>Technology: Thermal Transfer</i>
			<i>Tape Width Capacity: at least 6, 9, 12, 18, 24 mm</i>
			<i>Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof</i>
			<i>Connectivity: USB, Bluetooth</i>
			<i>QR Code Generator: Capable</i>
			<i>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)</i>
			<i>Cutter: Automatic Full Cut Function</i>
			<i>Power: AC or Battery</i>
			<i>Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later</i>
			<i>Inclusions: 5 different sizes of compatible tapes</i>
154	piece	1	Laser Presentation Remote / Wireless Presenter, Black
			▣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	unit	12	LED Illuminated "EXIT" Sign, no arrows
			<i>Design Label: Red font in brushed white</i>

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

			<i>Print Direction: Bi-directional printing, Uni-directional printing</i>	
			<i>Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)</i>	
			<i>Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)</i>	
			<i>USB: USB 2.0</i>	
			<i>Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct</i>	
			<i>Network Protocol: TCP/IPv4, TCP/IPv6</i>	
161	unit	8	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)	
			■ Tank Ink System	
			■ Printer Type: Print, Scan and Copy	
			■ Scanner Type: Flatbed colour image scanner	
			■ Sensor Type: CIS	
			■ Optical Resolution: 600 x 1200 dpi	
			■ Copy Speed: Maximum Copies from Standalone: 20 copies	
			■ Maximum Copy Size: A4, Letter	
			■ ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm	
			■ Max Copy Resolution: 300 x 300 dpi	
			■ Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard	
			■ Output Capacity: Up to 30 sheets	
			■ A4 plain paper: 20 sheets, Premium Glossy Photo Paper	
			■ Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")	
			■ Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)	
			■ Print Direction: Bi-directional printing	
			■ Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)	
			■ Minimum Ink Droplet Size: 3 pl	
162	pieces	15	Ribbon Cartridge EPSON S015639	
			<i>for EPSON LQ-310 printer</i>	
163	pcs	2	Solid State Drive, 120 GB	
			<i>120GB storage capacity</i>	
			<i>Serial ATA Revision 3.0 interface</i>	
			<i>Sequential read speeds up to 520MB/sec.</i>	
			<i>Shock-resistant design</i>	
			<i>Wide-ranging compatibility</i>	
164	pc	6	Speaker, for PC, 2.1 (Speaker with Subwoofer)	
			■ Power Output : rms 4.5w×2 sw: 12w	
			■ Signal to noise ratio : 80dba	
			■ Frequency Response : 80hz~20khz (±6db)	
			■ R/I: 300±50mv sw: 100 ± 20mv	
			■ Aux/USB/SD card	
			■ Bass driver :4 inch	
			■ Treble driver :2 3/4 inch	
165	unit	3	Surge Supressor 6 outlets	
			■ 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
166	pieces	3	Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine
167	pieces	3	Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine
168	pieces	3	Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine
169	pcs	3	Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine
170	unit	3	Universal HDMI to VGA Adapter Cable, at least 1.8 meters
171	pcs	6	UPS Battery, Generic, 17Ah
			Voltage: 12V
			Capacity: 17Ah
			Battery Type: Sealed Lead Acid Maintenance Free
172	pcs	6	UPS Battery, Generic, 7.2Ah
			Voltage: 12V
			Capacity: 7.2Ah
			Battery Type: Sealed Lead Acid Maintenance Free
173	pcs	6	UPS Battery, Generic,12Ah
			Voltage: 12V
			Capacity: 12Ah
			Battery Type: Sealed Lead Acid Maintenance Free
174	unit	1	Video Camera
			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	
175	unit	1	Video Card	
			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	unit	1	VOIP Phone	
			■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,	

			<i>A records</i>
			☐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)
			☐Should be compatible with existing fleet of VSU IP Phones (N.B. VSU existing Fleet is CISCO)
177	pcs	6	Web Camera for Laptop and Desktop
			☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.
			☐With clips for laptops and desktops.
			☐Sensor pixels: 2 million
			☐Interface: USB 2.0
			☐Frame rate: 30 FPS
			☐Image sensor: CMOS
			☐Brightness/color: automatically adjusts
			☐Additional features: built-in microphone
178	btls	1	Ink, Epson Premium Dye Ink, 1 liter, black
179	tube	10	Ink, EPSON T9481 XL for WF-C878R Printer, Black
180	tube	5	Ink, EPSON T9481 XL for WF-C878R Printer, Cyan
181	tube	5	Ink, EPSON T9481 XL for WF-C878R Printer, Magenta
182	tube	5	Ink. EPSON T9481 XL for WF-C878R Printer, Yellow
			<i>VSU TOLOSA FOB VSU Tolosa campus</i>
183	set	1	CCTV Package with Mobile View
			<i>What's in the Box:</i>
			• 1 Unit 8-Channel (DS-7208HGHI-K1) Digital Video Recorder
			• 4 Units Bullet Type Camera (DS-2CE16DOT-IRPF)

			<ul style="list-style-type: none"> • 4 Units Dome Type Camera (DS-2CE56DOT-IRPF) 	
			<ul style="list-style-type: none"> • 8 pcs video & power cable (60Ft) 	
			<ul style="list-style-type: none"> • 1pc all-in-one power adaptor 	
			<ul style="list-style-type: none"> • Mouse 	
			<ul style="list-style-type: none"> • Instruction Manual 	
			Camera Features:	
			<ul style="list-style-type: none"> • 2.0 Megapixel High Performance CMOS 	
			<ul style="list-style-type: none"> • Turbo HD Output 	
			<ul style="list-style-type: none"> • Up to 1080P Resolution 	
			<ul style="list-style-type: none"> • True Day / Night, DNR, Smart IR 	
			<ul style="list-style-type: none"> • Up to 20m Distance 	
			<ul style="list-style-type: none"> • IP66 Weatherproof (bullet camera) 	
			with after sales service and warranty	
184	unit	1	Office Phone	
			<ul style="list-style-type: none"> • Display: 6.4 "Dynamic AMOLED Touchscreen 	
			<ul style="list-style-type: none"> • Resolution: 3040x 1440 pixels 	
			<ul style="list-style-type: none"> • Processor: Snapdragon 855 	
			<ul style="list-style-type: none"> • Storage: 128GB 	
			<ul style="list-style-type: none"> • RAM memory: 8GB 	
			<ul style="list-style-type: none"> • Camera: Triple, 12 MP (f / 1.5 and f / 2.4) 	
			<ul style="list-style-type: none"> • Front Camera: 10 MP (f / 1.9) 	
			<ul style="list-style-type: none"> • Battery: 4001mAh (non-removable) 	
			<ul style="list-style-type: none"> • Operating System: Android 11 	
			with after sales service and warranty	

Section VII. Technical Specifications

Technical Specifications

Item No.	Unit	Qty	Description	Statement of Compliance
1	unit	2	1 GBPS SFP Single mode Module	[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
			■1G SFP LC LX 10KM SMF XCVR, must be compatible with ARUBA and HPE Switches	
2	piece	3	1TB, Hard disk Drive, 7200rpm, for desktop	
			■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	pieces	4	ATX Power Supply (500W)	
			■Single 6pin	
			■24pin connector	
			■Dual 4pin for board	
			■4 sata supply	
			■4 molex supply	
4	unit	1	AVR, 500W (IC Controlled)	
			■Single 6pin	
			■24pin connector	
			■Dual 4pin for board	
			■4 sata supply	
			■4 molex supply	
5	pc	1	Battery Charger for 9 Volts Battery	
			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	pieces	50	CD-R, 700MB, with case	
7	pieces	6	Computer HD Webcam	
			■1080P Full HD Webcam	
			■Lens: HD lens	
			■Sensor Type: CMOS	
			■Video Format: AVI	
			■Frame Rate: at least 30FPS	
			■Drive Type: free drive. Plug and play	
			■Photo Format: BMP JPG	
			■Resolution: 1920 * 1080 P	
			■Output Format: M-JPEG	
			■Interface Type: USB2.0	
			■Microphone: Built-in microphone	
			■Focusing Range: 20mm	
8	pcs	2	Computer Keyboard USB	
			■Standard Keyboard with 104 Keys	
			■USB Connection	
			■Low Profile Key Caps	
			■Minimum Key Noise	
			■Laser Printing for Key Layout	
			■Spill Resistant Design	

9	set	2	Computer Monitor 24" , IPS ■Panel Size: Wide Screen 23.8"(60.5cm) 16:9 ■Color Saturation : 72%(NTSC) ■Panel Type : In-Plane Switching ■True Resolution : 1920x1080 ■Brightness(Max) : 250 cd/m ■Contrast Ratio (Max) : 1000:1 ■Response Time : 5ms (Gray to Gray) ■Display Colors : 16.7M ■Flicker free	
10	set	2	Computer Monitor 24" , IPS ■Panel Size: Wide Screen 23.8"(60.5cm) 16:9 ■Color Saturation : 72%(NTSC) ■Panel Type : In-Plane Switching ■True Resolution : 1920x1080 ■Brightness(Max) : 250 cd/m ■Contrast Ratio (Max) : 1000:1 ■Response Time : 5ms (Gray to Gray) ■Display Colors : 16.7M ■Flicker free	
11	unit	1	Computer Printer 3-in-1 ■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	unit	10	Computer Printer, All-in-One/Multifunction Colored-Ink Tank ■Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour ■Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles ■Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices ■3-in-1: Print, copy & scan and borderless photo printing ■Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color ■Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology ■Ink Technology: Dye Ink ■Printing Resolution: 5,760 x 1,440 DPI	
13	pieces	1	Cover for keyboard	
14	pc	2	CPU (Central Processing Unit) ■AMD A10-8770 Processor ■Asus Prime Motherboard ■Kingston 4GB DDR4-2555 Memory ■CPU Casing w/ PSU ■256GB SSD	
15	unit	2	Desktop Casing mATX and 700W True Rated Power Supply 80 plus Casing Front Panel with Metal Mesh for the Best Ventilation Top Control Panel with 3 * USB + HD Audio for User-friendly	

			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	set	2	Desktop Computer (i3)
			■Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz) or higher
			■Motherboard: Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151
			■8GB DDR4 2400 DIMM Desktop Memory
			■SSD: 240GB
			■Keyboard and Mouse Combo
			■Casing with Power Supply
			■Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,
			■Operating System: Genuine Windows 10 Home (OEM)
			■AVR: 500W IC controlled
17	unit	1	Desktop Computer (i5)
			■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: 500GB M.2,
			■Optical Drive: DVD-RW
			■Casing: W/ 700W PSU,
			■Monitor: 23" IPS FHD,
			■Operating System:
			◀Genuine Windows 10 Home (OEM)
			■Keyboard and mouse combo
			■500W IC controlled AVR
			■Stereo speakers
18	unit	11	Desktop Computer (i7)
			■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 250 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	
19	unit	1	Desktop Computer (w/o Monitor)	
			☐Processor: Intel Core i3-9100 Processor (9M Cache, up to 4.10 GHz)	
			☐Motherboard Intel H310 Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151	
			☐Memory: 8GB DDR4 2400 DIMM Desktop Memory	
			☐SSD: 240GB	
			☐Casing with Power Supply	
			☐Operating System: Genuine Windows 10 Home (OEM)	
			☐w/ USB Keyboard and Mouse	
20	unit	3	Desktop Computer, All-in-one (AIO)	
			☐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	unit	4	Desktop Computer, All-In-One (AIO), 21.5" IPS	
			☐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	

			jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1
22	pieces	3	Desktop Microphone
			☐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	unit	1	Dual Monitor Bracket with C-clamp and Grommet Fit
			☐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	btls	18	Epson 003 Ink Bottle for Epson L3150, Black
25	btls	12	Epson 003 Ink Bottle for Epson L3150, CYAN
26	btls	12	Epson 003 Ink Bottle for Epson L3150, MAGENTA
27	btls	12	Epson 003 Ink Bottle for Epson L3150, YELLOW
28	btls	6	EPSON L220 Ink Cartridge Black
29	btls	6	EPSON L220 Ink Cartridge Cyan
30	btls	6	EPSON L220 Ink Cartridge Magenta
31	btls	6	EPSON L220 Ink Cartridge Yellow
32	btls	20	Epson L6160 Black 001
33	btls	15	Epson L6160 Cyan 001
34	btls	15	Epson L6160 Magenta 001
35	btls	15	Epson L6160 Yellow 001
36	unit	4	External Hard Disk Drive (Portable, 1TB), USB 3.1
			☐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	unit	5	External Hard Disk Drive (Portable, 2TB), USB 3.1
			☐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	piece	3	External Hard Disk Drive, (Portable 500GB), USB 3.0
			☐Hard Drive Type:2.5" HDD
			☐USB Interface: USB 3.0
			☐Capacity:500GB

39	pc	10	Fiber Optic Patch Panels
			■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	piece	7	Flash Drive, at least 32GB USB 3.0
41	boxes	60	Genuine Hp laserjet toner 85A (CE285A) black
42	pcs	3	Headset (Wired), Generic Over the Ear with mic
			■Line is equipped with a rotary volume controller, one key Mic mute,
			■Frequency Range:20-20K(Hz)
			■Sensitivity:-52(dB)
			■Impedance:32(Ohm)
			■Speaker Diameter:40(mm)
			■Distortion Rate:0.8%
			■Plug Diameter:3.5mm
43	unit	9	Headset with Noise Cancelling Mic
			■Input Impedance: at least 32 Ohms
			■Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB
			■Sensitivity (microphone): -17 dBV/Pa +/- 4 dB
			■Frequency response (Headset): 20 Hz - 20 KHz
			■Frequency response (Microphone): 100 Hz - 10 KHz
			■Cable Length: at least 7 ft
			■Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter
44	pcs	2	Ink Cartridge, HP680, black
45	pcs	2	Ink Cartridge, HP680, tri color
46	btls	10	Ink continous, refill,Black BT6000BK (Brother DCP T300)
47	btls	10	Ink continous, refill,Black BT6000BK (Brother DCP T310)
48	btls	10	Ink continuous, refill, black (Brother DCP T310)
49	btls	10	Ink continuous, refill, cyan (Brother DCp T310)
50	btls	10	Ink continuous, refill, magenta (Brother DCP T310)
51	btls	15	Ink, Brother BT5000C Cyan
52	btls	15	Ink, Brother BT5000M Magenta
53	btls	15	Ink, Brother BT5000Y Yellow
54	btls	5	Ink, Brother BTD60BK, Black
55	pc	23	Ink, Brother LC-539XL, Black
56	pc	12	Ink, Brother LC-539XL, Cyan
57	pc	12	Ink, Brother LC-539XL, Magenta
58	pc	12	Ink, Brother LC-539XL, Yellow
59	box	4	Ink, Carriage, LC535XL - Cyan, DCP-J100
60	box	4	Ink, Carriage, LC535XL - Magenta, DCP-J100
61	box	4	Ink, Carriage, LC535XL-Yellow, DCP-J100
62	btl	82	Ink, Epson 003,Genuine Black 65mL
63	btl	43	Ink, EPSON 003,Genuine Cyan 65mL
64	btl	42	Ink, EPSON 003,Genuine Magenta 65mL

65	btl	42	Ink, EPSON 003,Genuine Yellow 65mL
66	pieces	15	Ink, Epson, genuine (C) T664, 70 ml
67	pieces	10	Ink, Epson, genuine (M) T664, 70 ml
68	pieces	15	Ink, Epson, genuine, (BK) T664, 70 ml
69	pieces	10	Ink, Epson, genuine, (Y) T664, 70 ml
70	set	3	Keyboard And Mouse Combo Bundle, USB powered
			■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	unit	3	Laptop 14" (i5)
			■Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher
			■Operating system: Windows 10 Home
			■Memory: 4GB Onboard memory, 1 x SO-DIMM socket (for expansion)
			■Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC
			■Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM
			■Storage: 512GB PCIe Gen3 x2 SSD
72	unit	1	Laptop, AMD Ryzen 5 4500U, 14" FHD
			■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: 512g SSD M2
			■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	unit	1	Laptop, Intel Core i5 10th Gen , 15.6" FHD
			■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)
			■SSD: 512GB NVME M2
			■Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network);

			Bluetooth Bluetooth5.0
74	unit	1	Operating System: Genuine Windows 10 Laptop, Intel Core i5 11th Gen, 15.6" FHD 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: 512GB M.2 SSD 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	pcs	6	Laser toner cartridge for hp 107A, Replace w/ W1107a
76	unit	3	LCD Projector, XGA (1024x768) 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	pcs	2	Memory Module DDR4, 16GB (8GB x 2) 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	pcs	1	Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess One-time purchase for 1 PC or Mac Classic 2019 versions of Word, Excel, and PowerPoint Microsoft support included for 60 days at no extra cost

			<ul style="list-style-type: none"> ☑Licensed for home use 	
79	unit	1	Mirrorless Camera, 24MP APS-C <ul style="list-style-type: none"> ☑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	piece	1	Monitor Stand, Dual Articulating, C-Clamp and Grommet Option <ul style="list-style-type: none"> ☑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	unit	2	Motherboard, Intel B460 Chipset for Intel LGA 1200 Processors <ul style="list-style-type: none"> ☑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	pc	2	Mouse, Wired Optical, PS/2 <ul style="list-style-type: none"> ☑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	pieces	5	Mouse, Wired, Optical, USB <ul style="list-style-type: none"> ☑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
84	pc	2	Netbook Laptop
			☐11.6 Inches Screen LED TFT
			☐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 Battrry Life.
85	unit	1	Photocopier with printer & scanner with ADF, 40PPM (monochrome)
			✓ 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	pieces	1	Power Supply, 300 watts, ATX w/ ATX casing
87	unit	2	Processor, Intel Core i7 at least10th Generation
			☐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	unit	1	Rechargeable Wireless Keyboard and Mouse Set
			☐Rechargeable Office Wireless Keyboard and Mouse Set
			☐Size: 284*121*16.mm
			☐Weight: 280g
			☐Connection method: USB receiver/Bluetooth

89	set	1	Riso Machine, Copy Printer, fully-automatic one-drum stencil system, 300x300 dpi, 60-90 sheets per m	
			<i>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</i>	
90	pcs	2	RS PRO 9V Battery Holder	
			▣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	pcs	3	SD Card, 128 GB	
			▣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	pcs	2	SD Card, 64GB	
			▣64GB SD Card	
			▣SDHC UHS-1 Class 10 80MB/s	
93	set	2	SD/Micro SD Card Reader Writer USB 2.0 Memory Card Reader OTG Adapter Viewer Micro SD/TF Compact Fla	
94	pc	1	Security Stick (USB)	
			▣At least 16GB	
			▣lock for data	
			▣encryption and password protection	
			▣locks down and reformats after 10 failed login attempts	
			▣USB 3.0 interface	
95	unit	5	SIP VOIP Phone	
			▣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 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	pcs	2	Solid State Drive, 250GB NVMe PCIe	
			■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 written)	

97	pc	3	Speaker, for PC, 2.1 (Speaker with Subwoofer)
			☐Power Output : rms 4.5w x2 sw: 12w
			☐Signal to noise ratio : 80dba
			☐Frequency Response : 80hz~20khz (±6db)
			☐R/I: 300±50mv sw: 100 ± 20mv
			☐Aux/USB/SD card
			☐Bass driver :4 inch
			☐Treble driver :2 3/4 inch
98	pieces	5	Tablet Computer, 8", 32GB ROM
			☐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	unit	2	UPS
			☐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	unit	1	UPS, 1000 VA
			☐1000VA/600W capacity
			☐Frequency Range: 60 Hz
			☐Freq. Range (Batt. Mode): 60 Hz ± 1 Hz
			☐Transfer Time: Typical 4-8 ms
			☐Waveform (Batt. Mode): Simulated Sine Wave
			☐Back-up Runtime: 10-15 mins
			☐Voltage: 220 VAC
			☐Voltage Range: 162-270 VAC
101	piece	1	UPS, at least 500 w
			Recharging Time: at most 4 Hours;
102	unit	1	UPS, at least 800 watts
			Recharging Time: at most 4 Hours;
103	unit	1	Vertical Type Fiber Splice Box, IP68 Waterproof Optic Splice Enclosure with Accessories for Structur
			☐Fiber Optic Splice Enclosure
			☐Material: PC, Alloy
			☐Protection Grade: IP68
			☐Layer Number of Connecting Disc: 1~4 layer
			☐Capacity: 24 Core

			<ul style="list-style-type: none"> Accessories Included: 1 x Fiber Optic Splice Enclosure 1 x U Shape Connector 1 x Mounting Rail 2 x Accessory Package
104	unit	6	Web Camera for PC <ul style="list-style-type: none"> Image sensor: 1 / 2.9 Lens: 3.6mm/75.7 ° Effective pixel: 1932 (H) * 1088 (V) Horizontal resolution: 2MP SNR: > 50dB Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360 Video Frame rate: 25FPS / 30FPS Electronic shutter: Auto Protocol: UVC / UVA Video output: USB video stream Working voltage: DC5V / 160mA ± 6mA Working environment: -20 °C to 60 °C
105	pcs	2	Web Camera up to 4K with Omnidirectional Microphone <ul style="list-style-type: none"> Multiple resolutions: <ul style="list-style-type: none"> 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	pc	2	Canon PIXMA iP2770 Ink, Cartridge Black, Genuine
107	pc	3	Canon PIXMA iP2770 Ink, Cartridge Colored, Genuine
108	piece	3	CCTV IP Camera <ul style="list-style-type: none"> 2MP WDR, with Built-in Mic 12v, DC 30m IR range, 1920x1080 Max. Resolution Dome Type

			■2.8/4mm fixed lens
109	unit	2	DSLR Camera (24.2 MP, APS-C with 18-55mm lens), Brand new
			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 NFC/EF-S 18-55mm f/3.5-5.6 IS STM
110	pack	1	DVD RW Disc
			Type: Storage media - DVD+RW (DVD Re-Writable)
			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	pieces	20	DVD+RW 8x 4.7Gb w/ indiv case
112	pack	1	DVD-R Disc
			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	meters	46	Heavy Duty Microphone Wire
			stereo 3 wires
			coated silver wires
			low noise reduction
114	pcs	10	Ink Cartridge, HP680, black, Genuine
115	pcs	10	Ink Cartridge, HP680, tri color, Genuine
116	piece	2	Power supply, at least 550 watts
			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	unit	6	Printer, Ink Tank, Print Only
			■Printing Technology: On-demand inkjet (Piezoelectric)
			■Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			■Print Direction: Bi-directional printing
			■Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			■Minimum Ink Droplet Size: 3 pl
			■Compact integrated tank design
			■High yield ink bottles

			<ul style="list-style-type: none"> Spill-free, error-free refilling Borderless printing up to 4R
118	meters	17	RG6 1694 Digital Coaxial Cable <i>Inductance (uH/1' [0.3 m]) 0.106</i> <i>Capacitance (pF/1' [0.3 m]) 16.2</i> <i>bare Copper Conductor</i> <i>gas-Injected Foam HDPE Insulation</i> <i>Duofoil Tinned- Copper Braided Shield</i> <i>18 AWG</i> <i>Operating Voltage UL: 300V, RMS</i> <i>Operating Temperature: -22 to 167F / -30 to 75C</i> <i>resistance 75 ohm</i>
119	pieces	10	RJ-45 Modular Connector (AMP)
120	pc	1	Digital Camera (For Underwater) <ul style="list-style-type: none"> 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	pc	1	Anti-virus Software, at least 3 users <ul style="list-style-type: none"> Anti-malware, anti-ransomware anti-hacking perpetual license
122	pcs	2	Antivirus Software 3 Device, 1+1 Year Licence include VPN (enrolled auto-renewal) <ul style="list-style-type: none"> 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

			<i>Intelligence technology have you covered</i>	
			☑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	pieces	2	ATX Power Supply (500W)	
			☑Single 6pin	
			☑24pin connector	
			☑Dual 4pin for board	
			☑4 sata supply	
			☑4 molex supply	
124	pieces	4	Computer HD Webcam	
			☑1080P Full HD Webcam	
			☑Lens: HD lens	
			☑Sensor Type: CMOS	
			☑Video Format: AVI	
			☑Frame Rate: at least 30FPS	
			☑Drive Type: free drive. Plug and play	
			☑Photo Format: BMP JPG	
			☑Resolution: 1920 * 1080 P	
			☑Output Format: M-JPEG	
125	set	8	Computer Monitor 24", IPS	
			☑Panel Size: Wide Screen 23.8"(60.5cm) 16:9	
			☑Color Saturation : 72%(NTSC)	
			☑Panel Type : In-Plane Switching	
			☑True Resolution : 1920x1080	
			☑Brightness(Max) : 250 cd/m	
			☑Contrast Ratio (Max) : 1000:1	
			☑Response Time : 5ms (Gray to Gray)	
			☑Display Colors : 16.7M	
			☑Flicker free	
126	unit	2	Computer Printer 3-in-1	
			☑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	unit	2	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	
			☑Ultra-low-cost printing: Print up to 8,100 pages in black and 6,500 in colour	
			☑Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles	
			☑Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices	
			☑3-in-1: Print, copy & scan and borderless photo printing	
			☑Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color	
			☑Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology	
			☑Ink Technology: Dye Ink	
			☑Printing Resolution: 5,760 x 1,440 DPI	

128	pieces	1	Desktop Microphone
			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
			Kills 99% of bacteria
			Upper cabinet: at least 65 degrees celsius heating temperature; suitable for plastic, wood, and glass materials
			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
129	sets	3	Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors
			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	btls	16	Epson L6160 Black 001
131	unit	2	Flatbed Scanner
			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	pc	2	HDMI Extender
			120M HDMI Extender Cascade Connection
			4k Via Cat5e/6
			CAT6 RJ45 Ethernet Lan Network Card Cable
			Transmitter Receiver TX RX W/ IR
133	unit	2	HDMI Splitter (8 Port)

			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
134	pcs	3	Headset (Wired), Generic Over the Ear with mic
			☐Line is equipped with a rotary volume controller, one key Mic mute,
			☐Frequency Range:20-20K(Hz)
			☐Sensitivity:-52(dB)
			☐Impedance:32(Ohm)
			☐Speaker Diameter:40(mm)
			☐Distortion Rate:0.8%
			☐Plug Diameter:3.5mm
135	sets	6	Headset, Over Ear, wired
			☐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	set	6	Heat Shrink Tube Tubing Sleeve Wrap Wire Cable
			100Pcs/Set
			7 Color Polyolefin Material
137	meters	60	Heavy Duty Microphone Wire
			stereo 3 wires
			coated silver wires
			low noise reduction
138	piece	20	HP Ink Cartridge 678 Black
139	piece	10	HP Ink Cartridge 678 Tricolor
140	pcs	1	HP Laser Jet Ink Cartridge CC364A Laser Jet P4014 printer
141	pc	6	Ink cartridge Cannon Pixma 810 black
142	pcs	12	Ink Cartridge Canon Pixma 811 Color
143	btls	5	Ink continous, refill,Black BT6000BK (Brother DCP T310)
144	box	2	Ink, Black C13T05A100 for Epson Copier ProWF-C878R
145	box	2	Ink, Cyan C13T05A200 Epson Copier ProWF-C878R
146	box	2	Ink, Magenta C13T05A300 for Epson Copier ProWF-C878R

147	pack	4	Ink, T05C1, BLACK (for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)
148	pack	3	Ink, T05C2, Cyan (for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)
149	pack	3	Ink, T05C3, Magenta (for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)
150	packs	3	Ink, T05C4, Yellow (for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)
151	box	2	Ink, Yellow C13T05A400 for Epson Copier ProWF-C878R
152	unit	1	K-3 thermo Scanner with Dispenser and Heavy Duty Stand
153	unit	2	Labelling Printer <i>Technology: Thermal Transfer</i> <i>Tape Width Capacity: at least 6, 9, 12, 18, 24 mm</i> <i>Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof</i> <i>Connectivity: USB, Bluetooth</i> <i>QR Code Generator: Capable</i> <i>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)</i> <i>Cutter: Automatic Full Cut Function</i> <i>Power: AC or Battery</i> <i>Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later</i> <i>Inclusions: 5 different sizes of compatible tapes</i>
154	piece	1	Laser Presentation Remote / Wireless Presenter, Black ■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	unit	12	LED Illuminated "EXIT" Sign, no arrows <i>Design Label: Red font in brushed white background</i> <i>Illumination: Bright Red LED, High Brightness LED SMD</i>

			<i>Label: Single face</i>
			<i>Wattage: at least 4 watts</i>
			<i>Burning Time: at least 90 minutes</i>
			<i>Material: Aluminum Housing + Glass Panel</i>
			<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>
			<i>Battery Type: ni-cd battery</i>
			<i>Mounting accessories included</i>
			<i>Dimension: at least 12" x 8" x 2"</i>
			<i>Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent</i>
156	unit	6	LED Illuminated "Running Man" Sign with Left & Right Arrows and word "EXIT" below
			<i>Design Label: Red font in brushed white background</i>
			<i>Running Man with Left and Right arrows and word "EXIT" below</i>
			<i>Illumination: Bright Red LED, High Brightness LED SMD</i>
			<i>Label: Double face</i>
			<i>Wattage: at least 4 watts</i>
			<i>Burning Time: at least 90 minutes</i>
			<i>Material: Aluminum Housing + Glass Panel</i>
			<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>
			<i>Battery Type: ni-cd battery</i>
			<i>Mounting accessories included</i>
			<i>Dimension: at least 12" x 5" x 2"</i>
			<i>Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent</i>
157	unit	1	LED Illuminated "Running Man" Sign with Right Arrow and word "EXIT" on the left
			<i>Design Label: Red font in brushed white background</i>
			<i>Arrows: Running Man sign with Right arrow and EXIT word on the left</i>
			<i>Illumination: Bright Red LED, High Brightness LED SMD</i>
			<i>Label: Double face</i>
			<i>Wattage: at least 4 watts</i>
			<i>Burning Time: at least 90 minutes</i>
			<i>Material: Aluminum Housing + Glass Panel</i>
			<i>Input Voltage: AC 220V – 240V 50/60 Hz</i>
			<i>Battery Type: ni-cd battery</i>
			<i>Mounting accessories included</i>
			<i>Dimension: at least 12" x 5" x 2"</i>
			<i>Compliance: UL 924, NEC and NFPA 101 Life Safety Code or equivalent</i>
158	pc	2	Memory, DDR4 (16GB)
			■2x8GB 2400Mhz DDR4
			■Non-ECC CL15 DIMM
			■Desktop Memory RAM with heat spreaders
159	pieces	2	Power Supply, 300 watts, ATX w/ ATXcasing
160	unit	2	Printer, computer, continuous ink system, 3-in-1 (Print, Scan, Xerox copy, wifi)
			<i>Print Method: On-demand ink jet (piezoelectric)</i>
			<i>Minimum Ink Droplet Volume:3 pl</i>
			<i>Print Direction: Bi-directional printing, Uni-directional printing</i>
			<i>Nozzle Configuration: 180 nozzles Black, 59</i>

			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
161	unit	8	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)
			■Tank Ink System
			■Printer Type: Print, Scan and Copy
			■Scanner Type: Flatbed colour image scanner
			■Sensor Type: CIS
			■Optical Resolution: 600 x 1200 dpi
			■Copy Speed: Maximum Copies from Standalone: 20 copies
			■Maximum Copy Size: A4, Letter
			■ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm
			■Max Copy Resolution: 300 x 300 dpi
			■Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard
			■Output Capacity: Up to 30 sheets
			■A4 plain paper: 20 sheets, Premium Glossy Photo Paper
			■Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")
			■Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			■Print Direction: Bi-directional printing
			■Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			■Minimum Ink Droplet Size: 3 pl
162	pieces	15	Ribbon Cartridge EPSON S015639
			for EPSON LQ-310 printer
163	pcs	2	Solid State Drive, 120 GB
			120GB storage capacity
			Serial ATA Revision 3.0 interface
			Sequential read speeds up to 520MB/sec.
			Shock-resistant design
			Wide-ranging compatibility
164	pc	6	Speaker, for PC, 2.1 (Speaker with Subwoofer)
			■Power Output : rms 4.5w×2 sw: 12w
			■Signal to noise ratio : 80dba
			■Frequency Response : 80hz~20khz (±6db)
			■R/I: 300±50mv sw: 100 ± 20mv
			■Aux/USB/SD card
			■Bass driver :4 inch
			■Treble driver :2 3/4 inch
165	unit	3	Surge Suppressor 6 outlets
			■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	
166	pieces	3	Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine	
167	pieces	3	Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine	
168	pieces	3	Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner) machine	
169	pcs	3	Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine	
170	unit	3	Universal HDMI to VGA Adapter Cable, at least 1.8 meters	
171	pcs	6	UPS Battery, Generic, 17Ah	
			Voltage: 12V	
			Capacity: 17Ah	
			Battery Type: Sealed Lead Acid Maintenance Free	
172	pcs	6	UPS Battery, Generic, 7.2Ah	
			Voltage: 12V	
			Capacity: 7.2Ah	
			Battery Type: Sealed Lead Acid Maintenance Free	
173	pcs	6	UPS Battery, Generic, 12Ah	
			Voltage: 12V	
			Capacity: 12Ah	
			Battery Type: Sealed Lead Acid Maintenance Free	
174	unit	1	Video Camera	
			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	

			<i>format ver. 2.0 compatible: MPEG4-AVC/H.264, MP4: MPEG-4 AVC/H.264, XAVC S format MPEG4-AVC/H264</i>	
			<i>INCLUSIONS: Storage media card, battery, connection chords</i>	
175	unit	1	Video Card	
			<i>CUDA Cores at least 768</i>	
			<i>Core Speed: at least 1290 MHz</i>	
			<i>Boost Speed: at least 1392 MHz</i>	
			<i>Memory Size: at least 4GB GDDR5</i>	
			<i>Memory Interface: at least 128-bit</i>	
			<i>Memory Frequency: at least 7 Gbps</i>	
			<i>TDP: at least 75 Watts</i>	
			<i>Multi-Screen Support: Yes</i>	
			<i>Resolution: 7680X4320 @60hz Digital</i>	
			<i>Bus Type: PCI Express 3.0 16x</i>	
176	unit	1	VOIP Phone	
			<i>■1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty</i>	
			<i>■IPv4 (RFC 791) Integrated web server provides web-based administration and configuration</i>	
			<i>■Telephone keypad configuration via display menu/navigation</i>	
			<i>■Automated provisioning and upgrade via HTTPS, HTTP, TFTP</i>	
			<i>■Asynchronous notification of upgrade availability via NOTIFY</i>	
			<i>■Nonintrusive in-service upgrades</i>	
			<i>■Report generation and event logging</i>	
			<i>■Statistics transmitted in BYE message</i>	
			<i>■Syslog and debug server records: configurable per line</i>	
			<i>■Address Resolution Protocol (ARP)</i>	
			<i>■DNS: A record (RFC 1706), SRV record (RFC 2782)</i>	
			<i>■Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)</i>	
			<i>■Internet Control Message Protocol (ICMP) (RFC 792)</i>	
			<i>■TCP (RFC 793)</i>	
			<i>■User Datagram Protocol (UDP) (RFC 768)</i>	
			<i>■Real-Time Transport Protocol (RTP) (RFC 1889, 1890)</i>	
			<i>■Real-Time Control Protocol (RTCP) (RFC 1889)</i>	
			<i>■Differentiated Services (DiffServ) (RFC 2475)</i>	
			<i>■Type of service (ToS) (RFC 791, 1349)</i>	
			<i>■VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)</i>	
			<i>■Simple Network Time Protocol (SNTP) (RFC 2030) SIP version 2 (RFC 3261, 3262, 3263, 3264)</i>	
			<i>■SPCP with the Cisco Unified Communications 500 Series</i>	
			<i>■SIP proxy redundancy: dynamic via DNS SRV, A records</i>	
			<i>■Reregistration with primary SIP proxy server</i>	
			<i>■SIP support in NAT networks (including</i>	

			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)
			☐Should be compatible with existing fleet of VSU IP Phones (N.B. VSU existing Fleet is CISCO)
177	pcs	6	Web Camera for Laptop and Desktop
			☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.
			☐With clips for laptops and desktops.
			☐Sensor pixels: 2 million
			☐Interface: USB 2.0
			☐Frame rate: 30 FPS
			☐Image sensor: CMOS
			☐Brightness/color: automatically adjusts
			☐Additional features: built-in microphone
178	btls	1	Ink, Epson Premium Dye Ink, 1 liter, black
179	tube	10	Ink, EPSON T9481 XL for WF-C878R Printer, Black
180	tube	5	Ink, EPSON T9481 XL for WF-C878R Printer, Cyan
181	tube	5	Ink, EPSON T9481 XL for WF-C878R Printer, Magenta
182	tube	5	Ink. EPSON T9481 XL for WF-C878R Printer, Yellow
			<i>VSU TOLOSA FOB VSU Tolosa campus</i>
183	set	1	CCTV Package with Mobile View
			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	
			• 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	
184	unit	1	Office Phone	
			• 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	



Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Note: If the bidder submits item (a), bidder may not submit requirements (b), (c) & (d).

Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least One Million Seven Hundred Eighty-Seven Thousand Nine Hundred Seventy-Two and 57/100 Pesos (PhP 1,787,972.57)*;
or
Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC or at least One Million Seven Hundred Eighty-Seven Thousand Nine Hundred Seventy-Two and 57/100 Pesos (PhP 1,787,972.57)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least Eight Hundred Ninety-Three Thousand Nine Hundred Eighty-Six and 29/100 Pesos (PhP 893,986.29)*; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications; **and**
- ☐ (j) Schedule of Requirements/production and delivery schedule; **and**
- ☐ (k) Manpower requirements; **and**
- ☐ (l) After-sales service/parts; **and**

- ☐ (m) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (n) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (o) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 3,575,945.14**);
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 357,595.00**).

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

Guidelines on the Preparation of Electronic Bid (e-Bid)
(for bidders who prefer electronic bid submission)

1. 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. 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 (March 14, 2022; 1:30 PM).



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