



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery I.T. Equipment and Supplies (VSU-GOODS-24-32)

Government of the Republic of the Philippines

**April 16, 2024; 9:00 AM
BAC Conference Room, VSU Market, Visca, Baybay City, Leyte
and via Zoom**

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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.



VISAYAS
STATE UNIVERSITY

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, and TF 2024* intends to apply the sum of *Four Million Three Hundred Eighty One Thousand Two Hundred Ninety Nine Pesos (PhP 4,381,299.00)* being the ABC to payments under the contract for *Supply and Delivery of I.T. Equipment and Supplies (VSU-GOODS-24-32)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *GF, STF, and TF 2024* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item #	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	1000W Automatic Voltage Regulator	pc	5	5,500.00	27,500.00
	<i>1000W, Servo motor type, 2-universal outlets (220V), 1-universal outlet (110V).</i>				
2	2.5" Internal Solid State Drive (SSD)	pc	20	5,000.00	100,000.00
	<i>Specifications:</i>				
	<i>at least 500 GB, SATA III, sequential read speed up to 560 MB/s, sequential write speed up to 530 MB/s</i>				
3	24-inch Desktop Monitor	pc	5	9,000.00	45,000.00
	<i>23.8" Full HD (1920x1080), 100 Hz, IPS, VESA-wall mountable, low blue light filter, and flicker-free technology</i>				
	<i>Accessories: power cable, HDMI cable.</i>				
4	3D PRINTER	set	1	50,000.00	50,000.00
	<i>Technical Specifications:</i>				
	<i>●Extrusion Tech: Independent Dual Direct Drive Metal Extruder (IDEX)</i>				
	<i>●Build Size: 300mm x 300mm x 400mm</i>				
	<i>●Build Plate Size: 310mm*320mm</i>				
	<i>●Printer Size: 653mm*625mm*803mm (Including the filament holder)</i>				
	<i>●Package Size: 730mm*710mm*310mm</i>				
	<i>●Net Weight: 15kg ●Printing Accuracy: ±0.1mm</i>				
	<i>●Positioning Accuracy: X/Y: 0.012mm, Z: 0.001mm</i>				
	<i>●Supported Print Materials: PLA, TPU, TPE, HIPS, ABS, PETG, WOOD, PC, PA, PVA, ASA</i>				
	<i>●Print Speed: 20~120mm/s (suggested 60mm/s)</i>				
	<i>●Stock Nozzle Diameter: 0.4 mm</i>				
	<i>●Operational Extruder Temperature: Max 260°C</i>				
	<i>●Operational Hotbed Temperature: Max 100°C</i>				
	<i>●Input Formats: STL, OBJ, DAE, AMF</i>				
	<i>●Ambient Operating Temperature: 8°C-40°C</i>				
	<i>●Connectivity: SD Card or Data Cable</i>				



	●7 Step Motors: 42-40 Step Motor*1, 42-34 Step Motor*4, 42-29 Step Motor*2				
5	3-in-1 Printer	pc	1	11,000.00	11,000.00
	<i>Power Consumption: 13 Watt, 3.8 Watt (Standby)</i>				
	<i>Product dimensions: 482 x 300 x 145 mm (Width x Height x Depth)</i>				
	<i>Colour: Black</i>				
	<i>Printer Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64</i>				
	<i>Scanner Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64</i>				
	<i>Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64</i>				
	<i>Print Speed (Black & White): 9 pages/minute</i>				
	<i>Print Speed (Colour): 4 pages/minute</i>				
	<i>Number of Cartridges: 4</i>				
	<i>Built-in Scanner: Available</i>				
	<i>A4: Available</i>				
	<i>Letter: Available</i>				
	<i>A5: Available</i>				
	<i>USB Port: Available</i>				
6	5000W Automatic Voltage Regulator	pc	3	9,500.00	28,500.00
	<i>5000W, 220V, Servo motor type;</i>				
7	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF	unit	1	24,500.00	24,500.00
	<input checked="" type="checkbox"/> <i>Compact integrated tank design</i>				
	<input checked="" type="checkbox"/> <i>Print speeds up to 15ipm for black and 8.0ipm for colour</i>				
	<input checked="" type="checkbox"/> <i>Auto-duplex printing Fax and ADF capability / Ethernet &</i>				
	<input checked="" type="checkbox"/> <i>Wi-Fi Direct</i>				
	<input checked="" type="checkbox"/> <i>Borderless Printing up to A4 size</i>				
	<input checked="" type="checkbox"/> <i>Spill-free ink refilling</i>				
	<input checked="" type="checkbox"/> <i>Control Panel: 2.4 " Colour LCD Touch Panel</i>				
8	All-in-One Ink Tank Printer with ADF	pc	2	15,500.00	31,000.00
9	Automatic Voltage Regulatory (AVR), 1500W, heavy duty	unit	3	7,000.00	21,000.00
	<input checked="" type="checkbox"/> <i>Input: 220volts</i>				
	<input checked="" type="checkbox"/> <i>Power: 1500watts</i>				
	<input checked="" type="checkbox"/> <i>Output: 110-220 volts</i>				
	<input checked="" type="checkbox"/> <i>Range voltage 120v-220 volts</i>				
	<input checked="" type="checkbox"/> <i>Servo motor controlled</i>				
10	Cisco VOIP phone	pc	13	20,000.00	260,000.00
	<i>Cisco CP-7821-3PCC or Cisco CP-6821-3PCC</i>				



	2 channels with power supply (Existing VSU IPPhone Fleet)				
11	Computer Monitor 24", IPS, Bezel-less Full HD Monitor	set	11	10,500.00	115,500.00
	☐Panel Type: IPS				
	☐Brightness(Typical): 250cd/m ²				
	☐Brightness(Min): 200cd/m ²				
	☐Contrast Ratio Static: 1000:1(typical)				
	☐Dynamic Contrast Ratio: MegaFlat				
	☐Resolution: 1920x1080				
	☐Response Time: 5ms(GTG)				
	☐Max Color Support: Max 16.7M				
	☐Max Refresh Rate: Max 75Hz				
	☐Interface: D-sub(x1), HDMI(x1)				
12	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	2	14,000.00	28,000.00
	☐Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour				
	☐Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles				
	☐Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices				
	☐3-in-1: Print, copy & scan and borderless photo printing				
	☐Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color				
	☐Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology				
	☐Ink Technology: Dye Ink				
	☐Printing Resolution: 5,760 x 1,440 DPI				
13	Desktop Computer (i3, 11th Gen)	set	1	40,000.00	40,000.00
	Processor: Intel Core i3-11300 (4cores/8threads)or higher				
	Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200				
	8GB DDR4 2933 DIMM Desktop Memory or higher				
	SSD: 240GB NVMe or higher				
	Keyboard and Mouse Combo				
	Casing with Power Supply				
	Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m ² / Refresh Rate: 60 Hz,				
	Operating System: Genuine Windows 10 Home (OEM)				
	AVR: 500W IC controlled				
14	Desktop computer unit only (ready to use)	unit	5	30,000.00	150,000.00
	Fully assembled with motherboard and case; Drivers and Windows 10/11 (64-bit) OS installed, with power cable, ready to use.				
	Processor: 6 cores, 12 threads, 3.9-4.4 GHz,				



	<i>Multithreading, 16 MB L3 cache, with integrated graphics, compatible with Windows 11 (64-bit), compatible with PCIe 3.0.</i>				
	<i>RAM: 2 x 8GB (at least 3000 MHz)</i>				
	<i>Storage: at least 480GB, NVMe M.2, PCIe Gen 4.0</i>				
15	Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor	unit	2	49,000.00	98,000.00
	☑ <i>Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher</i>				
	☑ <i>Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher</i>				
	☑ <i>RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher</i>				
	☑ <i>SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher</i>				
	☑ <i>Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm</i>				
	☑ <i>Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0</i>				
	☑ <i>OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6</i>				
	☑ <i>PSU: 550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher</i>				
16	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD	set	1	49,000.00	49,000.00
	☑ <i>Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher</i>				
	☑ <i>Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher</i>				
	☑ <i>RAM: 16GB DDR4 3200 Mhz or higher</i>				
	☑ <i>SSD: 512 GB NVMe PCIe Gen 3x4</i>				
	☑ <i>HDD: 1 TB 7200 RPM</i>				
	☑ <i>PSU: 650w 80 plus Bronze Certified</i>				
	☑ <i>Casing: mATX Casing with transparent acrylic side panel</i>				
	☑ <i>24" IPS monitor 72% NISTC color gamut with 75Hz refresh rate</i>				
	☑ <i>Keyboard and Mouse Combo: Spill-resistant design</i>				



	<i>with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse</i>				
	☐ <i>Operating system: Genuine Windows 11</i>				
17	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM	set	1	49,000.00	49,000.00
	☐ <i>Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher</i>				
	☐ <i>Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher</i>				
	☐ <i>Operating System: Genuine Windows 11 Home 64</i>				
	☐ <i>Memory: 8 GB DDR4-3200MHz (UDIMM) or higher</i>				
	☐ <i>Graphics: Integrated Graphics</i>				
	☐ <i>SSD: 256 GB SSD M.2 2280 PCIe or higher</i>				
	☐ <i>Casing: mATX casing</i>				
	☐ <i>Power supply: at least 450W, True Rated 80+ Bronze</i>				
	☐ <i>Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz</i>				
18	Digital Voice Recorder	unit	3	7,500.00	22,500.00
	<i>Built-in USB Black</i>				
	<i>Micro card slot</i>				
	<i>Stereo mic-in jack</i>				
	<i>Stereo earphone jack</i>				
19	DJ Controller	set	1	25,000.00	25,000.00
	☐ <i>4-deck layering DJ controller</i>				
	☐ <i>(6) Fun, quick-launch effects with dual paddle triggers</i>				
	☐ <i>Large 6-inch, high-resolution capacitive-touch jog wheels with color displays</i>				
	☐ <i>Dedicated instant loop control with multiplier buttons</i>				
	☐ <i>Full 3-band EQ and filter knobs to create audio sweeps</i>				
	☐ <i>(8) Performance pads per deck to access cues, loops, fader cuts and samples</i>				
	☐ <i>24-bit audio output</i>				
	☐ <i>Microphone input, RCA output and headphone output</i>				
20	Epson 001 ink, Black, 127ml, Genuine	btl	10	600.00	6,000.00
21	Epson 001 ink, Cyan, Genuine	btl	10	350.00	3,500.00
22	Epson 001 ink, Magenta, Genuine	btl	6	350.00	2,100.00
23	Epson 001 ink, Yellow, Genuine	btl	10	350.00	3,500.00
24	Full layout wired Keyboard	pc	5	2,500.00	12,500.00
	<i>Full layout (100%, at least 104 keys), USB 2.0 1000Hz, 19-keys-rollover anti-ghosting, 5-zone RGB lighting.</i>				
25	Hard Drive, External, 2TB, USB 3.0, 5.0 Gbit/s Transfer Rate or Better	unit	1	3,500.00	3,500.00
26	HDMI Cable, 10m	pc	1	1,000.00	1,000.00
	☐ <i>10 meters</i>				
	☐ <i>Nylon braided</i>				
	☐ <i>1.4 version 3D support</i>				



	☐Support all high resolutions including 480p, 720p, 1080p and 1180p.				
	☐Multi -channel digital audio with a 10.2 Gbps band-width				
	☐HDMI AV cable for HDTV				
	☐HDMI EMI/RFI Compliant Cable				
	☐24k GOLD plated HDMI plugs				
	☐ROHS compliant cable.				
27	HDMI to HDMI Cable 3 meters	pc	20	600.00	12,000.00
28	HDMI to HDMI cable, 20 meters	pc	4	1,300.00	5,200.00
	<i>Length: 20 Meters</i>				
	<i>High Quality Pure Copper</i>				
	<i>HDMI Male to HDMI Male</i>				
	<i>Transfers at speeds up to 10.2 Gbps</i>				
	<i>Gold plated 19 pin HDMI connectors; oxygen-free copper cable</i>				
	<i>PVC jacket with high visibility nylon braiding</i>				
29	Headphone, Professional, Studio Grade,	unit	2	1,000.00	2,000.00
	☐Type: Closed-back dynamic				
	☐Driver Diameter: 40 mm				
	☐Frequency Response: 15 - 24,000 Hz				
	☐Maximum Input Power: 1,600 mW at 1 kHz				
	☐Sensitivity: 98 dB				
	☐Impedance: 35 ohms				
	☐Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable				
	☐Cable - Detachable: Yes				
	☐Magnet: Neodymium				
	☐Voice Coil: CCAW (Copper-clad aluminum wire)				
	☐Folding/collapsible: Yes				
	☐Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter				
30	Ink, Epson 003,Genuine Black 65mL	btl	21	350.00	7,350.00
31	Ink, EPSON 003,Genuine Cyan 65mL	btl	15	350.00	5,250.00
32	Ink, EPSON 003,Genuine Magenta 65mL	btl	15	350.00	5,250.00
33	Ink, EPSON 003,Genuine Yellow 65mL	btl	15	350.00	5,250.00
34	Ink, Epson, genuine (C) T664, 70 ml	pc	6	350.00	2,100.00
35	Ink, Epson, genuine (M) T664, 70 ml	pc	7	350.00	2,450.00
36	Ink, Epson, genuine, (BK) T664, 70 ml	pc	9	350.00	3,150.00
37	Ink, Epson, genuine, (Y) T664, 70 ml	pc	6	350.00	2,100.00
38	Keyboard And Mouse Combo Bundle, USB powered	set	2	800.00	1,600.00
	☐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				
39	Laptop 14" (i3)	unit	1	38,000.00	38,000.00
	☐Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher				
	☐Operating System : Windows 10 Home				
	☐Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher				
	☐Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC				
	☐Graphics : Integrated Intel UHD Graphics				
	☐Storage : 512GB PCIe Gen3 x2 SSD or higher				
	☐Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0				
	☐Battery : 2 -Cell 32 Wh lithium-polymer battery with bag(backpack)				
40	Laptop, 12th Gen i5, 8GB RAM	unit	1	55,000.00	55,000.00
	Processor: 12th Generation Intel® Core™ i5-12450H Processor (E-cores up to 3.30 GHz P-cores up to 4.40 GHz) or higher				
	Operating System: Windows 11 Home 64 Single Language				
	Graphic Card: Integrated Graphics				
	Memory: 8 GB LPDDR5-4800MHz or higher				
	Storage: 512 GB SSD M.2 2242 PCIe Gen4 TLC or higher				
	Display: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel				
	Camera: 1080P FHD with Dual Microphone				
	Battery: 3 Cell Li-Polymer 56.6Wh				
	AC Adapter / Power Supply: 65W USB-C 90% PCC 3pin AC Adapter - US				
	Fingerprint Reader: No Fingerprint Reader with bag(backpack)				
41	LCD Projector (XGA), 3LCD Technology	unit	9	28,000.00	252,000.00
	☐Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology				
	☐White Light Output (Normal/Eco):3,600 lm				
	☐Colour Light Output:3,600 lm				
	☐Resolution XGA, at least 1024 x 768,				
	☐Analog Input:D-Sub 15pin: 1				
	☐Digital Input:HDMI: 1				



	☐LCD:Native Resolution: XGA (1024 x 768)				
	☐Size: 0.55" (C2fine)				
	☐Lightsource:Type: 210W UHE				
	☐Life (Normal / Eco): 6,000 / 12,000 hours				
	☐Aspect Ratio:4:3				
	☐USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings)				
	☐Analog Input:D-Sub 15pin: 1				
	☐Digital Input:HDMI: 1				
42	LCD Projector SVGA	lot	1	75,000.00	75,000.00
	3 units of LCD Projector				
	☐Projection System: 3LCD Technology, RGB liquid crystal shutter				
	☐Resolution: SVGA (800x600), 4:3				
	☐Light Output: 3,300 Lumen- 2,050 Lumen (economy)				
	☐Contrast Ratio: 15,000:1				
	☐Lamp: 210 W				
	☐Lamp Hours: 6,000-10,000				
	With projector screen each				
43	LCD Projector, 3LCD Technology	unit	2	28,000.00	56,000.00
	Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology				
	White Light Output (Normal/Eco):3,600 lm				
	Colour Light Output:3,600 lm				
	Resolution XGA, at least 1024 x 768,				
	Analog Input: D-Sub 15pin: 1				
	Digital Input: HDMI: 1				
	LCD: Native Resolution: XGA (1024 x 768)				
	Size: 0.55" (C2fine)				
	Light source: Type: 210W UHE				
	Life (Normal / Eco): 6,000 / 12,000 hours				
	Aspect Ratio:4:3				
	USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings)				
	Analog Input: D-Sub 15pin: 1				
	Digital Input: HDMI: 1				
44	LCD Projector, XGA (1024x768)	unit	4	27,000.00	108,000.00
	☐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				
45	Multi-Function Business Inkjet Color Printer	unit	1	17,000.00	17,000.00
	Specs:				
	Print, Scan Copy, Fax				
	Inkjet Printer				
	530 mm x 398 x 304 mm				
	Up to 22 (monochrome) /20 (color) ipm (Based on ISO/IEC 24734*)				
	Up to 35 (monochrome) / 27 (color) ppm (Based on Fast Mode)				
46	Presentation Clicker/Pointer	pc	1	2,200.00	2,200.00
	R400 2.4 GHz USB-Receiver Red Laser Pointer Wireless Presentation Remote				
47	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)	unit	1	11,000.00	11,000.00
	☐Tank Ink System				
	☐Printer Type: Print, Scan and Copy				
	☐Scanner Type: Flatbed colour image scanner				
	☐Sensor Type: CIS				
	☐Optical Resolution: 600 x 1200 dpi				
	☐Copy Speed: Maximum Copies from Standalone: 20 copies				
	☐Maximum Copy Size: A4, Letter				
	☐ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm				
	☐Max Copy Resolution: 300 x 300 dpi				
	☐Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard				
	☐Output Capacity: Up to 30 sheets				
	☐A4 plain paper: 20 sheets, Premium Glossy Photo Paper				
	☐Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")				
	☐Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)				
	☐Print Direction: Bi-directional printing				
	☐Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	☐Minimum Ink Droplet Size: 3 pl				
48	Printer, Wi-Fi Duplex All-in-One Ink	pc	1	18,000.00	18,000.00
	Printer Type:Print, Scan, Copy				
	Print Method:On-demand inkjet (piezoelectric)				
	Printer Language:ESC/P-R, ESC/P Raster				
	Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)				
	Maximum Resolution:5760 x 1440 dpi				



	Automatic 2-sided Printing:Yes (Up to A4)				
	Scanner Type:Flatbed colour image scanner				
	Sensor Type:CIS				
	Optical Resolution:1200 x 2400 dpi				
	USB:USB 2.0				
	Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	Network Protocol:TCP/IPv4, TCP/IPv6				
	LCD Screen:1.44" Colour LCD Screen				
49	Projector Screen 100-inch pull up projector screen with stand	pc	3	13,000.00	39,000.00
50	RAM DDR3	pc	1	4,500.00	4,500.00
	RAM				
	DDR3				
	8GB, 1600Mhz				
51	Rechargeable Wireless Keyboard and Mouse Set	unit	13	1,900.00	24,700.00
	☑Rechargeable Office Wireless Keyboard and Mouse Set				
	☑Size: 284*121*16.mm				
	☑Weight: 280g				
	☑Connection method: USB receiver/Bluetooth				
52	SDS: 8417M Micro Cut Paper Shredder	unit	1	10,800.00	10,800.00
	Paper Shredder				
	Features:				
	- Sheets / Pass: 17 Pages				
	- Cut Type: Micro-Cut				
	- Cut Size: 2mmx10mm				
	- Security: High Security Level Din-P-5				
	- Users: 5+				
	- Bin Size: 26L				
	- Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening				
	- Shreds: Paper, staples, paper clips, CDs, credit cards				
	- Warranty: 1 Year				
	- LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels				
	What's in the box				
	1 x Shredder				
	1 x Manual				
53	Solid State Drive, 500GB, 2,5", SATA	pc	1	4,500.00	4,500.00
	*Read Speed: 560 MB				
	*Write Speed: 530MB				
	*5 year limited warranty				
	*Compatible with Laptop and desktop				
54	Sony Electret Condenser Microphone for lapel mic	pc	3	17,000.00	51,000.00
	3.5 mm connector, Compatible with existing device				
55	Toner MP 2014H NRG Brand	btl	2	5,000.00	10,000.00
	MP2014H Series/MP2700/MP2701;				



56	Uninterruptible Power Supply (UPS)		10	7,000.00	70,000.00
	<i>1000VA / 600 Watts, Line interactive with AVR, 4 outlets</i>				
57	UPS	unit	1	7,000.00	7,000.00
	☐ <i>Output Power Capacity: 550 Watts/1100 VA</i>				
	☐ <i>Max Configurable Power: 550 Watts/1100 VA 2 years' warranty</i>				
	☐ <i>Nominal Output Voltage: 230V</i>				
	☐ <i>Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup)</i>				
	☐ <i>Nominal Input Voltage: 230V</i>				
	☐ <i>At most 4 hours charging time</i>				
58	UPS 650VA-360W Uninterruptible Power Supply	unit	2	3,000.00	6,000.00
	<i>Quick Specs: 4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection, Easy to use</i>				
	<i>Output Capacity: 650VA/360W</i>				
	<i>Output (on battery): 230V +/- 10%, 50/60Hz +/- 1Hz</i>				
	<i>Input Voltage Range: 140V-300V, 50/60Hz +/- 5Hz (auto sensing)</i>				
	<i>Surge: 156 J</i>				
	<i>Battery recharge time: 8 hours</i>				
	<i>No. of Outlets: 4 NEMA 5-15R Battery Backup Outlets</i>				
	<i>Dimension: 14.2 cm x 10.1 cm x 30 cm</i>				
	<i>Battery Type: Lead-Acid</i>				
59	UPS Battery Backup, 1500VA	unit	1	10,000.00	10,000.00
	☐ <i>Capacity: at least 1500VA/900w</i>				
	<i>Output voltage: 220</i>				
	<i>Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains)</i>				
	<i>Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum</i>				
	<i>Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing</i>				
	☐ <i>6 battery backup sockets</i>				
	☐ <i>USB, coax, phone/network, and serial ports</i>				
	☐ <i>with Automatic Voltage Regulation (AVR)</i>				
	☐ <i>LCD screen</i>				
	☐ <i>at most 4 hours charging time</i>				
60	UPS with Built-in AVR	lot	1	85,000.00	85,000.00
	4 units of UPS with built-in AVR				
	Description:				
	<i>-CPU controlled</i>				
	<i>-Advanced AVR technology</i>				
	<i>-Surge protection</i>				
	<i>-Battery backup</i>				
	<i>-Auto charge in power off mode</i>				
	<i>-Overload and short circuit protection</i>				
	<i>-Resettable Fuse on back panel</i>				
	<i>-LCD display and Audible alarm</i>				
	<i>-3000VA</i>				



	-4 Outlets				
	-Up to 120 Minutes Runtime				
	-AVR				
	Specifications:				
	Input:				
	Voltage: 220V				
	Voltage Range: 175-275V				
	Frequency: 50Hz/60Hz				
	Output:				
	Capacity (Total): 3000VA/1800W				
	Voltage (On Battery): 220V+ -5%				
	Frequency: 50Hz/60Hz Sync with Utility Power				
	Transfer Time: 2-6ms Typical				
	Wave Form: Simulated Sine Wave				
	Connection: Universal Outlet x4				
	Battery:				
	Type: Maintenance-Free Sealed Lead-Acid				
	Capacity: 12v/9AHx4				
	Recharging Time: 8Hours > 90%				
	Back up Time (1PC): Up to 120 minutes (Depending on Load)				
61	UPS, 1000 VA	unit	2	4,000.00	8,000.00
	☐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				
62	VOIP Phone	unit	1	20,000.00	20,000.00
	Audio Features				
	• HD voice: HD handset, HD speaker				
	• Smart Noise Filtering				
	• Narrowband codec: PCMU (G.711A), PCMA (G.711μ), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC				
	• DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO				
	• Full-duplex hands-free speakerphone with AEC				
	• VAD, CNG, AEC, PLC, AJB, AGC				
	Phone Features				
	• 2 VoIP accounts				
	• Call hold, mute, DND				
	• One-touch speed dial, hotline				
	• Call forward, call waiting, call transfer				
	• Group listening, SMS, emergency call				
	• Redial, call return, auto answer				



• Local 5-way conferencing				
• Direct IP call without SIP proxy				
• Ring tone selection/import/delete				
• Set date time manually or automatically				
• Dial plan				
• XML Browser, action URL/URI				
• Integrated screenshots				
• RTCP-XR, VQ-RTCPXR				
• Enhanced DSS Key				
Directory				
• Local phonebook up to 1000 entries				
• Black list				
• XML/LDAP remote phonebook				
• Smart dialing				
• Phonebook search/import/export				
• Call history: dialed/received/missed/forwarded				
IP-PBX Features				
• Busy Lamp Field (BLF), Bridged Line Appearance (BLA)				
• Anonymous call, anonymous call rejection				
• Hot-desking, voice mail				
• Flexible seating				
• Call park, call pickup				
• Executive and Assistant				
• Centralized call recording				
• Visual voice mail				
• Call recording				
Display and Indicator				
• 2.3" 132x64-pixel graphical LCD with backlight				
• LED for call and message waiting indication				
• Dual-color (red or green) illuminated LEDs for line status information				
• Intuitive user interface with icons and soft keys				
• Multilingual user interface				
• Caller ID with name and number				
• Power saving				
Feature keys				
• 2 line keys with LED				
• 6 features keys: transfer, message, headset, redial, mute, hands-free speakerphone				
• 5 navigation keys				
• Volume control keys				
Interface				
• Dual-port Gigabit Ethernet				
• Power over Ethernet (IEEE 802.3af), class 1*				
• 1 x RJ9 (4P4C) handset port				
• 1 x RJ9 (4P4C) headset port				
Other Physical Features				



	• Color: Classic Grey				
	• Wall mountable				
	• External Yealink AC adapter				
	AC 100-240 V input and DC 5 V/0.6 A output				
	• Power consumption (PSU): 2-3 W				
	• Power consumption (PoE): 3-4 W				
	• Dimension (W x D x H x T): 188 x 189 x 162 x 50 mm				
	• Operating humidity: 10-95%				
	• Operating temperature: -10 to +45°C (+14 to 113°F)				
	• Storage temperature: -30 to +70°C (-22 to +158°F)				
	Management				
	• Configuration: browser/phone/auto-provision				
	• Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy				
	• Auto-provision with PnP				
	• Zero-sp-touch, TR-069				
	• Phone lock for personal privacy protection				
	• Reset to factory, reboot				
	• Package tracing export, system log				
	Network and Security				
	• SIP v1 (RFC2543), v2 (RFC3261)				
	• Call server redundancy supported				
	• NAT traversal: STUN mode				
	• Proxy mode and peer-to-peer SIP link mode				
	• IP assignment: static/DHCP				
	• HTTP/HTTPS web server				
	• Time and date synchronization using SNTP				
	• UDP/TCP/DNS-SRV (RFC 3263)				
	• QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP				
	• SRTP for voice				
	• Transport Layer Security (TLS 1.3)				
	• HTTPS certificate manager				
	• AES encryption for configuration file (AES256)				
	• Digest authentication				
	• OpenVPN, IEEE802.1X, L2TP VPN				
	• IPv6				
	• LLDP/CDP/DHCP VLAN				
	• ICE				
	• WPA2/WPA3				
	• Secure boot				
	• GARP (Generic Attribute Registration Protocol)				
	NOTE: Must be compatible with existing Yearstar S300 Server for auto provisioning				
63	Wired Mouse	pc	5	2,500.00	12,500.00
	200-8000 DPI with DPI button, with 2 thumb buttons.				
64	Biometrics Machine	unit	50	12,000.00	600,000.00
	Face Recognition/Fingerprint Time Attendance Recorder				



	<i>High-Speed Identification Less than 1 second</i>				
	<i>TCP/IP Port for Internet Connection</i>				
	<i>Access Port Available to control one lock and exit button</i>				
	<i>Easy to install and user friendly</i>				
65	Voice Recorder	pc	3	5,500.00	16,500.00
	<i>Built-in, Direct USB connection for quick file transfer to PC</i>				
	<i>Expand memory with the micro SD card slot Up to 55 hours of battery life for extended recording Adjustable microphone range for clearer voices Auto voice recording reduces background noise</i>				
	<i>size AAA alkaline batteries (2)</i>				
	<i>Just plug straight into a free USB port for an immediate connection—no USB cable needed.</i>				
66	Laptop, Intel Core i7-13700H, OS: Windows 11 Pro	unit	1	120,000.00	120,000.00
	<i>CPU: Intel Core i7-13700H OS: Windows 11 Pro (licensed)</i>				
	<i>RAM: 16GB (2x 8GB), DDR5, 4800MHz</i>				
	<i>Storage: 1TB M.2 PCIe NVMe SSD</i>				
	<i>GPU: NVIDIA GeForce RTX 4050, 6GB, GDDR6 Display: 15.6" FHD+ (1920 x 1080), Non-Touch, Anti-Glare, 500units, Infinity Edge</i>				
	<i>Ports: 1 USB 3.2 Gen 2 Type-C port with DisplayPort, 2 Thunderbolt 4 (USB Type-C 3.2 Gen 2) Ports, 1 Headset (Headphone and microphone combo) Port, 1USB-C to USB-A v3.0 & HDMI V2.0 adapter (include in the box)</i>				
	<i>Slots: 1 SD Card slot, 1 Wedge-shape lock slot Camera: 720p at 30 fps, HD camera & dual-array microphones</i>				
	<i>Battery: 6 Cell, 86Wh, Integrated Power: 130W type-C Adapter</i>				
	<i>MS Office: MS Office 2021 Professional</i>				
	<i>One year warranty on parts and services. Local authorized service provider should be available and identified/provided for in the BID offer.</i>				
	<i>Freebies: Laptop Bag</i>				
	Rebidding - VSU-GOODS-23-46				
67	Android Smartphone	unit	1	7,000.00	7,000.00
	Specification:				
	—Chipset: Mediatek Helio G80 (12 nm)				
	—Operating system: Android 10				
	—ROM: at least 32 GB				
	—RAM: at least 3GB				
	—Screen Type: IPS LCD, at least 400 nits				
	—Camera Front : at least 8 MP				
	—Primary(Back) Camera Resolution at least 13MP				
	—Resolution: at least 1080 x 2340 pixels				
	—SIM: Dual SIM (Nano-SIM, dual stand-by)				
68	Camera with 28-70 mm Zoom Lens	unit	1	132,000.00	132,000.00
	<i>Product Specification:</i>				



	<i>Lens</i>				
	<i>Lens Mount: E-mount</i>				
	<i>Image Sensor</i>				
	<i>Aspect Ratio: 3:2</i>				
	<i>Number Of Pixels (Effective): Approx. 24.2 megapixels</i>				
	<i>Number of Pixels (total): Approx. 25.3 megapixels</i>				
	<i>Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor</i>				
	<i>Anti-Dust System: Charge protection coating on optical filter and image sensor shift mechanism</i>				
	<i>Recording (still images)</i>				
	<i>Image Size (pixels) [16:9]: 35 mm full frame L: 6000 x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 (5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)</i>				
	<i>Image Size (pixels) [Sweep Panorama]</i>				
	<i>Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome</i>				
	<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>				
	<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>				
	<i>Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))</i>				
	<i>Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color</i>				
	<i>14bit RAW: Yes</i>				
	<i>Uncompressed RAW: Yes</i>				
	<i>Recording (movie)</i>				
	<i>Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant</i>				
	<i>Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color</i>				
	<i>Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key</i>				



	<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>			
	<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>			
	<i>Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)</i>			
	<i>Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)</i>			
	<i>Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</i>			
	<i>Slow and quick motion (recording frame rate and image size) : NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)</i>			
	<i>Movie Functions: Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist</i>			
	<i>Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit</i>			
	<i>Recording System</i>			
	<i>Location information Link from smartphone: Yes</i>			
	<i>Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card</i>			
	<i>Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card</i>			



	Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy				
	Noise Reduction				
	Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off				
	Multi Frame NR				
	White balance				
	White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom				
	AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step				
	Priority Set in AWB: Yes				
	Bracketing: 3 frames, H/L selectable				
	Focus				
	Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF) ²				
	Focus Sensor: Exmor R [®] CMOS sensor				
	Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)				
	Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)				
	Focus Mode: AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus				
	Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot / Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot)				
	Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.				
	AF Illuminator: Yes (with built-in LED type)				
	AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)				
	Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)				
	Exposure				
	Metering Type: 1200-zone evaluative metering				



	<i>Viewfinder</i>				
	<i>Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED</i>				
	<i>Number of Dots: 2,359,296 dots</i>				
	<i>Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)</i>				
	<i>Color Temperature Control: Manual (5 steps)</i>				
	<i>Field Coverage: 100%</i>				
	<i>Magnification: approx. 0.78 x (with 50mm lens at infinity, -1m-1)</i>				
	<i>Diopter Adjustment: -4.0 to +3.0 m-1</i>				
	<i>Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)</i>				
	<i>Finder Frame Rate Selection</i>				
	<i>Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram</i>				
	<i>LCD Screen</i>				
	<i>Monitor Type: 7.5 cm (3.0-type) type TFT</i>				
	<i>Number of Dots: 921,600 dots</i>				
	<i>Touch Panel: Yes</i>				
	<i>Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode</i>				
	<i>Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees</i>				
	<i>Display Selector (Finder/LCD): Yes (Auto/Manual)</i>				
	<i>Real-time Image Adjustment Display (LCD): On/Off</i>				
	<i>Quick Navi: Yes</i>				
	<i>Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)</i>				
	<i>Zebra: Yes (selectable level + range or lower limit as custom setting)</i>				
	<i>Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)</i>				
	<i>Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</i>				
	<i>Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off</i>				
	<i>Other Features</i>				
	<i>PlayMemories Camera Apps™</i>				
	<i>Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)</i>				
	<i>Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C:</i>				



	<i>approx 4x</i>				
	<i>Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8</i>				
	<i>Self-Portrait Self-Timer</i>				
	<i>Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</i>				
	<i>Eye-Fi ready</i>				
	<i>Shutter</i>				
	<i>Type: Electronically-controlled, vertical-traverse, focal-plane type</i>				
	<i>Shutter Type</i>				
	<i>Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)</i>				
	<i>Flash Sync. Speed: 1/250 sec.3</i>				
	<i>Electronic Front Curtain Shutter: Yes (ON/OFF)</i>				
	<i>Silent Shooting: Yes (ON/OFF)</i>				
	<i>Image Stabilization</i>				
	<i>Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)</i>				
	<i>Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)</i>				
	<i>Flash Control</i>				
	<i>Control: Pre-flash TTL</i>				
	<i>Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\</i>				
	<i>Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.</i>				
	<i>Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4</i>				
	<i>External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe</i>				
	<i>FE Level Lock: Yes</i>				
	<i>Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)</i>				
	<i>Drive</i>				
	<i>Drive Modes: Single Shooting, Continuous shooting</i>				



	(Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket				
	Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5				
	No. of recordable frames (approx.): JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5				
	Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer				
	Playback				
	Photo Capture: Yes				
	Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp				
	Interface				
	PC Interface: Mass-storage, MTP, PC remote				
	Multi/micro USB terminal: Yes				
	USB Type-C® Terminal: Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)				
	NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing				
	Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV				
	HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB				
	Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))				
	Auto-lock Accessory Shoe				
	Multi Interface Shoe: Yes				
	Smart Accessory Terminal 2				
	Mic Terminal: Yes (3.5 mm Stereo minijack)				
	DC IN Terminal				
	Sync Terminal				
	Headphone Terminal: Yes (3.5 mm Stereo minijack)				



	<i>Vertical Grip Connector: Yes</i>				
	<i>PC Remote: Yes</i>				
	<i>LAN Terminal</i>				
	<i>Print</i>				
	<i>Compatible Standards: Exif Print, Print Image Matching III, DPOF setting</i>				
	<i>Custom function</i>				
	<i>Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set</i>				
	<i>Lens Compensation</i>				
	<i>Setting: Peripheral Shading, Chromatic Aberration, Distortion</i>				
	<i>Power</i>				
	<i>Supplied Battery: One rechargeable battery pack NP-FZ100</i>				
	<i>Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)8</i>				
	<i>Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard)910</i>				
	<i>Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)911</i>				
	<i>Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>				
	<i>Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>				
	<i>Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>				
	<i>USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>				
	<i>Size & Weight</i>				
	<i>Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)</i>				
	<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>				
	<i>Audio</i>				
	<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>				
	<i>Speaker: Built-in, monaural</i>				
	<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>				



69	Compact Document Scanner	unit	2	18,000.00	36,000.00
	<i>25ppm/50ipm, 2-sided colour scan speed</i>				
	<i>20 sheets Automatic Document Feeder (ADF)</i>				
	<i>Portable with micro-B USB3.0 Bus power</i>				
	<i>Dedicated plastic ID card slot</i>				
	<i>Scan to PC and USB host</i>				
	<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>				
	<i>Document Size-Multiple Papers-Width:51mm to 215.9 mm</i>				
	<i>Document Size-Multiple Papers-Length:70mm to 863mm</i>				
	<i>Document Size-Single Papers-Width:51mm to 215.9mm</i>				
	<i>Document Size-Single Papers-Length:70mm to 863mm</i>				
	<i>Colour/Black: Yes/Yes</i>				
	<i>Duplex Scan: Yes</i>				
	<i>Color Depth - Input: 48-bit colour processing</i>				
	<i>Color Depth - Output: 24-bit colour processing</i>				
	<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>				
	<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>				
	<i>Scanning Width: Max 216mm</i>				
	<i>Grayscale: 256 levels</i>				
	<i>Memory Capacity: SDRAM: 256 MB</i>				
	<i>ADF: up to 20 sheets</i>				
	<i>Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0</i>				
70	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C	unit	12	100.00	1,200.00
	<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>				
71	NETBOOK	unit	1	16,000.00	16,000.00
	<i>PROCESSOR INTEL 4th GENERATION PROCESSOR or higher</i>				
	<i>PROCESSOR MODEL INTEL CORE i3/i5/i7</i>				
	<i>STORAGE CAPACITY 16GB or higher</i>				
	<i>SOLID STATE DISK CAPACITY 512GB or higher</i>				
	<i>MECHANICAL HARD DISK CAPACITY 500GB HDD or higher</i>				
	<i>SCREEN SIZE 15.6 INCHES - 14 INCHES</i>				
72	SD Card, 1 TB	pc	3	800.00	2,400.00
	<i>U3 4K C10 V30</i>				
	<i>Capacity: 1 TB</i>				
	<i>Compatibility: Compatible with microSDHC/SDXC,/SDHC UHS-I/microSDXC UHS-I supporting host devices</i>				
	<i>Sequential Read Performance: 200MB/s</i>				
	<i>Sequential Write Performance: 140MB/s</i>				
	<i>Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm</i>				
73	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti	set	1	50,000.00	50,000.00
	<i>Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock,4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher</i>				



	<ul style="list-style-type: none"> ☐Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher 				
	☐Graphics: GTX 1660 ti				
	☐Monitor: 24"				
	☐Memory: 16GB DDR4 3200MHZ(8+8) or higher				
	☐Storage: 512g SSD M2 or higher				
	☐Storage: 1TB HDD				
	☐Keyboard and Mouse				
	☐Audio: HD audio Realtek				
	☐Operating System: Genuine Windows 10 or higher				
74	Toner Cartridge, HP 85A CE285A, Black	box	4	3,500.00	14,000.00
	HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w				
	HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C				
75	1 Lot Network Infrastructure (Miscellaneous)	lot	1	91,000.00	91,000.00
	Network IP Phones:				
	3 units				
	Cisco CP-6821 (same existing fleet of VSU IP Phones)				
	IP Network Camera:				
	5 units				
	Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)				
	3M Volition (Same fleet of VSU existing) Face plate with module, flush type				
	*2 Ports Face plate with RJ-45 Module Cat 6				
	25 sets				
	3M Keystone				
	Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)				
	Re-usable				
	Shallow Depth, Cable Entry from top or bottom				
	Keystone Mounting				
	Accepts both solid conductors from AWG 26 to 22 and stranded conductors				
	Integral shutter Benefits				
	Easy and quick to install				
	Integral shutter protects jack in the patch panel				
	*1 Port Face plate with RJ-45 Module Cat 6				
	25 sets				
	3M Keystone				
	Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)				
	Re-usable				



	Shallow Depth, Cable Entry from top to bottom				
	Keystone Mounting				
	Accepts both solid conductors from AWG 26 to 22 and stranded conductors				
	Integral shutter Benefits				
	Easy and quick to install				
	Integral shutter protects jack in the patch panel				
	Granding FA1-H Biometric System (Same with existing VSU fleet)				
	2 units				
	Biometric System, finger print and facial recognition				
	Built-in backup battery				
	Network port				
76	1 Lot Network Switches	lot	1	450,000.00	450,000.00
	6 units				
	Network Switches:				
	Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)				
	*PoE, PoE+ (370watts)				
	*24 ports				
	*Up to 104 Gbps capacity				
	*Layer 2				
	*Fast Ethernet, 1GbE				
	*Lifetime Warranty				
77	1 Lot Network Switches (2)	lot	1	190,000.00	190,000.00
	2 units				
	Network Switches:				
	HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)				
	PoE, PoE+ (370 watts)				
	24 ports				
	Up to 176 Gbps Switching capacity				
	Layer 2 with Static and RIP				
	1G, SFP, SFP+				
	Lifetime Warranty				
78	UTP Cable (305 meters), CAT 6 23 AWG	roll	3	10,000.00	30,000.00
	☐UTP Cable cat6				
	☐Cat 6 Cable UTP Unshielded AWG23				
	☐Gray Data LAN Cable				
	☐1000 feet 305m 1000ft.				
	☐must be UL listed & ISO certified cable				
79	External Hard Disk Drive (Portable, 2TB), USB	unit	1	4,200.00	4,200.00
	☐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				
80	DJI Inspire 2 TB50 Intelligent Flight Battery	pc	4	10,000.00	40,000.00
81	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh	pc	2	15,000.00	30,000.00
82	Computer Monitor 24", IPS, Bezel-less Full HD Monitor	set	8	7,000.00	56,000.00
	☐Panel Type: IPS				
	☐Brightness(Typical): 250cd/m ²				
	☐Brightness(Min): 200cd/m ²				
	☐Contrast Ratio Static: 1000:1(typical)				
	☐Dynamic Contrast Ratio: MegaFlat				
	☐Resolution: 1920x1080				
	☐Response Time: 5ms(GTG)				
	☐Max Color Support: Max 16.7M				
	☐Max Refresh Rate: Max 75Hz				
	☐Interface: D-sub(x1), HDMI(x1)				
83	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	15	3,500.00	52,500.00
	☐Shock-absorbing				
	☐Interface: USB 3.1 (Max.5Gb/s)				
	☐Capacity: 1TB				
	☐Texture: Plastic/Rubber				
	☐Operating Voltage: DC 5V, 900mA				
	☐System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
84	Universal HDMI to VGA Adapter Cable, at least 1.8 meters	unit	10	600.00	6,000.00
85	Laptop	unit	1	80,000.00	80,000.00
	Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher				
	16GB RAM or higher				
	512GB M.2 NVMe PCIe 3.0 SSD or higher				
	16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate				
	NVIDIA Geforce RTX 3050 4GB Laptop GPU 4GB GDDR6				
	Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card				
	Windows 11 Home				
	with bag(backpack)				
86	Laptop	unit	1	49,999.00	49,999.00
	Operating System: Windows 11 Home Single Language				
	Operating System Architecture 64-bit				
	Processor: Intel Core™ i5 -12500H or higher				
	Processor Speed 2.50 GHz				
	Processor Core Dodeca-core (12 Core™)				
	Processor Generation 12th Gen				
	Graphics Controller Manufacturer: NVIDIA®				



	Graphics Controller Model GeForce® RTX™ 3050			
	Graphics Memory Capacity 4 GB GDDR6			
	Graphics Memory Accessibility			
	Dedicated			
	GPU Boost Clock Up to 1600 MHz			
	Maximum Graphics Power Up to 95 W			
	Screen Size: 39.6 cm (15.6")			
	Display Screen Type: LCD			
	Backlight Technology: LED			
	Screen Resolution: 1920 x 1080			
	Standard Refresh Rate: 144 Hz			
	Total Installed System Memory: 8 GB DDR4 SDRAM			
	Total Solid State Drive Capacity ; 512 GB			
	Solid State Drive Interface			
	PCI Express			
	Wireless LAN Standard			
	IEEE 802.11 a/b/g/n/ac/ax			
	Wireless LAN Model			
	Wi-Fi 6 AX 1650i			
	Ethernet Technology			
	Gigabit Ethernet			
	Bluetooth 5.1 or above			
	Built-in Devices			
	Microphone			
	Number of HDMI Outputs: 1			
	Number of USB 3.2 Gen 1 Type-A Ports: 1			
	Number of USB 3.2 Gen 2 Type-A Ports: 2			
	Number of USB 3.2 Gen 2 Type-C Ports:1			
	Total Number of USB Ports:4			
	USB Type-C, USB Type-C Detail			
	USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W			
	Network (RJ-45)			
	Pointing Device Type			
	TouchPad			
	Keyboard Backlight			
	TouchPad Features			
	Multi-touch Gesture			
	4-cell Lithium Ion (Li-Ion) Battery			
	Maximum Power Supply Wattage 180 W			
	Product Color Obsidian Black			
	Package Contents			
	Nitro 5 AN515-58-50YE Gaming Notebook			
	Lithium Ion Battery			
	AC Adapter			
	Security Features			



	<i>Firmware Trusted Platform Module (TPM) solution</i>				
	<i>Kensington lock slot</i>				
	<i>with bag(backpack)</i>				
				TOTAL:	4,381,299.00

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

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *Forty-Five (45) calendar days upon receipt of Notice to Proceed (NTP) and Purchase Order (PO)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

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

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *26 March – 16 April 2024 until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on ***April 2, 2014; 9:00 AM*** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing *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 details.

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 ***16 April 2024; 8:30 AM***. Late bids shall not be accepted.



8. For bidders who opt to submit their bids electronically, a hardcopy (original) 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 **16 April 2024; 9:00 AM** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing 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 details.

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>

March 25, 2024

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 IT Equipment and Supplies*, with identification number *VSU-GOODS-24-32*.

The Procurement Project (referred to herein as “Project”) is composed of **86 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 2024 in the amount of ***Four Million Three Hundred Eighty One Thousand Two Hundred Ninety Nine Pesos (PhP 4,381,299.00)***.

2.2. The source of funding is: NGA, the General Fund, 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 **August 16, 2024**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet



Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: a. <i>I.T. Equipment, I.T. Supplies/Consumables, 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 DDP <i>VSU Main, Visca, Baybay City, Leyte</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: a. The amount of not less than <i>Eighty Seven Thousand Six Hundred Twenty Five and 98/100 Pesos (PhP 87,625.98) 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>Two Hundred Nineteen Thousand Sixty Four and 95/100 Pesos (PhP 219,064.95) or five percent (5%) of ABC</i> if bid security is in Surety Bond.
15	Bidders are requested to submit two (2) more copies of its bid (Copy 1 and Copy 2) in addition to the required original hardcopy. 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) per item.</i>
20.2	Bidders are required to submit its updated Mayor's/Business Permit during post-qualification.
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</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><u>Ms. Vivian V. Balbarino</u> <i>Head, Supply and Property Office</i> <i>VSU-Main, Visca, Baybay City, Leyte</i> <i>Contact #: 053 565 0600 local 1082/ 09175518871</i> sppmo@vsu.edu.ph</p> <ul style="list-style-type: none">● <i>Additional Instruction: The Supplier should notify the Head of Supply and Property Management Office at least 1 week before the scheduled delivery.</i> <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">performance r supervision of on-site assembly and/or start-up of the supplied Goods;furnishing of tools required for assembly and/or maintenance of the supplied Goods;furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;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; andtraining of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.



The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

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

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

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

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.

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

Packaging –

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:



	<p>Name of the Procuring Entity</p> <p>Name of the Supplier</p> <p>Contract Description</p> <p>Final Destination</p> <p>Gross weight</p> <p>Any special lifting instructions</p> <p>Any special handling instructions</p> <p>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>
	<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>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p>



	<p>Intellectual Property Rights –</p> <p>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>
2.2	Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU to confirm conformity to the contract specifications at no extra cost to VSU.

Section VI. Schedule of Requirements

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

Item #	Unit	Qty	Description	Delivered, Weeks/Months
1	pc	5	1000W Automatic Voltage Regulator 1000W, Servo motor type, 2-universal outlets (220V), 1-universal outlet (110V).	All Items Should Be Delivered to VSU Main Campus, Visca, Baybay City, Leyte within 45 calendar days from receipt of Notice to Proceed and Purchase Order (PO) .
2	pc	20	2.5" Internal Solid State Drive (SSD) Specifications: at least 500 GB, SATA III, sequential read speed up to 560 MB/s, sequential write speed up to 530 MB/s	
3	pc	5	24-inch Desktop Monitor 23.8" Full HD (1920x1080), 100 Hz, IPS, VESA-wall mountable, low blue light filter, and flicker-free technology Accessories: power cable, HDMI cable.	
4	set	1	3D PRINTER Technical Specifications: ●Extrusion Tech: Independent Dual Direct Drive Metal Extruder (IDEX) ●Build Size: 300mm x 300mm x 400mm ●Build Plate Size: 310mm*320mm ●Printer Size: 653mm*625mm*803mm (Including the filament holder) ●Package Size: 730mm*710mm*310mm ●Net Weight: 15kg ●Printing Accuracy: ±0.1mm ●Positioning Accuracy: X/Y: 0.012mm, Z: 0.001mm ●Supported Print Materials: PLA, TPU, TPE, HIPS, ABS, PETG, WOOD, PC, PA, PVA, ASA ●Print Speed: 20~120mm/s (suggested 60mm/s) ●Stock Nozzle Diameter: 0.4 mm ●Operational Extruder Temperature: Max 260°C ●Operational Hotbed Temperature: Max 100°C ●Input Formats: STL, OBJ, DAE, AMF ●Ambient Operating Temperature: 8°C-40°C ●Connectivity: SD Card or Data Cable ●7 Step Motors: 42-40 Step Motor*1, 42-34 Step Motor*4, 42-29 Step Motor*2	
5	pc	1	3-in-1 Printer Power Consumption: 13 Watt, 3.8 Watt (Standby) Product dimensions: 482 x 300 x 145 mm (Width x Height x Depth) Colour: Black Printer Driver: Windows XP, Windows x64,	



			Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64
			Scanner Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64
			Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64
			Print Speed (Black & White): 9 pages/minute
			Print Speed (Colour): 4 pages/minute
			Number of Cartridges: 4
			Built-in Scanner: Available
			A4: Available
			Letter: Available
			A5: Available
			USB Port: Available
6	pc	3	5000W Automatic Voltage Regulator
			5000W, 220V, Servo motor type;
7	unit	1	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF
			☑Compact integrated tank design
			☑Print speeds up to 15ipm for black and 8.0ipm for colour
			☑Auto-duplex printing Fax and ADF capability / Ethernet &
			☑Wi-Fi Direct
			☑Borderless Printing up to A4 size
			☑Spill-free ink refilling
			☑Control Panel: 2.4 " Colour LCD Touch Panel
8	pc	2	All-in-One Ink Tank Printer with ADF
9	unit	3	Automatic Voltage Regulatory (AVR), 1500W, heavy duty
			☑Input: 220volts
			☑Power: 1500watts
			☑Output: 110-220 volts
			☑Range voltage 120v-220 volts
			☑Servo motor controlled
10	pc	13	Cisco VOIP phone
			Cisco CP-7821-3PCC or Cisco CP-6821-3PCC
			2 channels with power supply (Existing VSU IPPhone Fleet)
11	set	11	Computer Monitor 24", IPS, Bezel-less Full HD Monitor



			☐Panel Type: IPS
			☐Brightness(Typical): 250cd/ m ²
			☐Brightness(Min): 200cd/ m ²
			☐Contrast Ratio Static: 1000:1(typical)
			☐Dynamic Contrast Ratio: MegaFlat
			☐Resolution: 1920x1080
			☐Response Time: 5ms(GTG)
			☐Max Color Support: Max 16.7M
			☐Max Refresh Rate: Max 75Hz
			☐Interface: D-sub(x1), HDMI(x1)
12	unit	2	Computer Printer, All-in-One/Multifunction Colored-Ink Tank
			☐Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour
			☐Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles
			☐Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices
			☐3-in-1: Print, copy & scan and borderless photo printing
			☐Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color
			☐Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology
			☐Ink Technology: Dye Ink
			☐Printing Resolution: 5,760 x 1,440 DPI
13	set	1	Desktop Computer (i3, 11th Gen)
			Processor: Intel Core i3-11300 (4cores/8threads)or higher
			Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200
			8GB DDR4 2933 DIMM Desktop Memory or higher
			SSD: 240GB NVMe or higher
			Keyboard and Mouse Combo
			Casing with Power Supply
			Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m ² / Refresh Rate: 60 Hz,
			Operating System: Genuine Windows 10 Home (OEM)
			AVR: 500W IC controlled
14	unit	5	Desktop computer unit only (ready to use)
			Fully assembled with motherboard and case; Drivers and Windows 10/11 (64-bit) OS installed, with power cable, ready to use.
			Processor: 6 cores, 12 threads, 3.9-4.4 GHz,



			<i>Multithreading, 16 MB L3 cache, with integrated graphics, compatible with Windows 11 (64-bit), compatible with PCIe 3.0.</i>
			<i>RAM: 2 x 8GB (at least 3000 MHz)</i>
			<i>Storage: at least 480GB, NVMe M.2, PCIe Gen 4.0</i>
15	unit	2	Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor
			☑ <i>Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher</i>
			☑ <i>Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher</i>
			☑ <i>RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher</i>
			☑ <i>SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher</i>
			☑ <i>Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm</i>
			☑ <i>Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0</i>
			☑ <i>OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6</i>
			☑ <i>PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher</i>
16	set	1	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD
			☑ <i>Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher</i>
			☑ <i>Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher</i>
			☑ <i>RAM: 16GB DDR4 3200 Mhz or higher</i>
			☑ <i>SSD: 512 GB NVMe PCIe Gen 3x4</i>
			☑ <i>HDD: 1 TB 7200 RPM</i>
			☑ <i>PSU: 650w 80 plus Bronze Certified</i>
			☑ <i>Casing: mATX Casing with transparent acrylic side panel</i>



			<ul style="list-style-type: none"> ☑24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate
			<ul style="list-style-type: none"> ☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse
			<ul style="list-style-type: none"> ☑Operating system: Genuine Windows 11
17	set	1	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM
			<ul style="list-style-type: none"> ☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up to 4.40 GHz) or higher
			<ul style="list-style-type: none"> ☑Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher
			<ul style="list-style-type: none"> ☑Operating System: Genuine Windows 11 Home 64
			<ul style="list-style-type: none"> ☑Memory: 8 GB DDR4-3200MHz (UDIMM) or higher
			<ul style="list-style-type: none"> ☑Graphics: Integrated Graphics
			<ul style="list-style-type: none"> ☑SSD: 256 GB SSD M.2 2280 PCIe or higher
			<ul style="list-style-type: none"> ☑Casing: mATX casing
			<ul style="list-style-type: none"> ☑Power supply: at least 450W, True Rated 80+ Bronze
			<ul style="list-style-type: none"> ☑Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz
18	unit	3	Digital Voice Recorder
			Built-in USB Black
			Micro card slot
			Stereo mic-in jack
			Stereo earphone jack
19	set	1	DJ Controller
			<ul style="list-style-type: none"> ☑4-deck layering DJ controller
			<ul style="list-style-type: none"> ☑(6) Fun, quick-launch effects with dual paddle triggers
			<ul style="list-style-type: none"> ☑Large 6-inch, high-resolution capacitive-touch jog wheels with color displays
			<ul style="list-style-type: none"> ☑Dedicated instant loop control with multiplier buttons
			<ul style="list-style-type: none"> ☑Full 3-band EQ and filter knobs to create audio sweeps
			<ul style="list-style-type: none"> ☑(8) Performance pads per deck to access cues, loops, fader cuts and samples
			<ul style="list-style-type: none"> ☑24-bit audio output
			<ul style="list-style-type: none"> ☑Microphone input, RCA output and headphone output
20	btl	10	Epson 001 ink, Black, 127ml, Genuine
21	btl	10	Epson 001 ink, Cyan, Genuine
22	btl	6	Epson 001 ink, Magenta, Genuine



23	btl	10	Epson 001 ink, Yellow, Genuine
24	pc	5	Full layout wired Keyboard
			<i>Full layout (100%, at least 104 keys), USB 2.0 1000Hz, 19-keys-rollover anti-ghosting, 5-zone RGB lighting.</i>
25	unit	1	Hard Drive, External, 2TB, USB 3.0, 5.0 Gbit/s Transfer Rate or Better
26	pc	1	HDMI Cable, 10m
			☑10 meters
			☑Nylon braided
			☑1.4 version 3D support
			☑Support all high resolutions including 480p, 720p, 1080p and 1180p.
			☑Multi -channel digital audio with a 10.2 Gbps bandwidth
			☑HDMI AV cable for HDTV
			☑HDMI EMI/RFI Compliant Cable
			☑24k GOLD plated HDMI plugs
			☑ROHS compliant cable.
27	pc	20	HDMI to HDMI Cable 3 meters
28	pc	4	HDMI to HDMI cable, 20 meters
			<i>Length: 20 Meters</i>
			<i>High Quality Pure Copper</i>
			<i>HDMI Male to HDMI Male</i>
			<i>Transfers at speeds up to 10.2 Gbps</i>
			<i>Gold plated 19 pin HDMI connectors; oxygen-free copper cable</i>
			<i>PVC jacket with high visibility nylon braiding</i>
29	unit	2	Headphone, Professional, Studio Grade,
			☑Type: Closed-back dynamic
			☑Driver Diameter: 40 mm
			☑Frequency Response: 15 - 24,000 Hz
			☑Maximum Input Power: 1,600 mW at 1 kHz
			☑Sensitivity: 98 dB
			☑Impedance: 35 ohms
			☑Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable
			☑Cable - Detachable: Yes
			☑Magnet: Neodymium
			☑Voice Coil: CCAW (Copper-clad aluminum wire)
			☑Folding/collapsible: Yes
			☑Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter
30	btl	21	Ink, Epson 003,Genuine Black 65mL
31	btl	15	Ink, EPSON 003,Genuine Cyan 65mL
32	btl	15	Ink, EPSON 003,Genuine Magenta 65mL
33	btl	15	Ink, EPSON 003,Genuine Yellow 65mL



34	pc	6	Ink, Epson, genuine (C) T664, 70 ml
35	pc	7	Ink, Epson, genuine (M) T664, 70 ml
36	pc	9	Ink, Epson, genuine, (BK) T664, 70 ml
37	pc	6	Ink, Epson, genuine, (Y) T664, 70 ml
38	set	2	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
39	unit	1	Laptop 14" (i3)
			☐Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher
			☐Operating System : Windows 10 Home
			☐Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher
			☐Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC
			☐Graphics : Integrated Intel UHD Graphics
			☐Storage : 512GB PCIe Gen3 x2 SSD or higher
			☐Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0
			☐Battery : 2 -Cell 32 Wh lithium-polymer battery with bag(backpack)
40	unit	1	Laptop, 12th Gen i5, 8GB RAM
			Processor: 12th Generation Intel® Core™ i5-12450H Processor (E-cores up to 3.30 GHz P-cores up to 4.40 GHz) or higher
			Operating System: Windows 11 Home 64 Single Language
			Graphic Card: Integrated Graphics
			Memory: 8 GB LPDDR5-4800MHz or higher
			Storage: 512 GB SSD M.2 2242 PCIe Gen4 TLC or higher
			Display: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel
			Camera: 1080P FHD with Dual Microphone



			Battery: 3 Cell Li-Polymer 56.6Wh
			AC Adapter / Power Supply: 65W USB-C 90% PCC 3pin AC Adapter - US
			Fingerprint Reader: No Fingerprint Reader with bag(backpack)
41	unit	9	LCD Projector (XGA), 3LCD Technology
			▣Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology
			▣White Light Output (Normal/Eco):3,600 lm
			▣Colour Light Output:3,600 lm
			▣Resolution XGA, at least 1024 x 768,
			▣Analog Input:D-Sub 15pin: 1
			▣Digital Input:HDMI: 1
			▣LCD:Native Resolution: XGA (1024 x 768)
			▣Size: 0.55" (C2fine)
			▣Lightsource:Type: 210W UHE
			▣Life (Normal / Eco): 6,000 / 12,000 hours
			▣Aspect Ratio:4:3
			▣USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings)
			▣Analog Input:D-Sub 15pin: 1
			▣Digital Input:HDMI: 1
42	lot	1	LCD Projector SVGA
			3 units of LCD Projector
			▣Projection System: 3LCD Technology, RGB liquid crystal shutter
			▣Resolution: SVGA (800x600), 4:3
			▣Light Output: 3,300 Lumen- 2,050 Lumen (economy)
			▣Contrast Ratio: 15,000:1
			▣Lamp: 210 W
			▣Lamp Hours: 6,000-10,000
			With projector screen each
43	unit	2	LCD Projector, 3LCD Technology
			Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology
			White Light Output (Normal/Eco):3,600 lm
			Colour Light Output:3,600 lm
			Resolution XGA, at least 1024 x 768,
			Analog Input: D-Sub 15pin: 1
			Digital Input: HDMI: 1
			LCD: Native Resolution: XGA (1024 x 768)
			Size: 0.55" (C2fine)
			Light source: Type: 210W UHE
			Life (Normal / Eco): 6,000 / 12,000 hours
			Aspect Ratio:4:3
			USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings)



			Analog Input: D-Sub 15pin: 1
			Digital Input: HDMI: 1
44	unit	4	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
45	unit	1	Multi-Function Business Inkjet Color Printer
			Specs:
			Print, Scan Copy, Fax
			Inkjet Printer
			530 mm x 398 x 304 mm
			Up to 22 (monochrome) /20 (color) ipm (Based on ISO/IEC 24734*)
			Up to 35 (monochrome) / 27 (color) ppm (Based on Fast Mode)
46	pc	1	Presentation Clicker/Pointer
			R400 2.4 GHz USB-Receiver Red Laser Pointer Wireless Presentation Remote
47	unit	1	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



			<i>Paper</i>
			☐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
48	pc	1	Printer, Wi-Fi Duplex All-in-One Ink
			Printer Type:Print, Scan, Copy
			Print Method:On-demand inkjet (piezoelectric)
			Printer Language:ESC/P-R, ESC/P Raster
			Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)
			Maximum Resolution:5760 x 1440 dpi
			Automatic 2-sided Printing:Yes (Up to A4)
			Scanner Type:Flatbed colour image scanner
			Sensor Type:CIS
			Optical Resolution:1200 x 2400 dpi
			USB:USB 2.0
			Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
			Network Protocol:TCP/IPv4, TCP/IPv6
			LCD Screen:1.44" Colour LCD Screen
49	pc	3	Projector Screen 100-inch pull up projector screen with stand
50	pc	1	RAM DDR3
			RAM
			DDR3
			8GB, 1600Mhz
51	unit	13	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
52	unit	1	SDS: 8417M Micro Cut Paper Shredder
			<i>Paper Shredder</i>
			<i>Features:</i>
			- Sheets / Pass: 17 Pages
			- Cut Type: Micro-Cut
			- Cut Size: 2mmx10mm
			- Security: High Security Level Din-P-5
			- Users: 5+
			- Bin Size: 26L
			- Safety: Safe touch function - stops shredder immediately when hand is detected too close to the



			<i>paper opening</i>
			- Shreds: Paper, staples, paper clips, CDs, credit cards
			- Warranty: 1 Year
			- LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels
			<i>What's in the box</i>
			1 x Shredder
			1 x Manual
53	pc	1	Solid State Drive, 500GB, 2,5", SATA
			*Read Speed: 560 MB
			*Write Speed: 530MB
			*5 year limited warranty
			*Compatible with Laptop and desktop
54	pc	3	Sony Electret Condenser Microphone for lapel mic
			3.5 mm connector, Compatible with existing device
55	btl	2	Toner MP 2014H NRG Brand
			MP2014H Series/MP2700/MP2701;
56		10	Uninterruptible Power Supply (UPS)
			1000VA / 600 Watts, Line interactive with AVR, 4 outlets
57	unit	1	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
58	unit	2	UPS 650VA-360W Uninterruptible Power Supply
			Quick Specs: 4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection, Easy to use
			Output Capacity: 650VA/360W
			Output (on battery): 230V +/- 10%, 50/60Hz +/- 1Hz
			Input Voltage Range: 140V-300V, 50/60Hz +/- 5Hz (auto sensing)
			Surge: 156 J
			Battery recharge time: 8 hours
			No. of Outlets: 4 NEMA 5-15R Battery Backup Outlets
			Dimension: 14.2 cm x 10.1 cm x 30 cm
			Battery Type: Lead-Acid
59	unit	1	UPS Battery Backup, 1500VA
			☑ Capacity: at least 1500VA/900w



			Output voltage: 220
			Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains)
			Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum
			Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing
			☑6 battery backup sockets
			☑USB, coax, phone/network, and serial ports
			☑ with Automatic Voltage Regulation (AVR)
			☑LCD screen
			☑at most 4 hours charging time
60	lot	1	UPS with Built-in AVR
			4 units of UPS with built-in AVR
			Description:
			-CPU controlled
			-Advanced AVR technology
			-Surge protection
			-Battery backup
			-Auto charge in power off mode
			-Overload and short circuit protection
			-Resettable Fuse on back panel
			-LCD display and Audible alarm
			-3000VA
			-4 Outlets
			-Up to 120 Minutes Runtime
			-AVR
			Specifications:
			Input:
			Voltage: 220V
			Voltage Range: 175-275V
			Frequency: 50Hz/60Hz
			Output:
			Capacity (Total): 3000VA/1800W
			Voltage (On Battery): 220V+-5%
			Frequency: 50Hz/60Hz Sync with Utility Power
			Transfer Time: 2-6ms Typical
			Wave Form: Simulated Sine Wave
			Connection: Universal Outlet x4
			Battery:
			Type: Maintenance-Free Sealed Lead-Acid
			Capacity: 12v/9AHx4
			Recharging Time: 8Hours > 90%
			Back up Time (1PC): Up to 120 minutes (Depending on Load)
61	unit	2	UPS, 1000 VA
			☑1000VA/600W capacity
			☑Frequency Range: 60 Hz
			☑Freq. Range (Batt. Mode): 60 Hz ± 1 Hz



			☑ <i>Transfer Time: Typical 4-8 ms</i>
			☑ <i>Waveform (Batt. Mode): Simulated Sine Wave</i>
			☑ <i>Back-up Runtime: 10-15 mins</i>
			☑ <i>Voltage: 220 VAC</i>
			☑ <i>Voltage Range: 162-270 VAC</i>
62	unit	1	VOIP Phone
			<i>Audio Features</i>
			• <i>HD voice: HD handset, HD speaker</i>
			• <i>Smart Noise Filtering</i>
			• <i>Narrowband codec: PCMU (G.711A), PCMA (G.711μ), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC</i>
			• <i>DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO</i>
			• <i>Full-duplex hands-free speakerphone with AEC</i>
			• <i>VAD, CNG, AEC, PLC, AJB, AGC</i>
			<i>Phone Features</i>
			• <i>2 VoIP accounts</i>
			• <i>Call hold, mute, DND</i>
			• <i>One-touch speed dial, hotline</i>
			• <i>Call forward, call waiting, call transfer</i>
			• <i>Group listening, SMS, emergency call</i>
			• <i>Redial, call return, auto answer</i>
			• <i>Local 5-way conferencing</i>
			• <i>Direct IP call without SIP proxy</i>
			• <i>Ring tone selection/import/delete</i>
			• <i>Set date time manually or automatically</i>
			• <i>Dial plan</i>
			• <i>XML Browser, action URL/URI</i>
			• <i>Integrated screenshots</i>
			• <i>RTCP-XR, VQ-RTCPXR</i>
			• <i>Enhanced DSS Key</i>
			<i>Directory</i>
			• <i>Local phonebook up to 1000 entries</i>
			• <i>Black list</i>
			• <i>XML/LDAP remote phonebook</i>
			• <i>Smart dialing</i>
			• <i>Phonebook search/import/export</i>
			• <i>Call history: dialed/received/missed/forwarded</i>
			<i>IP-PBX Features</i>
			• <i>Busy Lamp Field (BLF), Bridged Line Appearance (BLA)</i>
			• <i>Anonymous call, anonymous call rejection</i>
			• <i>Hot-desking, voice mail</i>
			• <i>Flexible seating</i>
			• <i>Call park, call pickup</i>
			• <i>Executive and Assistant</i>



			<ul style="list-style-type: none"> • Centralized call recording
			<ul style="list-style-type: none"> • Visual voice mail
			<ul style="list-style-type: none"> • Call recording
			<i>Display and Indicator</i>
			<ul style="list-style-type: none"> • 2.3" 132x64-pixel graphical LCD with backlight
			<ul style="list-style-type: none"> • LED for call and message waiting indication
			<ul style="list-style-type: none"> • Dual-color (red or green) illuminated LEDs for line status information
			<ul style="list-style-type: none"> • Intuitive user interface with icons and soft keys
			<ul style="list-style-type: none"> • Multilingual user interface
			<ul style="list-style-type: none"> • Caller ID with name and number
			<ul style="list-style-type: none"> • Power saving
			<i>Feature keys</i>
			<ul style="list-style-type: none"> • 2 line keys with LED
			<ul style="list-style-type: none"> • 6 features keys: transfer, message, headset, redial, mute, hands-free speakerphone
			<ul style="list-style-type: none"> • 5 navigation keys
			<ul style="list-style-type: none"> • Volume control keys
			<i>Interface</i>
			<ul style="list-style-type: none"> • Dual-port Gigabit Ethernet
			<ul style="list-style-type: none"> • Power over Ethernet (IEEE 802.3af), class 1*
			<ul style="list-style-type: none"> • 1 x RJ9 (4P4C) handset port
			<ul style="list-style-type: none"> • 1 x RJ9 (4P4C) headset port
			<i>Other Physical Features</i>
			<ul style="list-style-type: none"> • Color: Classic Grey
			<ul style="list-style-type: none"> • Wall mountable
			<ul style="list-style-type: none"> • External Yealink AC adapter
			AC 100-240 V input and DC 5 V/0.6 A output
			<ul style="list-style-type: none"> • Power consumption (PSU): 2-3 W
			<ul style="list-style-type: none"> • Power consumption (PoE): 3-4 W
			<ul style="list-style-type: none"> • Dimension (W x D x H x T): 188 x189 x162 x 50mm
			<ul style="list-style-type: none"> • Operating humidity: 10-95%
			<ul style="list-style-type: none"> • Operating temperature: -10 to +45°C (+14 to 113°F)
			<ul style="list-style-type: none"> • Storage temperature: -30 to +70°C (-22 to +158°F)
			<i>Management</i>
			<ul style="list-style-type: none"> • Configuration: browser/phone/auto-provision
			<ul style="list-style-type: none"> • Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy
			<ul style="list-style-type: none"> • Auto-provision with PnP
			<ul style="list-style-type: none"> • Zero-sp-touch, TR-069
			<ul style="list-style-type: none"> • Phone lock for personal privacy protection
			<ul style="list-style-type: none"> • Reset to factory, reboot
			<ul style="list-style-type: none"> • Package tracing export, system log
			<i>Network and Security</i>



			<ul style="list-style-type: none"> • SIP v1 (RFC2543), v2 (RFC3261) • Call server redundancy supported • NAT traversal: STUN mode • Proxy mode and peer-to-peer SIP link mode • IP assignment: static/DHCP • HTTP/HTTPS web server • Time and date synchronization using SNTP • UDP/TCP/DNS-SRV (RFC 3263) • QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP • SRTP for voice • Transport Layer Security (TLS 1.3) • HTTPS certificate manager • AES encryption for configuration file (AES256) • Digest authentication • OpenVPN, IEEE802.1X, L2TP VPN • IPv6 • LLDP/CDP/DHCP VLAN • ICE • WPA2/WPA3 • Secure boot • GARP (Generic Attribute Registration Protocol)
			NOTE: Must be compatible with existing Yearstar S300 Server for auto provisioning
63	pc	5	Wired Mouse
			200-8000 DPI with DPI button, with 2 thumb buttons.
64	unit	50	Biometrics Machine
			Face Recognition/Fingerprint Time Attendance Recorder
			High-Speed Identification Less than 1 second
			TCP/IP Port for Internet Connection
			Access Port Available to control one lock and exit button
			Easy to install and user friendly
65	pc	3	Voice Recorder
			Built-in, Direct USB connection for quick file transfer to PC
			Expand memory with the micro SD card slot Up to 55 hours of battery life for extended recording
			Adjustable microphone range for clearer voices
			Auto voice recording reduces background noise
			size AAA alkaline batteries (2)
			Just plug straight into a free USB port for an immediate connection—no USB cable needed.
66	unit	1	Laptop, Intel Core i7-13700H, OS: Windows 11 Pro
			CPU: Intel Core i7-13700H OS: Windows 11 Pro



			(licensed)
			RAM: 16GB (2x 8GB), DDR5, 4800MHz
			Storage: 1TB M.2 PCIe NVMe SSD
			GPU: NVIDIA GeForce RTX 4050, 6GB, GDDR6 Display: 15.6" FHD+ (1920 x 1080), Non-Touch, Anti-Glare, 500units, Infinity Edge
			Ports: 1 USB 3.2 Gen 2 Type-C port with DisplayPort, 2 Thunderbolt 4 (USB Type-C 3.2 Gen 2) Ports, 1 Headset (Headphone and microphone combo) Port, 1USB-C to USB-A v3.0 & HDMI V2.0 adapter (include in the box)
			Slots: 1 SD Card slot, 1 Wedge-shape lock slot Camera: 720p at 30 fps, HD camera & dual-array microphones
			Battery: 6 Cell, 86Wh, Integrated Power: 130W type-C Adapter
			MS Office: MS Office 2021 Professional
			One year warranty on parts and services. Local authorized service provider should be available and identified/provided for in the BID offer.
			Freebies: Laptop Bag
			Rebidding - VSU-GOODS-23-46
67	unit	1	Android Smartphone
			☐Specification:
			—Chipset: Mediatek Helio G80 (12 nm)
			—Operating system: Android 10
			—ROM: at least 32 GB
			—RAM: at least 3GB
			—Screen Type: IPS LCD, at least 400 nits
			—Camera Front : at least 8 MP
			—Primary(Back) Camera Resolution at least 13MP
			—Resolution: at least 1080 x 2340 pixels
			—SIM: Dual SIM (Nano-SIM, dual stand-by)
68	unit	1	Camera with 28-70 mm Zoom Lens
			Product Specification:
			Lens
			Lens Mount: E-mount
			Image Sensor
			Aspect Ratio: 3:2
			Number Of Pixels (Effective): Approx. 24.2 megapixels
			Number of Pixels (total): Approx. 25.3 megapixels
			Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor
			Anti-Dust System: Charge protection coating on optical filter and image sensor shift mechanism
			Recording (still images)
			Image Size (pixels) [16:9]: 35 mm full frame L: 6000



			x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 (5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)
			Image Size (pixels) [Sweep Panorama]
			Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome
			Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])
			Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
			Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))
			Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color
			14bit RAW: Yes
			Uncompressed RAW: Yes
			Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant
			Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
			Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key
			Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])
			Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
			Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840



			x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)
			Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)
			Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps
			Slow and quick motion (recording frame rate and image size) : NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)
			Movie Functions: Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist
			Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit
			Recording System
			Location information Link from smartphone: Yes
			Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card
			Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card
			Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy
			Noise Reduction
			Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High



			ISO NR: Normal/Low/Off
			Multi Frame NR
			White balance
			White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom
			AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step
			Priority Set in AWB: Yes
			Bracketing: 3 frames, H/L selectable
			Focus
			Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF) ²
			Focus Sensor: Exmor R [®] CMOS sensor
			Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)
			Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
			Focus Mode: AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
			Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot / Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)
			Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.
			AF Illuminator: Yes (with built-in LED type)
			AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)
			Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)
			Exposure
			Metering Type: 1200-zone evaluative metering
			Viewfinder
			Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED
			Number of Dots: 2,359,296 dots



			Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)
			Color Temperature Control: Manual (5 steps)
			Field Coverage: 100%
			Magnification: approx. 0.78 x (with 50mm lens at infinity, -1m-1)
			Diopter Adjustment: -4.0 to +3.0 m-1
			Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)
			Finder Frame Rate Selection
			Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram
			LCD Screen
			Monitor Type: 7.5 cm (3.0-type) type TFT
			Number of Dots: 921,600 dots
			Touch Panel: Yes
			Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode
			Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees
			Display Selector (Finder/LCD): Yes (Auto/Manual)
			Real-time Image Adjustment Display (LCD): On/Off
			Quick Navi: Yes
			Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)
			Zebra: Yes (selectable level + range or lower limit as custom setting)
			Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
			Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)
			Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off
			Other Features
			PlayMemories Camera Apps™
			Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)
			Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x
			Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off),



			<i>Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8</i>
			<i>Self-Portrait Self-Timer</i>
			<i>Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</i>
			<i>Eye-Fi ready</i>
			<i>Shutter</i>
			<i>Type: Electronically-controlled, vertical-traverse, focal-plane type</i>
			<i>Shutter Type</i>
			<i>Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)</i>
			<i>Flash Sync. Speed: 1/250 sec.3</i>
			<i>Electronic Front Curtain Shutter: Yes (ON/OFF)</i>
			<i>Silent Shooting: Yes (ON/OFF)</i>
			<i>Image Stabilization</i>
			<i>Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)</i>
			<i>Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)</i>
			<i>Flash Control</i>
			<i>Control: Pre-flash TTL</i>
			<i>Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\</i>
			<i>Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.</i>
			<i>Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4</i>
			<i>External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe</i>
			<i>FE Level Lock: Yes</i>
			<i>Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)</i>
			<i>Drive Modes: Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer</i>



			(Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
			Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5
			No. of recordable frames (approx.): JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5
			Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer
			Playback
			Photo Capture: Yes
			Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp
			Interface
			PC Interface: Mass-storage, MTP, PC remote
			Multi/micro USB terminal: Yes
			USB Type-C® Terminal: Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)
			NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing
			Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV
			HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB
			Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))
			Auto-lock Accessory Shoe
			Multi Interface Shoe: Yes
			Smart Accessory Terminal 2
			Mic Terminal: Yes (3.5 mm Stereo minijack)
			DC IN Terminal
			Sync Terminal



			<i>Headphone Terminal: Yes (3.5 mm Stereo minijack)</i>
			<i>Vertical Grip Connector: Yes</i>
			<i>PC Remote: Yes</i>
			<i>LAN Terminal</i>
			<i>Print</i>
			<i>Compatible Standards: Exif Print, Print Image Matching III, DPOF setting</i>
			<i>Custom function</i>
			<i>Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set</i>
			<i>Lens Compensation</i>
			<i>Setting: Peripheral Shading, Chromatic Aberration, Distortion</i>
			<i>Power</i>
			<i>Supplied Battery: One rechargeable battery pack NP-FZ100</i>
			<i>Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)8</i>
			<i>Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard)910</i>
			<i>Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)911</i>
			<i>Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>
			<i>Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>
			<i>Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>
			<i>USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>
			<i>Size & Weight</i>
			<i>Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)</i>
			<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>
			<i>Audio</i>
			<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>



			<i>Speaker: Built-in, monaural</i>
			<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>
69	unit	2	Compact Document Scanner
			<i>25ppm/50ipm, 2-sided colour scan speed</i>
			<i>20 sheets Automatic Document Feeder (ADF)</i>
			<i>Portable with micro-B USB3.0 Bus power</i>
			<i>Dedicated plastic ID card slot</i>
			<i>Scan to PC and USB host</i>
			<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>
			<i>Document Size-Multiple Papers-Width:51mm to 215.9 mm</i>
			<i>Document Size-Multiple Papers-Length:70mm to 863mm</i>
			<i>Document Size-Single Papers-Width:51mm to 215.9mm</i>
			<i>Document Size-Single Papers-Length:70mm to 863mm</i>
			<i>Colour/Black: Yes/Yes</i>
			<i>Duplex Scan: Yes</i>
			<i>Color Depth - Input: 48-bit colour processing</i>
			<i>Color Depth - Output: 24-bit colour processing</i>
			<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>
			<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>
			<i>Scanning Width: Max 216mm</i>
			<i>Grayscale: 256 levels</i>
			<i>Memory Capacity: SDRAM: 256 MB</i>
			<i>ADF: up to 20 sheets</i>
			<i>Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0</i>
70	unit	12	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C
			<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>
71	unit	1	NETBOOK
			<i>PROCESSOR INTEL 4th GENERATION PROCESSOR or higher</i>
			<i>PROCESSOR MODEL INTEL CORE i3/i5/i7</i>
			<i>STORAGE CAPACITY 16GB or higher</i>
			<i>SOLID STATE DISK CAPACITY 512GB or higher</i>
			<i>MECHANICAL HARD DISK CAPACITY 500GB HDD or higher</i>
			<i>SCREEN SIZE 15.6 INCHES - 14 INCHES</i>
72	pc	3	SD Card, 1 TB
			<i>U3 4K C10 V30</i>
			<i>Capacity: 1 TB</i>



			Compatibility: Compatible with microSDHC/SDXC, SDHC UHS-I/microSDXC UHS-I supporting host devices
			Sequential Read Performance: 200MB/s
			Sequential Write Performance: 140MB/s
			Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm
73	set	1	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti
			Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock, 4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher
			☑Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher
			☑Graphics: GTX 1660 ti
			☑Monitor: 24"
			☑Memory: 16GB DDR4 3200MHZ(8+8) or higher
			☑Storage: 512g SSD M2 or higher
			☑Storage: 1TB HDD
			☑Keyboard and Mouse
			☑Audio: HD audio Realtek
			☑Operating System: Genuine Windows 10 or higher
74	box	4	Toner Cartridge, HP 85A CE285A, Black
			HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w
			HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C
75	lot	1	1 Lot Network Infrastructure (Miscellaneous)
			Network IP Phones:
			3 units
			Cisco CP-6821 (same existing fleet of VSU IP Phones)
			IP Network Camera:
			5 units
			Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)
			3M Volition (Same fleet of VSU existing) Face plate with module, flush type
			*2 Ports Face plate with RJ-45 Module Cat 6
			25 sets
			3M Keystone



			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top or bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>*1 Port Face plate with RJ-45 Module Cat 6</i>
			25 sets
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top to bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>Granding FA1-H Biometric System (Same with existing VSU fleet)</i>
			2 units
			<i>Biometric System, finger print and facial recognition</i>
			<i>Built-in backup battery</i>
			<i>Network port</i>
76	lot	1	1 Lot Network Switches
			6 units
			<i>Network Switches:</i>
			<i>Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)</i>
			<i>*PoE, PoE+ (370watts)</i>
			<i>*24 ports</i>
			<i>*Up to 104 Gbps capacity</i>
			<i>*Layer 2</i>
			<i>*Fast Ethernet, 1GbE</i>
			<i>*Lifetime Warranty</i>
77	lot	1	1 Lot Network Switches (2)
			2 units
			<i>Network Switches:</i>
			<i>HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)</i>
			<i>PoE, PoE+ (370 watts)</i>
			<i>24 ports</i>
			<i>Up to 176 Gbps Switching capacity</i>



			Layer 2 with Static and RIP
			1G, SFP, SFP+
			Lifetime Warranty
78	roll	3	UTP Cable (305 meters), CAT 6 23 AWG
			☐UTP Cable cat6
			☐Cat 6 Cable UTP Unshielded AWG23
			☐Gray Data LAN Cable
			☐1000 feet 305m 1000ft.
			☐must be UL listed & ISO certified cable
79	unit	1	External Hard Disk Drive (Portable, 2TB), USB
			☐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
80	pc	4	DJI Inspire 2 TB50 Intelligent Flight Battery
81	pc	2	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh
82	set	8	Computer Monitor 24", IPS, Bezel-less Full HD Monitor
			☐Panel Type: IPS
			☐Brightness(Typical): 250cd/ m ²
			☐Brightness(Min): 200cd/ m ²
			☐Contrast Ratio Static: 1000:1(typical)
			☐Dynamic Contrast Ratio: MegaFlat
			☐Resolution: 1920x1080
			☐Response Time: 5ms(GTG)
			☐Max Color Support: Max 16.7M
			☐Max Refresh Rate: Max 75Hz
			☐Interface: D-sub(x1), HDMI(x1)
83	unit	15	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 OSX10.6 or later, Linux Kernel 2.6 or later
84	unit	10	Universal HDMI to VGA Adapter Cable, at least 1.8 meters
85	unit	1	Laptop
			Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher



			16GB RAM or higher
			512GB M.2 NVMe PCIe 3.0 SSD or higher
			16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate
			NVIDIA Geforce RTX 3050 4GB Laptop GPU 4GB GDDR6
			Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card
			Windows 11 Home
			with bag(backpack)
86	unit	1	Laptop
			Operating System: Windows 11 Home Single Language
			Operating System Architecture 64-bit
			Processor: Intel Core™ i5 -12500H or higher
			Processor Speed 2.50 GHz
			Processor Core Dodeca-core (12 Core™)
			Processor Generation 12th Gen
			Graphics Controller Manufacturer: NVIDIA®
			Graphics Controller Model GeForce® RTX™ 3050
			Graphics Memory Capacity 4 GB GDDR6
			Graphics Memory Accessibility Dedicated
			GPU Boost Clock Up to 1600 MHz
			Maximum Graphics Power Up to 95 W
			Screen Size: 39.6 cm (15.6")
			Display Screen Type: LCD
			Backlight Technology: LED
			Screen Resolution: 1920 x 1080
			Standard Refresh Rate: 144 Hz
			Total Installed System Memory: 8 GB DDR4 SDRAM
			Total Solid State Drive Capacity ; 512 GB
			Solid State Drive Interface PCI Express
			Wireless LAN Standard IEEE 802.11 a/b/g/n/ac/ax
			Wireless LAN Model Wi-Fi 6 AX 1650i
			Ethernet Technology Gigabit Ethernet
			Bluetooth 5.1 or above
			Built-in Devices Microphone
			Number of HDMI Outputs: 1
			Number of USB 3.2 Gen 1 Type-A Ports: 1
			Number of USB 3.2 Gen 2 Type-A Ports: 2



			<i>Number of USB 3.2 Gen 2 Type-C Ports:1</i>
			<i>Total Number of USB Ports:4</i>
			<i>USB Type-C, USB Type-C Detail</i>
			<i>USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W</i>
			<i>Network (RJ-45)</i>
			<i>Pointing Device Type</i>
			<i>TouchPad</i>
			<i>Keyboard Backlight</i>
			<i>TouchPad Features</i>
			<i>Multi-touch Gesture</i>
			<i>4-cell Lithium Ion (Li-Ion) Battery</i>
			<i>Maximum Power Supply Wattage 180 W</i>
			<i>Product Color Obsidian Black</i>
			<i>Package Contents</i>
			<i>Nitro 5 AN515-58-50YE Gaming Notebook</i>
			<i>Lithium Ion Battery</i>
			<i>AC Adapter</i>
			<i>Security Features</i>
			<i>Firmware Trusted Platform Module (TPM) solution</i>
			<i>Kensington lock slot</i>
			<i>with bag(backpack)</i>



Section VII. Technical Specifications



Technical Specifications

Item #	Unit	Qty	Description	Statement of Compliance
1	pc	5	1000W Automatic Voltage Regulator	[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, pictures 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.].
			1000W, Servo motor type, 2-universal outlets (220V), 1-universal outlet (110V).	
2	pc	20	2.5" Internal Solid State Drive (SSD)	
			Specifications:	
			at least 500 GB, SATA III, sequential read speed up to 560 MB/s, sequential write speed up to 530 MB/s	
3	pc	5	24-inch Desktop Monitor	
			23.8" Full HD (1920x1080), 100 Hz, IPS, VESA-wall mountable, low blue light filter, and flicker-free technology	
			Accessories: power cable, HDMI cable.	
4	set	1	3D PRINTER	
			Technical Specifications:	
			●Extrusion Tech: Independent Dual Direct Drive Metal Extruder (IDEX)	
			●Build Size: 300mm x 300mm x 400mm	
			●Build Plate Size: 310mm*320mm	
			●Printer Size: 653mm*625mm*803mm (Including the filament holder)	
			●Package Size: 730mm*710mm*310mm	
			●Net Weight: 15kg ●Printing Accuracy: ±0.1mm	
			●Positioning Accuracy: X/Y: 0.012mm, Z: 0.001mm	
			●Supported Print Materials: PLA, TPU, TPE, HIPS, ABS, PETG, WOOD, PC, PA, PVA, ASA	
			●Print Speed: 20~120mm/s (suggested 60mm/s)	
			●Stock Nozzle Diameter: 0.4 mm	
			●Operational Extruder Temperature: Max 260°C	
			●Operational Hotbed Temperature: Max 100°C	
			●Input Formats: STL, OBJ, DAE, AMF	
			●Ambient Operating Temperature: 8°C-40°C	
			●Connectivity: SD Card or Data Cable	
			●7 Step Motors: 42-40 Step Motor*1, 42-34 Step Motor*4, 42-29 Step Motor*2	
5	pc	1	3-in-1 Printer	
			Power Consumption: 13 Watt, 3.8 Watt (Standby)	
			Product dimensions: 482 x 300 x 145 mm (Width x Height x Depth)	
			Colour: Black	
			Printer Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64	



			Scanner Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64
			Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64
			Print Speed (Black & White): 9 pages/minute
			Print Speed (Colour): 4 pages/minute
			Number of Cartridges: 4
			Built-in Scanner: Available
			A4: Available
			Letter: Available
			A5: Available
			USB Port: Available
6	pc	3	5000W Automatic Voltage Regulator
			5000W, 220V, Servo motor type;
7	unit	1	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF
			☑ Compact integrated tank design
			☑ Print speeds up to 15ipm for black and 8.0ipm for colour
			☑ Auto-duplex printing Fax and ADF capability / Ethernet &
			☑ Wi-Fi Direct
			☑ Borderless Printing up to A4 size
			☑ Spill-free ink refilling
			☑ Control Panel: 2.4 " Colour LCD Touch Panel
8	pc	2	All-in-One Ink Tank Printer with ADF
9	unit	3	Automatic Voltage Regulatory (AVR), 1500W, heavy duty
			☑ Input: 220volts
			☑ Power: 1500watts
			☑ Output: 110-220 volts
			☑ Range voltage 120v-220 volts
			☑ Servo motor controlled
10	pc	13	Cisco VOIP phone
			Cisco CP-7821-3PCC or Cisco CP-6821-3PCC
			2 channels with power supply (Existing VSU IPPhone Fleet)
11	set	11	Computer Monitor 24", IPS, Bezel-less Full HD Monitor
			☑ Panel Type: IPS
			☑ Brightness(Typical): 250cd/ m ²
			☑ Brightness(Min): 200cd/ m ²



			<ul style="list-style-type: none"> ☑ Contrast Ratio Static: 1000:1 (typical) ☑ Dynamic Contrast Ratio: MegaFlat ☑ Resolution: 1920x1080 ☑ Response Time: 5ms (GTG) ☑ Max Color Support: Max 16.7M ☑ Max Refresh Rate: Max 75Hz ☑ Interface: D-sub(x1), HDMI(x1)
12	unit	2	<p>Computer Printer, All-in-One/Multifunction Colored-Ink Tank</p> <ul style="list-style-type: none"> ☑ Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour ☑ Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles ☑ Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices ☑ 3-in-1: Print, copy & scan and borderless photo printing ☑ Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color ☑ Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology ☑ Ink Technology: Dye Ink ☑ Printing Resolution: 5,760 x 1,440 DPI
13	set	1	<p>Desktop Computer (i3, 11th Gen)</p> <ul style="list-style-type: none"> Processor: Intel Core i3-11300 (4cores/8threads) or higher Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 8GB DDR4 2933 DIMM Desktop Memory or higher SSD: 240GB NVMe or higher Keyboard and Mouse Combo Casing with Power Supply Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m² / Refresh Rate: 60 Hz, Operating System: Genuine Windows 10 Home (OEM) AVR: 500W IC controlled
14	unit	5	<p>Desktop computer unit only (ready to use)</p> <ul style="list-style-type: none"> Fully assembled with motherboard and case; Drivers and Windows 10/11 (64-bit) OS installed, with power cable, ready to use. Processor: 6 cores, 12 threads, 3.9-4.4 GHz, Multithreading, 16 MB L3 cache, with integrated graphics, compatible with Windows 11 (64-bit), compatible with PCIe 3.0.



			RAM: 2 x 8GB (at least 3000 MHz)
			Storage: at least 480GB, NVMe M.2, PCIe Gen 4.0
15	unit	2	Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor
			☑Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher
			☑Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher
			☑RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher
			☑SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher
			☑Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm
			☑Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0
			☑OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6
			☑PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher
16	set	1	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD
			☑Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher
			☑Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher
			☑RAM: 16GB DDR4 3200 Mhz or higher
			☑SSD: 512 GB NVMe PCIe Gen 3x4
			☑HDD: 1 TB 7200 RPM
			☑PSU: 650w 80 plus Bronze Certified
			☑Casing: mATX Casing with transparent acrylic side panel
			☑24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate
			☑Keyboard and Mouse Combo: Spill-resistant



			<i>design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse</i>
			☑ <i>Operating system: Genuine Windows 11</i>
17	set	1	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM
			☑ <i>Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher</i>
			☑ <i>Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher</i>
			☑ <i>Operating System: Genuine Windows 11 Home 64</i>
			☑ <i>Memory: 8 GB DDR4-3200MHz (UDIMM) or higher</i>
			☑ <i>Graphics: Integrated Graphics</i>
			☑ <i>SSD: 256 GB SSD M.2 2280 PCIe or higher</i>
			☑ <i>Casing: mATX casing</i>
			☑ <i>Power supply: at least 450W, True Rated 80+ Bronze</i>
			☑ <i>Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz</i>
18	unit	3	Digital Voice Recorder
			<i>Built-in USB Black</i>
			<i>Micro card slot</i>
			<i>Stereo mic-in jack</i>
			<i>Stereo earphone jack</i>
19	set	1	DJ Controller
			☑ <i>4-deck layering DJ controller</i>
			☑ <i>(6) Fun, quick-launch effects with dual paddle triggers</i>
			☑ <i>Large 6-inch, high-resolution capacitive-touch jog wheels with color displays</i>
			☑ <i>Dedicated instant loop control with multiplier buttons</i>
			☑ <i>Full 3-band EQ and filter knobs to create audio sweeps</i>
			☑ <i>(8) Performance pads per deck to access cues, loops, fader cuts and samples</i>
			☑ <i>24-bit audio output</i>
			☑ <i>Microphone input, RCA output and headphone output</i>
20	btl	10	Epson 001 ink, Black, 127ml, Genuine
21	btl	10	Epson 001 ink, Cyan, Genuine
22	btl	6	Epson 001 ink, Magenta, Genuine
23	btl	10	Epson 001 ink, Yellow, Genuine
24	pc	5	Full layout wired Keyboard



			<i>Full layout (100%, at least 104 keys), USB 2.0 1000Hz, 19-keys-rollover anti-ghosting, 5-zone RGB lighting.</i>
25	unit	1	Hard Drive, External, 2TB, USB 3.0, 5.0 Gbit/s Transfer Rate or Better
26	pc	1	HDMI Cable, 10m
			☑10 meters
			☑Nylon braided
			☑1.4 version 3D support
			☑Support all high resolutions including 480p, 720p, 1080p and 1180p.
			☑Multi -channel digital audio with a 10.2 Gbps bandwidth
			☑HDMI AV cable for HDTV
			☑HDMI EMI/RFI Compliant Cable
			☑24k GOLD plated HDMI plugs
			☑ROHS compliant cable.
27	pc	20	HDMI to HDMI Cable 3 meters
28	pc	4	HDMI to HDMI cable, 20 meters
			<i>Length: 20 Meters</i>
			<i>High Quality Pure Copper</i>
			<i>HDMI Male to HDMI Male</i>
			<i>Transfers at speeds up to 10.2 Gbps</i>
			<i>Gold plated 19 pin HDMI connectors; oxygen-free copper cable</i>
			<i>PVC jacket with high visibility nylon braiding</i>
29	unit	2	Headphone, Professional, Studio Grade,
			☑Type: Closed-back dynamic
			☑Driver Diameter: 40 mm
			☑Frequency Response: 15 - 24,000 Hz
			☑Maximum Input Power: 1,600 mW at 1 kHz
			☑Sensitivity: 98 dB
			☑Impedance: 35 ohms
			☑Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable
			☑Cable - Detachable: Yes
			☑Magnet: Neodymium
			☑Voice Coil: CCAW (Copper-clad aluminum wire)
			☑Folding/collapsible: Yes
			☑Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter
30	btl	21	Ink, Epson 003,Genuine Black 65mL
31	btl	15	Ink, EPSON 003,Genuine Cyan 65mL
32	btl	15	Ink, EPSON 003,Genuine Magenta 65mL
33	btl	15	Ink, EPSON 003,Genuine Yellow 65mL
34	pc	6	Ink, Epson, genuine (C) T664, 70 ml



35	pc	7	Ink, Epson, genuine (M) T664, 70 ml
36	pc	9	Ink, Epson, genuine, (BK) T664, 70 ml
37	pc	6	Ink, Epson, genuine, (Y) T664, 70 ml
38	set	2	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
39	unit	1	Laptop 14" (i3)
			☐Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher
			☐Operating System : Windows 10 Home
			☐Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher
			☐Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC
			☐Graphics : Integrated Intel UHD Graphics
			☐Storage : 512GB PCIe Gen3 x2 SSD or higher
			☐Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0
			☐Battery : 2 -Cell 32 Wh lithium-polymer battery with bag(backpack)
40	unit	1	Laptop, 12th Gen i5, 8GB RAM
			Processor: 12th Generation Intel® Core™ i5-12450H Processor (E-cores up to 3.30 GHz P-cores up to 4.40 GHz) or higher
			Operating System: Windows 11 Home 64 Single Language
			Graphic Card: Integrated Graphics
			Memory: 8 GB LPDDR5-4800MHz or higher
			Storage: 512 GB SSD M.2 2242 PCIe Gen4 TLC or higher
			Display: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel
			Camera: 1080P FHD with Dual Microphone



			Battery: 3 Cell Li-Polymer 56.6Wh
			AC Adapter / Power Supply: 65W USB-C 90% PCC 3pin AC Adapter - US
			Fingerprint Reader: No Fingerprint Reader with bag(backpack)
41	unit	9	LCD Projector (XGA), 3LCD Technology
			☐Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology
			☐White Light Output (Normal/Eco):3,600 lm
			☐Colour Light Output:3,600 lm
			☐Resolution XGA, at least 1024 x 768,
			☐Analog Input:D-Sub 15pin: 1
			☐Digital Input:HDMI: 1
			☐LCD:Native Resolution: XGA (1024 x 768)
			☐Size: 0.55" (C2fine)
			☐Lightsource:Type: 210W UHE
			☐Life (Normal / Eco): 6,000 / 12,000 hours
			☐Aspect Ratio:4:3
			☐USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings)
			☐Analog Input:D-Sub 15pin: 1
			☐Digital Input:HDMI: 1
42	lot	1	LCD Projector SVGA
			3 units of LCD Projector
			☐Projection System: 3LCD Technology, RGB liquid crystal shutter
			☐Resolution: SVGA (800x600), 4:3
			☐Light Output: 3,300 Lumen- 2,050 Lumen (economy)
			☐Contrast Ratio: 15,000:1
			☐Lamp: 210 W
			☐Lamp Hours: 6,000-10,000
			With projector screen each
43	unit	2	LCD Projector, 3LCD Technology
			Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology
			White Light Output (Normal/Eco):3,600 lm
			Colour Light Output:3,600 lm
			Resolution XGA, at least 1024 x 768,
			Analog Input: D-Sub 15pin: 1
			Digital Input: HDMI: 1
			LCD: Native Resolution: XGA (1024 x 768)
			Size: 0.55" (C2fine)
			Light source: Type: 210W UHE
			Life (Normal / Eco): 6,000 / 12,000 hours
			Aspect Ratio:4:3
			USB Interface: USB Type B: 1 (For Firmware



			Update, Copy OSD Settings)
			Analog Input: D-Sub 15pin: 1
			Digital Input: HDMI: 1
44	unit	4	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
45	unit	1	Multi-Function Business Inkjet Color Printer
			Specs:
			Print, Scan Copy, Fax
			Inkjet Printer
			530 mm x 398 x 304 mm
			Up to 22 (monochrome) /20 (color) ipm (Based on ISO/IEC 24734*)
			Up to 35 (monochrome) / 27 (color) ppm (Based on Fast Mode)
46	pc	1	Presentation Clicker/Pointer
			R400 2.4 GHz USB-Receiver Red Laser Pointer Wireless Presentation Remote
47	unit	1	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



			<ul style="list-style-type: none"> ☐A4 plain paper: 20 sheets, Premium Glossy Photo Paper
			<ul style="list-style-type: none"> ☐Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")
			<ul style="list-style-type: none"> ☐Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			<ul style="list-style-type: none"> ☐Print Direction: Bi-directional printing
			<ul style="list-style-type: none"> ☐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
48	pc	1	Printer, Wi-Fi Duplex All-in-One Ink
			Printer Type:Print, Scan, Copy
			Print Method:On-demand inkjet (piezoelectric)
			Printer Language:ESC/P-R, ESC/P Raster
			Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)
			Maximum Resolution:5760 x 1440 dpi
			Automatic 2-sided Printing:Yes (Up to A4)
			Scanner Type:Flatbed colour image scanner
			Sensor Type:CIS
			Optical Resolution:1200 x 2400 dpi
			USB:USB 2.0
			Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
			Network Protocol:TCP/IPv4, TCP/IPv6
			LCD Screen:1.44" Colour LCD Screen
49	pc	3	Projector Screen 100-inch pull up projector screen with stand
50	pc	1	RAM DDR3
			RAM
			DDR3
			8GB, 1600Mhz
51	unit	13	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
52	unit	1	SDS: 8417M Micro Cut Paper Shredder
			Paper Shredder
			Features:
			- Sheets / Pass: 17 Pages
			- Cut Type: Micro-Cut
			- Cut Size: 2mmx10mm
			- Security: High Security Level Din-P-5
			- Users: 5+
			- Bin Size: 26L



			- Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening
			- Shreds: Paper, staples, paper clips, CDs, credit cards
			- Warranty: 1 Year
			- LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels
			What's in the box
			1 x Shredder
			1 x Manual
53	pc	1	Solid State Drive, 500GB, 2.5", SATA
			*Read Speed: 560 MB
			*Write Speed: 530MB
			*5 year limited warranty
			*Compatible with Laptop and desktop
54	pc	3	Sony Electret Condenser Microphone for lapel mic
			3.5 mm connector, Compatible with existing device
55	btl	2	Toner MP 2014H NRG Brand
			MP2014H Series/MP2700/MP2701;
56		10	Uninterruptible Power Supply (UPS)
			1000VA / 600 Watts, Line interactive with AVR, 4 outlets
57	unit	1	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
58	unit	2	UPS 650VA-360W Uninterruptible Power Supply
			Quick Specs: 4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection, Easy to use
			Output Capacity: 650VA/360W
			Output (on battery): 230V +/- 10%, 50/60Hz +/- 1Hz
			Input Voltage Range: 140V-300V, 50/60Hz +/- 5Hz (auto sensing)
			Surge: 156 J
			Battery recharge time: 8 hours
			No. of Outlets: 4 NEMA 5-15R Battery Backup Outlets
			Dimension: 14.2 cm x 10.1 cm x 30 cm
			Battery Type: Lead-Acid



59	unit	1	UPS Battery Backup, 1500VA
			☑ Capacity: at least 1500VA/900w
			Output voltage: 220
			Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains)
			Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum
			Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing
			☑6 battery backup sockets
			☑USB, coax, phone/network, and serial ports
			☑ with Automatic Voltage Regulation (AVR)
			☑LCD screen
			☑at most 4 hours charging time
60	lot	1	UPS with Built-in AVR
			4 units of UPS with built-in AVR
			Description:
			-CPU controlled
			-Advanced AVR technology
			-Surge protection
			-Battery backup
			-Auto charge in power off mode
			-Overload and short circuit protection
			-Resettable Fuse on back panel
			-LCD display and Audible alarm
			-3000VA
			-4 Outlets
			-Up to 120 Minutes Runtime
			-AVR
			Specifications:
			Input:
			Voltage: 220V
			Voltage Range: 175-275V
			Frequency: 50Hz/60Hz
			Output:
			Capacity (Total): 3000VA/1800W
			Voltage (On Battery): 220V+-5%
			Frequency: 50Hz/60Hz Sync with Utility Power
			Transfer Time: 2-6ms Typical
			Wave Form: Simulated Sine Wave
			Connection: Universal Outlet x4
			Battery:
			Type: Maintenance-Free Sealed Lead-Acid
			Capacity: 12v/9AHx4
			Recharging Time: 8Hours > 90%
			Back up Time (1PC): Up to 120 minutes (Depending on Load)
61	unit	2	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
62	unit	1	VOIP Phone
			Audio Features
			• HD voice: HD handset, HD speaker
			• Smart Noise Filtering
			• Narrowband codec: PCMU (G.711A), PCMA (G.711μ), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC
			• DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
			• Full-duplex hands-free speakerphone with AEC
			• VAD, CNG, AEC, PLC, AJB, AGC
			Phone Features
			• 2 VoIP accounts
			• Call hold, mute, DND
			• One-touch speed dial, hotline
			• Call forward, call waiting, call transfer
			• Group listening, SMS, emergency call
			• Redial, call return, auto answer
			• Local 5-way conferencing
			• Direct IP call without SIP proxy
			• Ring tone selection/import/delete
			• Set date time manually or automatically
			• Dial plan
			• XML Browser, action URL/URI
			• Integrated screenshots
			• RTCP-XR, VQ-RTCPXR
			• Enhanced DSS Key
			Directory
			• Local phonebook up to 1000 entries
			• Black list
			• XML/LDAP remote phonebook
			• Smart dialing
			• Phonebook search/import/export
			• Call history: dialed/received/missed/forwarded
			IP-PBX Features
			• Busy Lamp Field (BLF), Bridged Line Appearance (BLA)
			• Anonymous call, anonymous call rejection
			• Hot-desking, voice mail
			• Flexible seating



			• Call park, call pickup
			• Executive and Assistant
			• Centralized call recording
			• Visual voice mail
			• Call recording
			<i>Display and Indicator</i>
			• 2.3" 132x64-pixel graphical LCD with backlight
			• LED for call and message waiting indication
			• Dual-color (red or green) illuminated LEDs for line status information
			• Intuitive user interface with icons and soft keys
			• Multilingual user interface
			• Caller ID with name and number
			• Power saving
			<i>Feature keys</i>
			• 2 line keys with LED
			• 6 features keys: transfer, message, headset, redial, mute, hands-free speakerphone
			• 5 navigation keys
			• Volume control keys
			<i>Interface</i>
			• Dual-port Gigabit Ethernet
			• Power over Ethernet (IEEE 802.3af), class 1*
			• 1 x RJ9 (4P4C) handset port
			• 1 x RJ9 (4P4C) headset port
			<i>Other Physical Features</i>
			• Color: Classic Grey
			• Wall mountable
			• External Yealink AC adapter AC 100-240 V input and DC 5 V/0.6 A output
			• Power consumption (PSU): 2-3 W
			• Power consumption (PoE): 3-4 W
			• Dimension (W x D x H x T): 188 x 189 x 162 x 50 mm
			• Operating humidity: 10-95%
			• Operating temperature: -10 to +45°C (+14 to 113°F)
			• Storage temperature: -30 to +70°C (-22 to +158°F)
			<i>Management</i>
			• Configuration: browser/phone/auto-provision
			• Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy
			• Auto-provision with PnP
			• Zero-sp-touch, TR-069
			• Phone lock for personal privacy protection
			• Reset to factory, reboot



			<ul style="list-style-type: none"> • Package tracing export, system log
			Network and Security
			• SIP v1 (RFC2543), v2 (RFC3261)
			• Call server redundancy supported
			• NAT traversal: STUN mode
			• Proxy mode and peer-to-peer SIP link mode
			• IP assignment: static/DHCP
			• HTTP/HTTPS web server
			• Time and date synchronization using SNTP
			• UDP/TCP/DNS-SRV (RFC 3263)
			• QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
			• SRTP for voice
			• Transport Layer Security (TLS 1.3)
			• HTTPS certificate manager
			• AES encryption for configuration file (AES256)
			• Digest authentication
			• OpenVPN, IEEE802.1X, L2TP VPN
			• IPv6
			• LLDP/CDP/DHCP VLAN
			• ICE
			• WPA2/WPA3
			• Secure boot
			• GARP (Generic Attribute Registration Protocol)
			NOTE: Must be compatible with existing Yearstar S300 Server for auto provisioning
63	pc	5	Wired Mouse
			200-8000 DPI with DPI button, with 2 thumb buttons.
64	unit	50	Biometrics Machine
			Face Recognition/Fingerprint Time Attendance Recorder
			High-Speed Identification Less than 1 second
			TCP/IP Port for Internet Connection
			Access Port Available to control one lock and exit button
			Easy to install and user friendly
65	pc	3	Voice Recorder
			Built-in, Direct USB connection for quick file transfer to PC
			Expand memory with the micro SD card slot Up to 55 hours of battery life for extended recording Adjustable microphone range for clearer voices Auto voice recording reduces background noise size AAA alkaline batteries (2)
			Just plug straight into a free USB port for an immediate connection—no USB cable needed.



66	unit	1	Laptop, Intel Core i7-13700H, OS: Windows 11 Pro
			<i>CPU: Intel Core i7-13700H OS: Windows 11 Pro (licensed)</i>
			<i>RAM: 16GB (2x 8GB), DDR5, 4800MHz</i>
			<i>Storage: 1TB M.2 PCIe NVMe SSD</i>
			<i>GPU: NVIDIA GeForce RTX 4050, 6GB, GDDR6 Display: 15.6" FHD+ (1920 x 1080), Non-Touch, Anti-Glare, 500units, Infinity Edge</i>
			<i>Ports: 1 USB 3.2 Gen 2 Type-C port with DisplayPort, 2 Thunderbolt 4 (USB Type-C 3.2 Gen 2) Ports, 1 Headset (Headphone and microphone combo) Port, 1USB-C to USB-A v3.0 & HDMI V2.0 adapter (include in the box)</i>
			<i>Slots: 1 SD Card slot, 1 Wedge-shape lock slot Camera: 720p at 30 fps, HD camera & dual-array microphones</i>
			<i>Battery: 6 Cell, 86Wh, Integrated Power: 130W type-C Adapter</i>
			<i>MS Office: MS Office 2021 Professional</i>
			<i>One year warranty on parts and services. Local authorized service provider should be available and identified/provided for in the BID offer.</i>
			<i>Freebies: Laptop Bag</i>
			Rebidding - VSU-GOODS-23-46
67	unit	1	Android Smartphone
			☑ <i>Specification:</i>
			<i>—Chipset: Mediatek Helio G80 (12 nm)</i>
			<i>—Operating system: Android 10</i>
			<i>—ROM: at least 32 GB</i>
			<i>—RAM: at least 3GB</i>
			<i>—Screen Type: IPS LCD, at least 400 nits</i>
			<i>—Camera Front : at least 8 MP</i>
			<i>—Primary(Back) Camera Resolution at least 13MP</i>
			<i>—Resolution: at least 1080 x 2340 pixels</i>
			<i>—SIM: Dual SIM (Nano-SIM, dual stand-by)</i>
68	unit	1	Camera with 28-70 mm Zoom Lens
			<i>Product Specification:</i>
			<i>Lens</i>
			<i>Lens Mount: E-mount</i>
			<i>Image Sensor</i>
			<i>Aspect Ratio: 3:2</i>
			<i>Number Of Pixels (Effective): Approx. 24.2 megapixels</i>
			<i>Number of Pixels (total): Approx. 25.3 megapixels</i>
			<i>Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor</i>
			<i>Anti-Dust System: Charge protection coating on</i>



			<i>optical filter and image sensor shift mechanism</i>
			<i>Recording (still images)</i>
			<i>Image Size (pixels) [16:9]: 35 mm full frame L: 6000 x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 (5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)</i>
			<i>Image Size (pixels) [Sweep Panorama]</i>
			<i>Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome</i>
			<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>
			<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>
			<i>Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))</i>
			<i>Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color</i>
			<i>14bit RAW: Yes</i>
			<i>Uncompressed RAW: Yes</i>
			<i>Recording (movie)</i>
			<i>Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant</i>
			<i>Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color</i>
			<i>Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key</i>
			<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>
			<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3),</i>



			<i>Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>
			<i>Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)</i>
			<i>Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)</i>
			<i>Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</i>
			<i>Slow and quick motion (recording frame rate and image size) : NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)</i>
			<i>Movie Functions: Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist</i>
			<i>Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit</i>
			<i>Recording System</i>
			<i>Location information Link from smartphone: Yes</i>
			<i>Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card</i>
			<i>Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card</i>
			<i>Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie),</i>



			Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy
			Noise Reduction
			Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off
			Multi Frame NR
			White balance
			White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom
			AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step
			Priority Set in AWB: Yes
			Bracketing: 3 frames, H/L selectable
			Focus
			Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF) ²
			Focus Sensor: Exmor R [®] CMOS sensor
			Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)
			Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
			Focus Mode: AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
			Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) /Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)
			Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.
			AF Illuminator: Yes (with built-in LED type)
			AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)
			Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)
			Exposure



			<i>Metering Type: 1200-zone evaluative metering</i>
			<i>Viewfinder</i>
			<i>Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED</i>
			<i>Number of Dots: 2,359,296 dots</i>
			<i>Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)</i>
			<i>Color Temperature Control: Manual (5 steps)</i>
			<i>Field Coverage: 100%</i>
			<i>Magnification: approx. 0.78 x (with 50mm lens at infinity, -1m-1)</i>
			<i>Diopter Adjustment: -4.0 to +3.0 m-1</i>
			<i>Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)</i>
			<i>Finder Frame Rate Selection</i>
			<i>Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram</i>
			<i>LCD Screen</i>
			<i>Monitor Type: 7.5 cm (3.0-type) type TFT</i>
			<i>Number of Dots: 921,600 dots</i>
			<i>Touch Panel: Yes</i>
			<i>Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode</i>
			<i>Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees</i>
			<i>Display Selector (Finder/LCD): Yes (Auto/Manual)</i>
			<i>Real-time Image Adjustment Display (LCD): On/Off</i>
			<i>Quick Navi: Yes</i>
			<i>Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)</i>
			<i>Zebra: Yes (selectable level + range or lower limit as custom setting)</i>
			<i>Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)</i>
			<i>Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</i>
			<i>Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off</i>
			<i>Other Features</i>
			<i>PlayMemories Camera Apps™</i>
			<i>Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)</i>
			<i>Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still</i>



		images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x
		Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8
		Self-Portrait Self-Timer
		Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate
		Eye-Fi ready
		Shutter
		Type: Electronically-controlled, vertical-traverse, focal-plane type
		Shutter Type
		Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
		Flash Sync. Speed: 1/250 sec.3
		Electronic Front Curtain Shutter: Yes (ON/OFF)
		Silent Shooting: Yes (ON/OFF)
		Image Stabilization
		Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)
		Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)
		Flash Control
		Control: Pre-flash TTL
		Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\
		Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.
		Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4
		External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe
		FE Level Lock: Yes



			<i>Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)</i>
			<i>Drive</i>
			<i>Drive Modes: Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket</i>
			<i>Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5</i>
			<i>No. of recordable frames (approx.): JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5</i>
			<i>Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer</i>
			<i>Playback</i>
			<i>Photo Capture: Yes</i>
			<i>Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp</i>
			<i>Interface</i>
			<i>PC Interface: Mass-storage, MTP, PC remote</i>
			<i>Multi/micro USB terminal: Yes</i>
			<i>USB Type-C® Terminal: Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)</i>
			<i>NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing</i>
			<i>Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV</i>
			<i>HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB</i>
			<i>Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4</i>



			GHz band))
			Auto-lock Accessory Shoe
			Multi Interface Shoe: Yes
			Smart Accessory Terminal 2
			Mic Terminal: Yes (3.5 mm Stereo minijack)
			DC IN Terminal
			Sync Terminal
			Headphone Terminal: Yes (3.5 mm Stereo minijack)
			Vertical Grip Connector: Yes
			PC Remote: Yes
			LAN Terminal
			Print
			Compatible Standards: Exif Print, Print Image Matching III, DPOF setting
			Custom function
			Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set
			Lens Compensation
			Setting: Peripheral Shading, Chromatic Aberration, Distortion
			Power
			Supplied Battery: One rechargeable battery pack NP-FZ100
			Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard) ⁸
			Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard) ⁹ ¹⁰
			Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard) ⁹ ¹¹
			Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
			Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
			Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
			USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
			Size & Weight
			Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)



			<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>
			<i>Audio</i>
			<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>
			<i>Speaker: Built-in, monaural</i>
			<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>
69	unit	2	Compact Document Scanner
			<i>25ppm/50ipm, 2-sided colour scan speed</i>
			<i>20 sheets Automatic Document Feeder (ADF)</i>
			<i>Portable with micro-B USB3.0 Bus power</i>
			<i>Dedicated plastic ID card slot</i>
			<i>Scan to PC and USB host</i>
			<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>
			<i>Document Size-Multiple Papers-Width:51mm to 215.9 mm</i>
			<i>Document Size-Multiple Papers-Length:70mm to 863mm</i>
			<i>Document Size-Single Papers-Width:51mm to 215.9mm</i>
			<i>Document Size-Single Papers-Length:70mm to 863mm</i>
			<i>Colour/Black: Yes/Yes</i>
			<i>Duplex Scan: Yes</i>
			<i>Color Depth - Input: 48-bit colour processing</i>
			<i>Color Depth - Output: 24-bit colour processing</i>
			<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>
			<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>
			<i>Scanning Width: Max 216mm</i>
			<i>Grayscale: 256 levels</i>
			<i>Memory Capacity: SDRAM: 256 MB</i>
			<i>ADF: up to 20 sheets</i>
			<i>Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0</i>
70	unit	12	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C
			<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>
71	unit	1	NETBOOK
			<i>PROCESSOR INTEL 4th GENERATION PROCESSOR or higher</i>
			<i>PROCESSOR MODEL INTEL CORE i3/i5/i7</i>



			STORAGE CAPACITY 16GB or higher
			SOLID STATE DISK CAPACITY 512GB or higher
			MECHANICAL HARD DISK CAPACITY 500GB HDD or higher
			SCREEN SIZE 15.6 INCHES - 14 INCHES
72	pc	3	SD Card, 1 TB
			U3 4K C10 V30
			Capacity: 1 TB
			Compatibility: Compatible with microSDHC/SDXC, SDHC UHS-I/microSDXC UHS-I supporting host devices
			Sequential Read Performance: 200MB/s
			Sequential Write Performance: 140MB/s
			Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm
73	set	1	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti
			Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock, 4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher
			☑Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher
			☑Graphics: GTX 1660 ti
			☑Monitor: 24"
			☑Memory: 16GB DDR4 3200MHZ(8+8) or higher
			☑Storage: 512g SSD M2 or higher
			☑Storage: 1TB HDD
			☑Keyboard and Mouse
			☑Audio: HD audio Realtek
			☑Operating System: Genuine Windows 10 or higher
74	box	4	Toner Cartridge, HP 85A CE285A, Black
			HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w
			HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C
75	lot	1	1 Lot Network Infrastructure (Miscellaneous)
			Network IP Phones:
			3 units
			Cisco CP-6821 (same existing fleet of VSU IP Phones)
			IP Network Camera:



			5 units
			<i>Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)</i>
			<i>3M Volition (Same fleet of VSU existing) Face plate with module, flush type</i>
			<i>*2 Ports Face plate with RJ-45 Module Cat 6</i>
			25 sets
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top or bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>*1 Port Face plate with RJ-45 Module Cat 6</i>
			25 sets
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top to bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>Granding FA1-H Biometric System (Same with existing VSU fleet)</i>
			2 units
			<i>Biometric System, finger print and facial recognition</i>
			<i>Built-in backup battery</i>
			<i>Network port</i>
76	lot	1	1 Lot Network Switches
			6 units
			<i>Network Switches:</i>
			<i>Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)</i>
			<i>*PoE, PoE+ (370watts)</i>
			<i>*24 ports</i>
			<i>*Up to 104 Gbps capacity</i>
			<i>*Layer 2</i>
			<i>*Fast Ethernet, 1GbE</i>



			*Lifetime Warranty
77	lot	1	1 Lot Network Switches (2)
			2 units
			Network Switches:
			HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)
			PoE, PoE+ (370 watts)
			24 ports
			Up to 176 Gbps Switching capacity
			Layer 2 with Static and RIP
			1G, SFP, SFP+
			Lifetime Warranty
78	roll	3	UTP Cable (305 meters), CAT 6 23 AWG
			☐UTP Cable cat6
			☐Cat 6 Cable UTP Unshielded AWG23
			☐Gray Data LAN Cable
			☐1000 feet 305m 1000ft.
			☐must be UL listed & ISO certified cable
79	unit	1	External Hard Disk Drive (Portable, 2TB), USB
			☐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
80	pc	4	DJI Inspire 2 TB50 Intelligent Flight Battery
81	pc	2	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh
82	set	8	Computer Monitor 24", IPS, Bezel-less Full HD Monitor
			☐Panel Type: IPS
			☐Brightness(Typical): 250cd/ m ²
			☐Brightness(Min): 200cd/ m ²
			☐Contrast Ratio Static: 1000:1(typical)
			☐Dynamic Contrast Ratio: MegaFlat
			☐Resolution: 1920x1080
			☐Response Time: 5ms(GTG)
			☐Max Color Support: Max 16.7M
			☐Max Refresh Rate: Max 75Hz
			☐Interface: D-sub(x1), HDMI(x1)
83	unit	15	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
84	unit	10	Universal HDMI to VGA Adapter Cable, at least 1.8 meters
85	unit	1	Laptop
			Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher
			16GB RAM or higher
			512GB M.2 NVMe PCIe 3.0 SSD or higher
			16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate
			NVIDIA Geforce RTX 3050 4GB Laptop GPU 4GB GDDR6
			Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card
			Windows 11 Home
			with bag(backpack)
86	unit	1	Laptop
			Operating System: Windows 11 Home Single Language
			Operating System Architecture 64-bit
			Processor: Intel Core™ i5 -12500H or higher
			Processor Speed 2.50 GHz
			Processor Core Dodeca-core (12 Core™)
			Processor Generation 12th Gen
			Graphics Controller Manufacturer: NVIDIA®
			Graphics Controller Model GeForce® RTX™ 3050
			Graphics Memory Capacity 4 GB GDDR6
			Graphics Memory Accessibility
			Dedicated
			GPU Boost Clock Up to 1600 MHz
			Maximum Graphics Power Up to 95 W
			Screen Size: 39.6 cm (15.6")
			Display Screen Type: LCD
			Backlight Technology: LED
			Screen Resolution: 1920 x 1080
			Standard Refresh Rate: 144 Hz
			Total Installed System Memory: 8 GB DDR4 SDRAM
			Total Solid State Drive Capacity ; 512 GB
			Solid State Drive Interface
			PCI Express
			Wireless LAN Standard
			IEEE 802.11 a/b/g/n/ac/ax



			<i>Wireless LAN Model</i>
			<i>Wi-Fi 6 AX 1650i</i>
			<i>Ethernet Technology</i>
			<i>Gigabit Ethernet</i>
			<i>Bluetooth 5.1 or above</i>
			<i>Built-in Devices</i>
			<i>Microphone</i>
			<i>Number of HDMI Outputs: 1</i>
			<i>Number of USB 3.2 Gen 1 Type-A Ports: 1</i>
			<i>Number of USB 3.2 Gen 2 Type-A Ports: 2</i>
			<i>Number of USB 3.2 Gen 2 Type-C Ports:1</i>
			<i>Total Number of USB Ports:4</i>
			<i>USB Type-C, USB Type-C Detail</i>
			<i>USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W</i>
			<i>Network (RJ-45)</i>
			<i>Pointing Device Type</i>
			<i>TouchPad</i>
			<i>Keyboard Backlight</i>
			<i>TouchPad Features</i>
			<i>Multi-touch Gesture</i>
			<i>4-cell Lithium Ion (Li-Ion) Battery</i>
			<i>Maximum Power Supply Wattage 180 W</i>
			<i>Product Color Obsidian Black</i>
			<i>Package Contents</i>
			<i>Nitro 5 AN515-58-50YE Gaming Notebook</i>
			<i>Lithium Ion Battery</i>
			<i>AC Adapter</i>
			<i>Security Features</i>
			<i>Firmware Trusted Platform Module (TPM) solution</i>
			<i>Kensington lock slot</i>
			<i>with bag(backpack)</i>



***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);

Technical Documents

- (b) Statement of the prospective bidder of all its on-going 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**
- (c) 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 Two Million One Hundred Ninety Thousand Four Hundred Sixty Nine and 50/100 Pesos (PhP 2,190,469.50)*;

or

Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 25% of the ABC* or *at least Two Million One Hundred Ninety Thousand Four Hundred Sixty Nine and 50/100 Pesos (PhP 2,190,469.50)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least One Million Ninety Five Thousand Three Hundred Twenty Four and 75/100 Pesos (PhP 1,095,324.75)*; **and**

- (d) 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**

- (e) Conformity with the Technical Specifications; **and**
- (f) Schedule of Requirements/production and delivery schedule; **and**
- (g) Manpower requirements; **and**
- (h) After-sales service/parts; **and**

- (i) 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

- (j) 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**

- (k) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 4,381,299.00**);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu



of its NFCC computation (at least 10% of ABC or **PhP 438,129.90**).

II. FINANCIAL COMPONENT ENVELOPE

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

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

1. Scan per file 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. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
5. Bid Security	Bid Security
6. Technical Specifications	Technical Specifications
7. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
8. Manpower Requirements	Manpower Requirements
9. After Sales service/parts	After Sales
10. Omnibus Sworn Statement	Omnibus Sworn Statement
11. Audited Financial Statements	Audited Financial Statements
12. Net Financial Contracting Capacity	NFCC
13. Committed Line of Credit	CLC
14. Bid Form	Bid Form
15. 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 (April 16, 2024; 8:30 AM).

