

UNIVERSITY OF THE PHILIPPINES BAGUIO

Governor Pack Road, Baguio City

BID BULLETIN NO. 01

BID REFERENCE NO: UPB-BID-2022-05

This *Bid Bulletin* for the Project *Supply, Delivery and Installation of Various Genuine IT Equipment and Accessories for UP Baguio* is issued to clarify, modify and/or amend the item in the Bidding Documents.

REFERENCE	AMENDMENT/ CHANGE/ CLARIFICATION	
Section VI. Schedule of Requirements Please refer to the Schedule of Requirements in the Philippine Bidding Documents.	Please refer to the attached Revised Schedule of Requirements.	
	CLARIFICATION: Prospective bidders must indicate price bid per item but not to exceed the unit cost indicated on the Revised Schedule of Requirements. Section II. Instruction to Bidders item 19.4, One Project having several items, which shall be awarded as separate contracts per lot.	

Date of Issue: 05 October 2022

JOEL M. ADDAWE

BAC Chairperson

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.

LOT 1 – IT EQUIPMENT

Item Number	Description	UOM	Quantity	Unit Cost	Total Cost	Delivered, Weeks/ Months
1	Camera Document Camera, brand new, branded Size: D x W x H (when folded): 4.57"x 4.25" x 12.68" (11.6 x 10.8 x 32.2cm) Weight: 2.58lbs (1.17kg) Resolution: 8.0 Megapixel Full autofocus lens High definition resolutions – up to 3264 x 2448	un	2	14,999.00	29,998.00	60 calendar days upon receipt of NTP
2	Desktop Computer All-In-One, Core i7-1165G7, 8GB RAM, 256GB M.2 PCIE NVME+1TB HDD, 2GB GPU, Win10, 23.8" FHD (1920x1080) display, with wireless keyboard and mouse, with licensed Office2021 and 2000VA UPS	pc	7	65,000.00	455,000.00	60 calendar days upon receipt of NTP
3	Desktop Computer All-In-One Desktop or High-Performance Desktop Profile at least 6C/12T or 8C/8-16T, 6-10MB cache, up to 3-5Ghz at least 16GB DDR4 at least 512GB SSD M.2 2280 PCIe 3.0 NVMe+2TB HDD at least 4GB discrete GPU	pc	3	93,000.00	279,000.00	60 calendar days upon receipt of NTP

	at least non-subscription, licensed Office 2021 at least USB wired Mouse, USB wired Keyboard at least USB 3.x, USB 2.x, 3.5mm combo audio, HDMI in/out, card reader ports at least 2000VA/1200W UPS, 220V with universal outlets at least 36 months manufacturer's warranty, NBD support						
5	Desktop Computer All-In-One Desktop or High-Performance Desktop Profile at least 6C/12T or 8C/8- 16T, 6-10MB cache, up to 3-5Ghz at least 32GB DDR4 at least 1024GB SSD M.2 2280 PCIe 3.0 NVMe+2TB HDD at least 8GB discrete GPU at least 27" LED IPS Full HD 1080p Touchscreen at least 720p-1080p HD webcam at least stereo or dual-stereo speakers at least mono or stereo mic at least Gigabit Ethernet RJ45 LAN, WiFi 6/b/g/n, BT at least licensed Windows 10 64-bit at least non-subscription, licensed Office 2021 at least USB wired Mouse, USB wired Keyboard at least USB 3.x, USB 2.x, 3.5mm combo audio, HDMI in/out, card reader ports at least 2000VA/1200W UPS, 220V with universal outlets at least 36 months manufacturer's warranty, NBD support	pc	1	150,000.00	150,000.00		60 calendar days upon receipt of NTP

6	Laptop Essential Laptop Profile at least 2C/4T or 4C/4T, 3-4MB cache, upto 3-4Ghz at least 8GB DDR4 at least 256GB SSD M.2 PCIe 3.0 NVMe or 240GB SSD+1TB HDD at least 2GB discrete GPU or multi pipeline (48- 80EU) iGPU or multi core iGPU at least 14" LED IPS FullHD 1080p, 220-400nits at least built-in VGA or 720p HD at least built-in stereo at least built-in mono at least built-in RJ45 LAN, WiFi b/g/n, BT at least licensed Windows 10 64-bit at least non-subscription, licensed Office 2019 at least backlit keyboard with multi touch trackpad at least USB 3.x, USB C, 3.5mm combo audio	un	1	53,903.00	53,903.00	60 calendar days upon receipt of NTP
7	Monitor Device Type: LED edgelight system, Native Resolution: 1920 x 1080 @ 60hz, Brightness: 250cd/m2 (typical), Aspect Ratio: 16:9 Pixel Pitch: 0.249 x 0.241 mm, Input Connectors: 1 x HDMI (HDCP1.4) port, 1 x VGA	un	1	10,000.00	10,000.00	60 calendar days upon receipt of NTP
8	Pen Tablet Display: Dimensions: 346.2x209x12mm; Work Area: 263.23x148.07; Display Resolution: 1920x1080; Stylus: X3	pc	5	16,000.00	80,000.00	60 calendar days upon receipt of NTP

	Elite; Resolution 5080 LPI; Compatibility: Win 10/11; Mac OS X (10.10 or later); Android (USB3.1); Chrome OS 88 or later					
9	Printer All in one functions, print, scan, copy, fax; all in one tank with ADF, Wi-fi Multi-functional integrated; 180 nozzle black, 59 nozzles per color, 5760 x 1440 DPI	un	2	14,500.00	29,000.00	60 calendar days upon receipt of NTP
10	Printer All-in-One Ink Tank Printer Print, Scan Copy, Continuous Printer Maximum Resolution: 5760 x 1440 dpi Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2	un	1	9,500.00	9,500.00	60 calendar days upon receipt of NTP
11	Printer Inkjet printer with Scanner, brand new, branded Printer Type: Print, Scan, Copy, Fax with ADF Print Method: On-demand inkjet (Piezoelectric) Printer Language: ESC/P-R, ESC/P Raster, 5760 x 1440 dpi, 1200x2400dpi optical resolution, USB, LAN, WiFi,, WiFi-Direct	un	2	14,999.00	29,998.00	60 calendar days upon receipt of NTP
12	Printer Print, Scan, Copy, Wi-fi direct with ink tank, Maximum copy size: A4, Letter, Max Copy Resolution: 600 x 600 dpi, Scanner Type: Flatbed colour image scanner	un	1	14,000.00	14,000.00	60 calendar days upon receipt of NTP
13	Printer Printer with scanner - Printing Method: PrecisionCore printhead - Printer Language: ESC/P-	un	1	17,000.00	17,000.00	60 calendar days upon receipt of NTP

	R, ESC/P Raster - Nozzle Configuration: 400 x 1 nozzles Black, 128 x 1 per Color (Cyan, Color, Magenta) - Maximum Resolution: 4800 x 1200 dpi					
14	Projector DLP Projector, brand new, branded Projection System: 3LCD Technology, RGB liquid crystal shutter LCD Panel: 0.55 inch with MLA (D10) Image Colour Light Output : 3,500 Lumen-2,230 Lumen (economy)	un	1	45,164.00	45,164.00	60 calendar days upon receipt of NTP
15	Projector Interactive Projector, brand new, branded 3,600 lumens of color/white brightness*3 Full HD 1080p* display; project 16:9 and 16:6 images 20,000-hour laser light source*4 Time-saving installation Finger touch and pen interactivity	un	1	150,000.00	150,000.00	60 calendar days upon receipt of NTP
16	Projector LCD Projector, brand new, branded 3,800 lumens of color and white brightness1 Native XGA resolution and 4:3 performance Long lamp life up to 12,000 hours in ECO Mode Built-in Moderator function3 for easy	un	1	30,000.00	30,000.00	60 calendar days upon receipt of NTP
17	Scanner Flatbed: ADF Up to 600 x 600 dpi (color and mono, ADF); up to 1200 x 1200 dpi (color and mono, flatbed -USB 2.0 and USB 3.0 (Superspeed): Bulit-in Fast Ethernet 10/100/1000 Base-TX network port	un	1	55,000.00	55,000.00	60 calendar days upon receipt of NTP
18	Scanner Scanner Type: ADF,		2	56,500.00	113,000.00	60 calendar

	Duplex Scanning Modes: Color, Grayscale, Monochrome, Automatic Image Sensor: CIS (contact Image Sensor) x 2 (front /back) light Source: 3 color LED (red/green/blue) optical resolution: 600 dpi	un					days upon receipt of NTP
19	Sound System Wall Mount Speaker, brand new, branded SuperDispersion 360 x 180 Omnidirectional Coverage Powerful – 160 Watts at 8 Ohms, 64 Watts at 70 Volts . Tabletop amplifier with MP3 Player, FM Radio & Bluetooth Dual-channel	set	1	50,000.00	50,000.00		60 calendar days upon receipt of NTP
20	Tablet (Branded) Finish: 1 Space Gray Capacity: 256gb, 8C CPU, 8C graphics, 8GB RAM, 12MP wide camera, Size and weight: 247.6mm x 178.5mm, 10.9 inch display USB-C Charge cable 20W USB-C Power Adapter With Screen Protector and Case	pc	4	58,500.00	234,000.00		60 calendar days upon receipt of NTP
21	Tablet Drawing Tablet, brand new, branded Display Size/Resolution: 15.6in/Full HD 1920x1080 Power Consumption: Power ON mode (MAX): 27W Power OFF mode: 0.5W or lower Connectivity: 3 in 1 cable (w/ HDMI14, USB 2.0 and AC adapter)	pc	1	50,000.00	50,000.00		60 calendar days upon receipt of NTP

LOT 2 – IT ACCESSORIES

22	Battery Battery unit for ACER F5-573G-787N Model No. N16Q2 DC Rating: 19V = 3.42A	pc	1	3,000.00	3,000.00	30 calendar days upon receipt of NTP
23	Battery Sealed lead acid battery for UPS, 12V, 7AH-9AH, Dimension:(H x W x D) mm : 93 x 64 x 150	pc	22	1,500.00	33,000.00	30 calendar days upon receipt of NTP
24	Extension Cord 16 GANG UNIVERSAL TOWER EXTENSION CORD • Safety shutter protection • Resistant to pressure, heat and moisture • Unique design suited for office or home use • Lightning protection series	pc	2	2,000.00	4,000.00	30 calendar days upon receipt of NTP
25	Extension Cord EXTENSION WHEEL 10A 2500W • Universal heavy duty outlets • 10 Meters cord length • With overheating protection button • Power leakage/surge protector safety breaker • Rapid flame retardant	pc	2	2,000.00	4,000.00	30 calendar days upon receipt of NTP
26	Flash Drive 128 GB flash drive with password protect Dimensions (LxWxH) 0.26" x 1.67" x 0.52", SEQUENTIAL READ PERFORMANCE Up to 150MB/s, metal casing.	pc	3	2,000.00	6,000.00	30 calendar days upon receipt of NTP
27	Flash Drive USB Flash Drive Capacity: 32GB Capacity Interface: USB 3.0 Transfer rate: up to 150 MB/s Device/OS compatibility: Windows 2000 or later, Mac OS 10.4 or later	pc	6	350.00	2,100.00	30 calendar days upon receipt of NTP
28	HDMI Cable 5M -Flat (Blue Black Head flat Cable): -Two-color injection plug Double shielded cable body HDMI 1.4 Version - Resolution:1080P@60Hz - AWG:30AWG	pc	2	350.00	700.00	30 calendar days upon receipt of NTP

29	HDMI Cable 10M -18 Gbps bandwidth support 3840*2160 @60Hz High Dynamic Range (HDR) video dynamic 4K@60Hz gaming -Dolby True HD 7.1 audio and 3D resolution up to 1080P Full HD at 120 Hz	pc	5	824.00	4,120.00	30 calendar days upon receipt of NTP
30	HDMI Converter HDMI to VGA converter with Audio; Support up to 1920x1080(60Hz); Input interface: HDMI Male; Micro USB female;	pc	9	650.00	5,850.00	30 calendar days upon receipt of NTP
31	HDMI KVM Switch 2 port 4k USB switch KVM VGA switcher HDMI	pc	1	1,500.00	1,500.00	30 calendar days upon receipt of NTP
32	Headphones Wireless Headphones w/ microphone, brand new, branded HEADPHONE TYPE: Dynamic DRIVER UNIT: 30 mm (Dome Type) MAGNET: Neodymium IMPEDANCE (OHM): 37 ohm DIAPHRAGM: PET FREQUENCY RESPONSE (BLUETOOTH® COMMUNICATION): 20 Hz -20,000 Hz	un	12	8,200.00	98,400.00	30 calendar days upon receipt of NTP
33	Headset Wearing style: Head-band - Recommended usage: Office/Call center - Connectivity technology: Wireless - Bluetooth profiles: A2DP - Wireless range: 30 m - Ear coupling: Supra Aural - Noise reduction type: Active, Talk time: 12 h. Weight: 155 g.	un	10	7,500.00	75,000.00	30 calendar days upon receipt of NTP
34	Hub Expansion Dock 11 in 1 Input: Type C Output: Type C (onlyCharg)+USB3.0+HD MI 4K+VGA+PD+Audio	pc	2	2,000.00	4,000.00	30 calendar days upon receipt of NTP

	3.5+SD/TF+RJ45 Gigabit 1.HDMI:4K*2K(3840*2160)30HZ and 4K*2K(3840*2160)60HZ are available , downwards compatible with 1080P					
35	Hub Expansion Dock 11 in 1 Input: USB 3.0 Output: Type C (onlyCharg)+USB3.0+HD MI 4K+VGA+PD+Audio 3.5+SD/TF+RJ45 Gigabit 1.HDMI:4K*2K(3840*2160)30HZ and 4K*2K(3840*2160)60HZ are available , downwards compatible with 1080P	pc	2	2,000.00	4,000.00	30 calendar days upon receipt of NTP
36	Keyboard Keyboard with Numeric Keypad - US English Color: White Lightning to USB Cable Height: 0.16-- 0.43 inch (0.41--1.09 cm) Width: 16.48 inches (41.87 cm)	un	4	7,200.00	28,800.00	30 calendar days upon receipt of NTP
37	Keyboard Keyboard unit for ACER F5-573G-787N Model No. N16Q2 DC Rating: 19V = 3.42A	pc	1	2,000.00	2,000.00	30 calendar days upon receipt of NTP
38	Keyboard Smart Keyboard Folio (branded) for Tablet, compatible with Apple Ipad	pc	1	12,000.00	12,000.00	30 calendar days upon receipt of NTP
39	LAN Cable branded, high quality, CAT 5e UTP LAN cable, AWG24 8C, gray color, 305M	box	1	6,800.00	6,800.00	30 calendar days upon receipt of NTP
40	Microphone Wireless Lapel Microphone 20 Selectable Frequencies UHF Frequencies 683.1 to 695.1 MHz Oscilation Mode DSP chips Frequency Locking Freq. Stability +10ppm *RF Efficiency 10dBm Freq.	un	2	2,500.00	5,000.00	30 calendar days upon receipt of NTP

	Range: 45Hz-18kHz Distortion <0.65dB						
41	Microphone Wireless Microphone/Vocal System Available Transmitter Form factors: Handheld SVX4 Diversity Receiver Up to 8 selectable channels Up to 4 compatible systems* Antenna Switching Diversity Adjustable Squelch Level 1/4" and XLR output	un	1	17,000.00	17,000.00		30 calendar days upon receipt of NTP
42	Monitor LED Monitor brand new, branded 23.8- inch, 1920 x 1080, IPS, LED Edgelight System, Antiglare with 3H hardness Panel Type: IPS Aspect Ratio: 16:9 Native Resolution: 1920 x 1080 at 75 Hz Pixel Pitch: 0.2745 x 0.2745 mm	un	1	10,000.00	10,000.00		30 calendar days upon receipt of NTP
43	Monitor 24" -24" Full HD Monitor with SuperClear® IPS panel technology - 1920x1080 FHD resolution -Connector: VGA: 1 ; 3.5mm Audio Out: 1 ; HDMI 1.4: 1 ; wall mount VESA compatible: 100x100mm	pc	1	9,600.00	9,600.00		30 calendar days upon receipt of NTP
44	Mouse Color: White Multi-Touch Surface Size and Weight: Height: 2.16 cm (0.85 inches) Width: 5.71 cm (2.25 inches) Depth: 11.35 cm (4.47 inches) Weight: 0.099 kg (0.22 pounds) Multi-Touch Connections Lightning port, wireless	un	4	4,350.00	17,400.00		30 calendar days upon receipt of NTP
45	Mouse Wireless Mouse Type: Wireless Connection: 2.4G Hz Operating Range: 10-	pc	3	450.00	1,350.00		30 calendar days upon

	15m Ergonomic Design: Symmetric Sensor: Optical Resolution: 1200 DPI Report Rate: 125Hz Buttons No.: 3 Receiver: Nano USB Receiver Battery: 1AA Battery						receipt of NTP
46	NETWORK ATTACHED STORAGE 4-BAY NETWORK ATTACHED STORAGE; WITH FOUR PIECES 4TB INTERNAL HARD DRIVES *see full specifications attached	lot	1	80,000.00	80,000.00		30 calendar days upon receipt of NTP
47	NETWORK ATTACHED STORAGE (NAS) CPU -CPU Model: Realtek RTD1296 -CPU Architecture: 64-bit -CPU Frequency: 4-core 1.4 GHz Storage -Drive Bays: 4 - Compatible Drive Type: 3.5" SATA HDD ; 2.5" SATA HDD ; 2.5" SATA SSD	pc	1	21,600.00	21,600.00		30 calendar days upon receipt of NTP
48	Pencil for Tablet (Branded) Length: 6.53 inches (166 mm) Diameter: 0.35 inch (8.9 mm) Weight: 0.73 ounce (20.7 grams) Connections Bluetooth, Other Features: Magnetically attaches and pairs, latest generation, compatible with Apple Ipad	pc	4	10,000.00	40,000.00		30 calendar days upon receipt of NTP
49	Portable External Hard Drive Capacity 1TB, InterfaceUSB 3.2 Gen 2, ConnectorUSB-C, Compatibility: - USB 3.2 Gen 2 (10Gb/s), USB 3.0, USB 2.0 Dimensions (L x W x H): 8.95mm x 52.42mm x 100.54mmIn	pc	2	9,000.00	18,000.00		30 calendar days upon receipt of NTP

50	Portable External SSD Capacity 1TB Interface USB 3.2 Gen 2, Connector USB-C, Compatibility: - USB 3.2 Gen 2 (10Gb/s), USB 3.0, USB 2.0 Dimensions (L x W x H): 8.95mm x 52.42mm x 100.54mmIn	pc	2	9,000.00	18,000.00	30 calendar days upon receipt of NTP
51	Portable Power Station Rated Input: 800W Battery Type: Lead-Acid Battery Cap. 40,000mAh Output 1: 12v DC Sockets Output 2: 220V AC Outlet Output 3: 5V 2.1A USB Sockets Operating Temp: 0-60° C Dimension: 31×26.5×30cm, with charging adapter and complete accessories	un	1	30,000.00	30,000.00	30 calendar days upon receipt of NTP
52	Router 5 port Gigabit Wireless dual chain, dual-band router with POE in and out Architecture: ARM 32bit CPU: IPQ-4019 CPU core count: 4 With Router OS	pc	11	9,000.00	99,000.00	30 calendar days upon receipt of NTP
53	Router AX6000 Dual-Band Wi-Fi speed boosted by 1024QAM, wireless speed up to 5952 Mbps: 4804 Mbps (5 GHz) and 1148 Mbps (2.4 GHz), 2.5Gbps WAN port, 8 Gigabit LAN ports, and 2 USB 3.0 in Type A and Type C, Highly Efficient OFDMA, Downlink and uplink MU- MIMO5 are both supported, 1GB RAM and 128MB Flash, 12V 4A power supply, 8x high- performance external antennas	un	1	20,000.00	20,000.00	30 calendar days upon receipt of NTP
54	Router Heavy-duty 1U Home Router with USB 3.0, 1G and 2.5G Ethernet and a	un	2	18,000.00	36,000.00	30 calendar days upon

	10G SFP+ cage Architecture: ARM 64bit CPU: 88F7040 CPU core count: 4 CPU nominal frequency: 350-1400 (auto) MHz						receipt of NTP
55	Router Mid-Range Office Wi-Fi Router Type: AX5400 Dual Band, Gigabit, 4T4R MU-MIMO, WiFi 6, OFDMA, USB3.0; LAN Ports: at least 4x RJ45 10/100/1000Mbps; WAN Ports: at least 1x RJ45 10/100/1000Mbps; WiFi: at least 802.11 b/g/n/a/ac/ax;	un	1	8,000.00	8,000.00		30 calendar days upon receipt of NTP
56	Router Powerful dual band 2.4Ghz/5Ghz wireless AP for mounting on ceiling or wall, brand new, branded Architecture: ARM 32bit CPU: IPQ-4018 CPU core count: 4 CPU nominal frequency: 716 MHz Dimensions: Round case: diameter: 136 mm	un	2	5,000.00	10,000.00		30 calendar days upon receipt of NTP
57	Router Tri-band (one 2.4 GHz & two 5 GHz) home access point with meshing technology brand new, branded Architecture: ARM 32bit CPU: IPQ- 4019 CPU Core: 4 CPU Freq: 716Mhz	un	3	11,500.00	34,500.00		30 calendar days upon receipt of NTP
58	Router Wireless Access Point Dual Band 2.4Ghz/5Ghz Ceiling or wall mounted Ram: 128 MB Dimensions: Round case: 136mm, height: 30mm, Square Case: 145x145x30mm	pc	1	5,000.00	5,000.00		30 calendar days upon receipt of NTP
59	Router Board Router Board Router OS, 8-port, ARM 64bit	pc	1	20,000.00	20,000.00		30 calendar days upon receipt of NTP

60	SD Card 64 GB SD Cards, Compatible with SDXC and SDXC UHS-I enabled host devices, Up to 200MB/s, Dimensions: 2.17mm x 23.91mm x 31.92mm	pc	3	2,000.00	6,000.00	30 calendar days upon receipt of NTP
61	Storage Drive NAS Diskstation 2x 3.5/2.5" SATA HDD/SSD Drive Bays, 2xGigabit Ethernet port, 2GB of DDR4 RAM, 2.0 Ghz Dual-Core processor, includes 2x 4TB 5400 rpm NAS Storage Drives	set	10	36,000.00	360,000.00	30 calendar days upon receipt of NTP
62	UPS Computer or Office UPS Type:High quality, Line- Interactive UPS with MPC, built-in AVR, universal outlets, LED indicators, audible alarm, Output capacity:at least 1500VA / 900W,Interface:at least four (4) universal outlets;	un	1	5,000.00	5,000.00	30 calendar days upon receipt of NTP
63	UPS Uninterruptible Power Supply High quality, Line interactive UPS with MPC, Built-in AVR, Universal outlets, LED display indicators, audible alarm, 2000VA/1200W, 240V, 12V/9Ah x2, with built-in safety fuse or circuit breaker, over charge, over discharge, surge, short, overload protections	un	3	8,166.67	24,500.00	30 calendar days upon receipt of NTP
64	USB Adapter 7-in-1 USB C adapter for: HDTV, USB 2, 2 USB C Female Port, USB C male, SD/TF Card Reader	pc	4	2,500.00	10,000.00	30 calendar days upon receipt of NTP
65	USB Adapter USB C Multiport Adapter, 10 in 1 USB C Dongle Ethernet Docking Station	un	10	3,500.00	35,000.00	30 calendar days upon

	with 4K HDMI VGA 100W Power Delivery 3 USB 3.0 Ports 3.5mm Audio Jack SD TF Card Reader						receipt of NTP
66	USB Charger Adaptive Fast Charger, Micro-USB, 15W Input: 12-24VDC, 9.0V=1.67A, 5.0V=2.0A Compatible with Samsung Android Tablet	pc	4	1,300.00	5,200.00		30 calendar days upon receipt of NTP
67	USB Hub USB 3.x 4-port portable USB hub; 5Gbps data transfer speed, simultaneous device access, over-voltage and over-current protections, multi-shielded, 15cm cable length, ABS construction	pc	4	1,000.00	4,000.00		30 calendar days upon receipt of NTP
68	USB Hub USB 3.0 hub, multi- function -USB 3.0 2.0 HUB 6 Ports 6 in 1 OTG USB to Micro B SD TF USB 3.0 High Speed Charging Docking Station, -INTERFACE TYPE: USB3.0*3/Micro-B/TF/SD	pc	4	750.00	3,000.00		30 calendar days upon receipt of NTP
69	USB Hub USB-C and USB-A 3.x 4- port portable USB hub; 5Gbps data transfer speed, simultaneous device access, over-voltage and over-current protections, multi-shielded, 15cm cable length, ABS construction	un	4	1,500.00	6,000.00		30 calendar days upon receipt of NTP
70	USB Hub USB-C Hubs with ports for: TF/SD Card HDMI- compatible 4K Port VGA USB 3.0 (at least 2) 3.5mm Audio Output USB-C charging port	pc	4	2,000.00	8,000.00		30 calendar days upon receipt of NTP
71	USB Switch USB KVM switch, 2 port VGA - INTERFACE TYPE: VGA Female/USB-	pc	1	1,400.00	1,400.00		30 calendar days upon

	B Female/USB2.0 A Female - Transmission Direction: VGA 2 IN 1 OUT - Resolution: 1920*1440@60Hz Resolution - Transmission Up to 28M						receipt of NTP
72	VGA Cable 10M - support 1920*1200 @60Hz, Tinned Copper, 30AWG, PVC jacket with AL-Mylar Shield, HDB-15 male connectors, bend radius of 60 degrees	pc	1	1,000.00	1,000.00		30 calendar days upon receipt of NTP
73	Web Cam Full HD, USB Camera; 1080P HD output; built-in microphone; plug-and-play via USB 2.0 protocol	pc	4	3,600.00	14,400.00		30 calendar days upon receipt of NTP