



12 January 2024

Bid Bulletin No. 1

Subject: SUPPLY AND DELIVERY OF IT EQUIPMENT AND ACCESSORIES FOR PHILRICE CES
under PB 24-01-10

This bid bulletin is being issued to clarify and/or amend Section VI. Schedule of Requirements and Section VII. Technical Specifications for PB24-01-10 are as follows:

See attached Revised Schedule of Requirements and Technical Specifications for complete details.

Section VII (Revised Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st envelope) to signify conformity to the revisions.

Please be guided accordingly.


LUIS ALEJANDRE I. TAMANI
Chairperson, BAC for Goods and Services

SECTION VI. Schedule of Requirements

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

Item no.	Description	Quantity	Unit	Total ABC	Division	Delivery Period
1	Mouse	1	unit	500.00	ADMIN	15 calendar days
2	Powerbank	10	unit	50,000.00	ASPPD	
3	Printer	1	unit	9,000.00	ASPPD	
4	Laptop	1	unit	49,800.00	CPD	
5	Mouse	1	unit	500.00	CPD	
6	Printer	1	unit	20,000.00	CPD	
7	External Data Storage	5	unit	40,000.00	ASPPD	
8	External Data Storage	5	unit	30,000.00	ASPPD	
9	Solid State Drive (SSD)	4	Piece	40,000.00	ASPPD	
10	External Data Storage	4	Piece	60,000.00	ASPPD	
11	External Data Storage	4	Piece	40,000.00	ASPPD	
12	Monitor	2	unit	50,000.00	ASPPD	
13	Monitor	1	unit	15,000.00	ASPPD	
14	Monitor	2	unit	50,000.00	ASPPD	
15	UPS	1	unit	8,000.00	ASPPD	
16	UPS	3	unit	12,000.00	ASPPD	
17	Webcam	3	unit	6,000.00	ASPPD	
18	Laptop	2	unit	98,000.00	ASPPD	
19	Laptop	1	unit	49,000.00	ASPPD	
20	USB Hub	4	unit	18,000.00	ASPPD	
21	Keyboard	4	Unit	4,000.00	ASPPD	
22	Mouse	1	unit	2,000.00	ASPPD	
23	Mouse	4	unit	8,000.00	ASPDD	
24	Mouse	3	unit	4,500.00	ASPPD	
25	Mouse	8	unit	12,000.00	ASPPD	
26	Cooling Pad	3	unit	36,000.00	ASPPD	
27	Printer	2	unit	24,000.00	ASPPD	

28	Tablet Computer	5	Unit	125,000.00	ASPPD	
29	Desktop Computer	1	unit	49,000.00	ASPPD	
30	Keyboard	3	unit	3,000.00	ASPPD	
31	UPS	1	unit	4,000.00	ASPPD	
32	UPS	10	unit	120,000.00	ASPPD	
33	Webcam	3	unit	4,500.00	ASPPD	
34	Headphones	3	unit	4,500.00	ASPPD	
35	Laptop	1	Unit	49,000.00	ASPPD	
36	Printer	1	unit	18,848.18	COMREL	
37	Headphones	1	unit	600.00	COMREL	
38	Card Reader	3	unit	1,200.00	COMREL	
39	Flash Drive	5	Unit	7,500.00	COMREL	
40	Memory Card	2	Piece	4,000.00	COMREL	
41	Monitor	2	unit	30,0000.00	DEVCOM	
42	Power bank	10	unit	20,0000.00	DEVCOM	
43	Computer Webcam	1	unit	2,000.00	DEVCOM	
44	Conference webcam	1	unit	15,000.00	DEVCOM	
45	Desktop Computer	1	unit	49,090.00	RCFSD	
46	Keyboard	3	unit	3,000.00	FMD	
47	Mouse	2	unit	1,000.00	FMD	
48	UPS	2	unit	32,000.00	FMD	
49	Printer	2	unit	56,000.00	FMD	
50	USB Hub	1	Piece	500.00	FMD	
51	Laptop	1	unit	49,000.00	GRD	
52	Media Converter	2	unit	29,000.00	ISD	
53	SFP Tranceiver	4	Piece	38,000.00	ISD	
54	Desktop Computer	2	unit	99,160.00	ISD	
55	Docking station	1	unit	2,000.00	ISD	
56	UPS	2	Unit	17,600.00	ISD	
57	Wireless Router	2	Piece	15,600.00	ISD	
58	Access Point	2	Piece	17,600.00	ISD	
59	External Data Storage	5	Piece	15,000.00	ISD	

60	Portable External Hard Disk Drive	2	Piece	6,400.00	ISD	
61	Network Switch	2	Piece	29,800.00	ISD	
62	Cooling Pad	4	Piece	8,000.00	ISD	
63	Headphones	4	Unit	3,280.00	IAU	
64	Desktop Computer	3	Unit	147,000.00	IAU	
65	Laptop	2	Unit	99,000.00	IAU	
66	Scanner	1	Unit	30,000.00	ODED-A	
67	Headphones	3	Unit	15,000.00	ODED-A	
68	Computer monitor	1	Unit	10,000.00	OED	
69	Ergonomic wireless mouse	5	Unit	6,500.00	OED	
70	Laptop	1	Unit	49,000.00	OED	
71	Flash Drive	4	Unit	1,960.00	ODED-R	
72	Mouse	2	Unit	5,000.00	ODED-R	
73	Webcam	2	Unit	5,000.00	ODED-R	
74	Digital Voice Recorder	1	Unit	8,000.00	ODED-R	
75	Printer	1	Unit	25,000.00	ODED-R	
76	Laser Presentation Remote	1	piece	2,750.00	ODED-R	
77	Mouse	1	Unit	500.00	PBBB	
78	Keyboard	1	Unit	2,300.00	PBBB	
79	External Data Storage	1	Piece	10,000.00	RCFSD	
80	Laptop	1	Unit	49,900.00	RCFSD	
81	Keyboard	1	Unit	800.00	RCFSD	
82	Mouse	1	Unit	500.00	RCFSD	
83	Printer	1	Unit	15,000.00	RCFSD	
84	CPU with OS	1	Unit	49,950.00	RCFSD	
85	CPU with OS	2	Unit	99,900.00	RCFSD	
86	Portable External Hard Drive	1	Piece	5,000.00	RCFSD	
87	Monitor	2	Unit	30,000.00	RCFSD	
88	UPS	2	Unit	6,000.00	RCFSD	
89	Computer Desktop	1	Unit	49,900.00	RCFSD	

90	Flash drive	2	Unit	3,000.00	RCFSD	
91	Monitor	2	Unit	700.00	REMD	
92	Pocket Wifi	1	Piece	2,600.00	REMD	
93	Powerbank	1	Unit	900.00	REMD	
94	UPS	1	Unit	3,500.00	REMD	
95	UPS	1	Unit	14,000.00	REMD	
96	Desktop Computer	1	Unit	49,000.00	SED	
97	Laptop Computer	1	Unit	48,000.00	SED	
98	UPS	5	Unit	15,000.00	SED	
99	Voice Recorder	2	Unit	16,000.00	SED	
100	USB Wireless Presenter	3	Piece	1,500.00	SED	
101	Laptop	2	Unit	80,000.00	SED	
102	Mouse	6	Unit	1,344.00	SED	
103	Desktop Computer	1	UNIT	49,000.00	SED	
104	Voice Recorder	1	Unit	7,000.00	SED	
105	External Hard Drive	2	Piece	12,000.00	SED	
106	Printer	1	Unit	20,000.00	TMSD	

TOTAL ABC PhP 2,713,982.18

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance <i>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</i>
1	One (1) unit Mouse Type: Wired Sensor: Optical Resolution: 1000 DPI Port: USB Cable Length: 60cm Dimension: 93.5 x 54 x 37 mm Color: Black	
2	Ten (10) units Power Bank Type: charging treasure Battery capacity: 10000mAH with battery-level screen indicator Rated capacity: 10000mAh Input voltage: 12V Product size: 109mm long; 64mm wide; 27.8mm LED light: Type-C input; Lighting input	
3	One (1) unit Printer Printer with scanner: print, scan, copy colored 5760 x 1440 dpi; Up to 100 sheets of Plain Paper (80 g/m2); Legal (8.5 x 14”), Indian-Legal (215 x 345 mm), 8.5 x 13”, Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7”, 5 x 8, 4 x 6, Envelopes: #10, DL, C6, compatible with windows 10	
4	One (1) unit Laptop	

	<p>Minimum Specification:</p> <p>Processor: 6 Core (2 Performance + 4 Efficient) / 8 Threads, P-core 1.2 / 4.4GHz, E-core 0.9 / 3.3GHz, 10MB</p> <p>Display: 15.6 inch (1920x1080) IPS 300nits Anti-glare</p> <p>Memory: 8GB, DDR4-3200 (Upgradable)</p> <p>Storage: 256GB SSD M.2 3.0 NVMe® (upgradable to 1tb)</p> <p>Graphics: Integrated Intel UHD Graphics</p> <p>Operating System: 64bit OS w/ NTFS File System</p> <p>Office Productivity System: Licensed, latest 32-64 bit, word processor, spreadsheet, presentation for business</p> <p>I/O Ports: Card reader, USB 2.0, USB 3.0, HDMI, and wifi connectivity</p> <p>with wireless mouse and wireless keyboard</p>	
5	<p>One (1) unit Mouse</p> <p>optical, with chord, usb type, plug and play</p>	
6	<p>One (1) unit Printer</p> <p>All-in-one Inkjet Printer (Black and Colored of Cyan, Yellow and Magenta)</p> <p>Print, Scan up to legal size paper (8*14 inch), Copy,</p> <p>Borderless Auto 2-sided Printing,</p> <p>Eco-Tank system</p> <p>Inclusive of refill ink</p> <p>6 pcs black,</p> <p>3 pcs cyan</p> <p>3 pcs yellow</p> <p>3 pcs magenta</p>	
7	<p>Five (5) Pieces External Data Storage</p> <p>Capacity: 4TB</p> <p>Compatibility: Micro USB and USB Type-A connections</p> <p>Form Factor: 2.5-inch Hard Disk Drive</p> <p>for Component I</p>	
8	<p>Five (5) Pieces External Data Storage</p> <p>Capacity: 1TB Solid-State Drive (SSD)</p>	
9	<p>Four (4) Pieces Solid State Drive (SSD)</p> <p>Capacity: 2TB</p> <p>Compatibility: USB Type-C Connection</p> <p>Others: Capable of High-speed data transfer suitable for portable applications</p>	

	for REMD	
10	Four (4) Pieces External Data Storage Capacity: 4TB Compatibility: USB 3.0 Others: Multi-level cell (MLC) technology, preferably 4-bits. for SPIIN Lab	
11	Four (4) Pieces External Data Storage Capacity: 5 TB Others: Capable of high-speed data transfer suitable for portable use for SPIIN lab	
12	Two (2) Units Monitor Monitor size: 31.5 inches Resolution: WQHD (2560x1440) Refresh rate: 144Hz Brightness: 250 nits (cd/m2) Others: Support for adaptive sync technology (compatible with common industry standards) Features to reduce eye strain and harmful blue light emissions Minimal bezel/frame design for SPIIN Lab	
13	One (1) unit Monitor Monitor size: 23.6 inches Display Design: Curved Resolution: Full HD (1920x1080) Minimal bezel/frame design Refresh rate: 165Hz Contrast ratio: High Support for adaptive sync technology (compatible with common industry standards) Brightness: 250 nits (cd/m2) for SPIIN Lab	
14	Two (2) Units Monitor Monitor size: 27 inches Resolution: 4K (3840 x 2160) Refresh rate: 60Hz Response time: 4 ms (GtG) Display technology: TFT active matrix or equivalent Others: Support for adaptive sync technology	

	for Component I	
15	<p>One (1) unit UPS</p> <p>Uninterruptible Power Supply (UPS) Output Power Capacity: 1.2kVA 650Watts Output Connections: IEC 60320-C13 Nominal Output Voltage: 230V Topology: Line interactive Battery: Lead-Acid Others: Surge protection and filtering LED Indicators Alarms Automatic Voltage Regulation Compliance: CE IP 20 Protection Rating</p> <p>for REMD</p>	
16	<p>Three (3) units UPS</p> <p>Uninterruptible Power Supply (UPS) Power: 1kVA 600Watts Topology: Line interactive Battery: Lead-acid Others: Surge protection and filtering LED Indicators Alarms Automatic Voltage Regulation Compliance: CE EC 6030-14 or equivalent P 20 Protection Rating</p> <p>for Component I</p>	
17	<p>Three (3) units Webcam</p> <p>Resolution: Full HD 1080P Frame Rate: 60 fps Built-in Mic with Noise Cancelling Connector: USB-A</p> <p>for SPIIN Lab</p>	

18	<p>Two (2) units Laptop</p> <p>Processor: 12th gen or later or equivalent. 6 cores (2 performance cores + 4 efficient cores) / 8 threads. 4.4Ghz performance core max turbo frequency, 3.3Ghz efficient cor max turbo frequency, 10MB smart cache, 10nm Memory: 8 GB DDR4 Storage: 512GB SSD Audio: High Resolution Audio Ready Display: 14" (min) FHD 1920x1080 IPS display Operating System: Licensed Professional, latest 64-bit NTFS file Office Productivity Software: Perpetual Licensed, latest 32-64 bit, including word processor, spreadsheet presentation for business</p> <p>for REMD</p>	
19	<p>One (1) unit Laptop</p> <p>Branded/Brand New Laptop Processor: 12th gen or later or equivalent. 6 cores (2 performance cores + 4 efficient cores) / 8 threads. 4.4Ghz performance core max turbo frequency, 3.3Ghz efficient core max turbo frequency. 10MB smart cache, 10nm Memory: 8 GB DDR Storage: 512GB SSD Audio: High Resolution Audio Ready Display: 14" (min) FHD 1920x1080 IPS display Operating System: Licensed Professional, latest 64-bit NTFS file Office Productivity Software: Perpetual Licensed, latest 32-64 bit, including word processor, spreadsheet presentation for business</p> <p>for PMO (H)</p>	
20	<p>Four (4) units USB Hub</p> <p>USB-C powered Multifunctional hub Adapter USB 3.x Type-C input Output interfaces: HDMI 4K support, VGA, USB3 type A, USB3 type C, USB3 type C PD (Power delivery).</p> <p>for Component I</p>	
21	<p>Four (4) units Keyboard</p>	

	USB Keyboard, with detachable wrist rest for Component I	
22	One (1) units Mouse Wireless mouse with 10m range Optical tracking sensor technology Adjustable DPI range - 400-4000dpi 6 functional buttons - left, right, navigation (back/forward), middle, and scroll wheel supports middle clicking. for SPIIN Lab	
23	Four (4) units Mouse multi-mode connectivity up to 8000 dpi 7 customizable buttons Weight: approx. 90g Built-in memory for configuration storage Ergonomic design wireless for Component I	
24	Three (3) units Mouse Wireless mouse 2.4 GHz Multi-button Ergonomic design for SPIIN Lab	
25	Eight (8) units Mouse Wireless mouse 2.4 GHz Multi-button Ergonomic design for REMD	
26	Three (3) pieces Cooling Pad Silent operation fans with a speed around 2400RPM, equipped with multicolor backlighting options Comes with approximately five high-performance cooling fans Constructed with a metal (e.g., aluminum) panel for durability and efficient cooling Around five adjustable stands/holders, including	

	<p>provisions for holding at least two mobile devices</p> <p>Ergonomically designed for enhanced user comfort</p> <p>Equipped with at least two USB ports for connectivity and expansion</p> <p>Multicolor lighting mode options available</p> <p>Adjustable fan speed control for optimized cooling</p> <p>Compatible with notebooks/laptops roughly in the size range of 13" to 15"</p> <p>for REMD</p>	
27	<p>Two (2) units Printer</p> <p>Multi-function device with capabilities to print, scan, and copy</p> <p>Printing speed of approximately up to 33.0 pages per minute for black and white or primary mode, and around 15 pages per minute for color or secondary mode.</p> <p>for component II</p>	
28	<p>Five (5) units Tablet Computer</p> <p>Octa core processor (min)</p> <p>10.4" IPS Display WUXGA+</p> <p>RAM 4GB (min)</p> <p>ROM 128GB (min)</p> <p>Battery: 4,200 Mah (min)</p> <p>Wifi, 4G connectivity</p> <p>8MP main camera, 5MP Front camera</p> <p>M&E</p>	
29	<p>One (1) unit Desktop Computer</p> <p>All in one desktop PC</p> <p>23.8" LED Monitor</p> <p>2 performance cores / 4 efficient cores / 8 threads, 3.3Ghz max efficient core turbo freq</p> <p>4.4Ghz max performance core turbo freq., 10MB smart cache processor</p> <p>8GB DDR4 Memory</p> <p>1 TB NVME SSD drive</p> <p>Perpetual Licensed Professional 64bit OS for domain network environment with NTFS File System</p> <p>Office productivity suite, perpetual licensed for business, USB Keyboard and mouse</p> <p>650VA UPS</p>	

30	Three (3) units Keyboard USB keyboard, with detachable wrist rest	
31	One (1) unit UPS Uninterruptible power supply, Back-UPS for desktop computer 650VA	
32	Ten (10) unit UPS UPS Input 110-2230 VAC (on-line power system 220-240 VAC output)	
33	Three (3) units Webcam Max Resolution: 1080 p/30 fps - 720p/ 30 fps Camera mega pixel: 3 Focus type: Autofocus Lens type: Glass Built-in mic: Stereo Mic range: Up to 1 m Diagonal field of view (dFoV): 78°	
34	Three (3) units Headphones Shielded wires with large magnetic rings Frequency response-20Hz-20kHz Impedance-32Ω Sound pressure level-91±3dB Sensitivity--42dB±3dB	
35	One (1) unit Laptop Brand New Laptop (min) 12th gen or later or equivalent. 6 cores (2 performance cores + 4 efficient cores) / 8 threads. 4.4Ghz performance core max turbo frequency, 3.3Ghz efficient core max turbo frequency. 10MB smart cache, 10nm Built-in Graphics (min) 1 pc DDR4 memory 8GB (min) 250GB NVME M.2 SSD (min) 14 inches; LED Screen Wireless mouse, USB2,USB3, HDMI, VGA (Optional) minimum 3 USB ports Licensed, latest 64bit OS with NTFS File system Licensed, latest 32-64bit, Office suite Including word processor, spreadsheet, presentation for business (perpetual license) Slim and lightweight	
36	One (1) unit Printer	

	<p>All-in-One Printer with ADF (Print, Copy, Scan) Technology: Inkjet/Laser Resolution: Up to 4800 x 1200 dpi (Color), Up to 1200 x 1200 dpi (Black) Speed: Up to 20 ppm (Black and Color, draft) Duplex Printing: Automatic Wireless: Wi-Fi 802.11b/g/n/ac Sizes: Letter, Legal, A4, A5, B5, Envelopes (No. 10, DL) Capacity: Min. 150 sheets (Input), Min. 50 sheets (Output)</p>	
37	<p>One (1) unit Headphones</p> <p>Wired Headset, Stereo Headphones with Noise-Cancelling Microphone -Rotating Microphone -Adjustable Headband -3.5-mm Audio Jack Connection</p>	
38	<p>Three (3) units Card Reader</p> <p>Universal All in One Card Reader Color: Black Size: 6.9 X 4 X 1.2cm(L X W X H) Cable Length: 52.5cm</p>	
39	<p>Five (5) units Flash Drive</p> <p>OTG USB Sticks Capacity: 64 GB Connection Interface: USB Type-C & USB 3.1 Gen 1 Type A connectors</p>	
40	<p>Two (2) pieces Memory Card</p> <p>SD Card Capacity: 64 GB</p>	
41	<p>Two (2) units Monitor</p> <p>27 inches Borderless, IPS, 75hz Refresh rate LCD</p>	
42	<p>Ten (10) unit Power bank</p> <p>10000mah, with battery-level Screen indicator.</p>	
43	<p>One (1) unit Computer Webcam</p> <p>full 1080p, 30fps, USB, with built-in mic.</p>	
44	<p>One (1) unit Conference webcam</p> <p>full 1080p, 30fpf, USB wide with built-in omnidirectional microphone</p>	
45	<p>One (1) unit Desktop Computer</p>	

	<p>Branded/Brand New</p> <p>4 cores / 4 performance cores / 8 threads / 3.3Ghz base Frequency to 4.3Ghz turbo frequency / 12MB smart Cache / 5MB L2 Cache / built-in Graphics processor</p> <p>USB3 / NVME M.2 / VGA / HDMI ports / 12th gen support Motherboard</p> <p>8 GB DDR4 3200 Memory NVME M.2 SSD drive 512GB</p> <p>22" min LED IPS Monitor</p> <p>Latest Professional 64bit OS with NTFS File system</p> <p>USB Mouse and Keyboard</p> <p>Perpetual licensed Office productivity Suite for business</p> <p>650VA UPS</p>	
46	<p>Three (3) units Keyboard</p> <p>USB Keyboard, wired</p>	
47	<p>Two (2) unit Mouse</p> <p>USB Mouse, wired</p>	
48	<p>Two (2) unit UPS</p> <p>1600VA UPS, 230V/900 Watts, AVR, 4 universal outlets; Topology: Line interactive, Battery: Lead Acid battery , replaceable battery</p>	
49	<p>Two (2) unit Printer</p> <p>Multifunction printer: Print, Scan, Copy; Ultra-high page yield of 7,500 pages (black) and 6,000 pages (colour); Print speed of up to 17.0 ipm; Prints up to A3+ (for simplex); Automatic duplex printing; Wi-Fi, Wi-Fi Direct</p>	
50	<p>One (1) piece USB Hub</p> <p>LAN cables and accessories, USB Hub, 4-Port</p>	
51	<p>One (1) unit Laptop</p> <p>Brand New</p> <p>(min) 12th gen or later or equivalent. 6 cores (2 performance cores + 4 efficient cores) / 8 threads.</p> <p>4.4Ghz performance core max turbo frequency, 3.3Ghz efficient core max turbo frequency.</p> <p>10MB smart cache, 10nm</p> <p>Built-in Graphics (min)</p> <p>1 pc DDR4 memory 8GB (min)</p> <p>512GB NVME M.2 SSD (min)</p> <p>14" (minimum) IPS LED Screen</p> <p>USB3 ports 2 (min)</p>	

	HDMI port, VGA port (Optional) minimum 3 USB ports Licensed, latest 64bit OS with NTFS File system Licensed, latest 32-64bit, Office suite Including word processor, spreadsheet, presentation for business (perpetual license) Slim and lightweight Wireless mouse With Bag	
52	Two (2) units Media Converter 1000Base-SX/LX multimode fiber to 1000Base-T converter, Full duplex mode, RJ45 and LC media interface, IEEE 802.3ab 1000BASE-TX, IEEE 802.3z 1000BASE-SX, Power and Link/Action Indicator, External power adapter	
53	Four (4) pieces SFP Tranceiver Multimode, 1000Base-SX LC port, 1Gigabit Full Duplex, compatible with HP/Aruba Network Switch	
54	Two (2) units Desktop Computer Branded Brand New PROCESSOR: 4 cores 4 performance cores 8 threads 3.3Ghz base Frequency to 4.3Ghz turbo frequency 12MB smart Cache 5MB L2 Cache OR HIGHER MEMORY: 8 GB DDR4 3200 Memory STORAGE: 1TB NVME M.2 SSD drive I/O: USB3 NVME M.2 VGA HDMI ports DISPLAY: 22 inches (min) LED IPS Monitor OPERATING SYSTEM: Latest Professional 64bit OS with NTFS File system ACCESSORIES: Mouse and Keyboard	
55	One (1) unit Docking station M.2 NVME to USB3 Docking station	
56	Two (2) unit Docking Station OUTPUT: 1.2kVA 650Watts 50/60 Hz INPUT: 230V 50/60 Hz +/- 5 Hz Auto-sensing CONNECTION TYPE: Input: IEC60320 C14 Output: 4 universal, 1 IEC 60320 C13 TOPOLOGY: Line Interactive BATTERIES: Lead-acid OTHERS: AVR LED status display with on line - on battery replace battery and overload indicators Alarm when on battery - distinctive low battery alarm overload continuous tone	

	<p>alarm</p> <p>COMPLIANCE: CE & CB Product Certification</p> <p>STANDARDS: EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018</p>	
57	<p>Two (2) pieces Wireless Router</p> <p>WiFi Capacity: Dual Band 4 Streams</p> <p>Wireless Standards: WiFi 6</p> <p>WiFi Speeds: 5 GHz: 2402 Mbps 2.4 GHz: 574 Mbps</p> <p>WiFi Range: 4x Fixed Antennas</p> <p>PROCESSOR: Dual-Core</p> <p>WAN Port: 1 x Gigabit</p> <p>LAN Port: 4x Gigabit</p> <p>OTHERS: USB Support WiFi Encryption</p> <p>Network Security: Stateful Packet Inspection Firewall Real-Time IoT Protection VPN Server VPN Client</p> <p>Software: NAT Forwarding IPTV DHCP Cloud Service DDNS Tether App and Web Management</p> <p>CERTIFICATION: FCC CE RoHS</p>	
58	<p>Two (2) pieces Access Point</p> <p>Indoor Managed Wireless Access Point</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Wireless Frequency: 2.4 GHz and 5 GHz</p> <p>Signal Rate: 5 GHz: Up to 1201 Mbps 2.4 GHz: Up to 574 Mbps</p> <p>Interface: Gigabit Ethernet (RJ-45) Port</p> <p>Antenna: Omni - 2.4 GHz: 2Ãf 4 dBi 5 GHz: 2Ãf 5 dBi</p> <p>Wireless Functions: 1024-Quadrature Amplitude Modulation (QAM) Multiple SSIDs Multi-user, multiple-input, multiple-output technology supports concurrent users accessing WiFi 6 and 6E networks (uplink and downlink) Transmit power control Enable/Disable wireless radio Band Steering</p> <p>Wireless Security: Wireless Mac Address Filtering SSID to VLAN Mapping 802.1xSupport Rogue AP Detection Captive Portal Authentication Access Control Multiple Authentication</p> <p>Transmit Power: <20 dBm(2.4 GHz) <23 dBm(5 GHz)</p> <p>OTHERS: PoE+ Powered Cloud Access Email Alerts Local/Remote System Log SSH Web-based management VLAN management L3 management</p>	

	CERTIFICATION: CE FCC RoHS	
59	Five (5) pieces External Data Storage external disk drive 4TB	
60	Two (2) pieces Portable External Hard Disk Drive 2.5"" External Drive, 5TB Capacity, USB 3.0, Windows/Mac Compatible	
61	Two (2) pieces Network Switch Layer 2 Managed, 8 RJ-45 auto-sensing 10/100/1000 ports, 802.3at/af PoE compliant, 2x G SFP Port, 10Gbps Throughput, 20 Gbps Switching Capacity, 14.88 Mpps Forwarding Rate, VLAN, QoS, SNMP v2/v3, SSH Connection, 150W Power Consumption, 100-240VAC/50-60 Hz Universal Power Input, Compatible with existing Ubiquiti UniFi Controller	
62	Four (4) pieces Cooling Pad 4 Port USB Hub to expand connectivity 180 mm fan Silent and Powerful with power on/ off function 4 Height Adjustments for optimal working / typing angles Supports Large Laptops up to 19"; Fan Power Consumption -0.9 - 2.25 W	
63	Four (4) units Headphones Computer Accessories, Headset, wired dual plug, Input Impedance: 22/32ohms, Sensitivity (headphone): 100 dB +/-3 dB; 122 dB +/-3 dB Sensitivity (microphone): -58dBV/PA, -38dBV/Pa +/-4 dB; -44 dBV/Pa +/- 2.5 dB Frequency response (Headset): 20 Hz - 20 kHz Frequency response (Microphone): 100Hz-16KHz/100Hz-6.5KHz Cable Length-1.8-2.5m	
64	Three (3) units Desktop Computer (All-in-One Computer) Latest exFAT: NTFS File Format, 64-bit, Processor: 4 cores / 8 threads Memory: 8 GB, 32 GB Maximum Memory Supported, DDR4 SDRAM Total Hard Drive Capacity 1 TB, Serial ATA Hard Drive Interface, 256 GB Solid State Drive Capacity Display and Graphics:	

	<p>Screen Size 60.5 cm (23.8"), LED, Active Matrix TFT Colour LCD, Full HD, Screen Resolution 1920 x 1080, Iris Xe Graphics eligible With office productivity including word processor, spreadsheet, presentation for business 65 W Maximum Power Supply Wattage</p>	
65	<p>Two (2) units Laptop</p> <p>Latest exFAT: NTFS File Format Processor Speed of 2.40 GHz, Quad-core (4 Core, 8 threads), 11th Gen Display & Graphics: NVIDIA, GeForce MX330 Controller Model, 2 GB Graphics Memory Capacity, Screen Size 39.6 cm (15.6"), LCD, Screen Resolution 1920 x 1080 Standard Refresh Rate 60 Hz Memory: 8 GB Installed System Memory, DDR4 SDRAM System Memory Technology Storage: 1 TB Total Solid State Drive Capacity, PCIe NVMe Network & Communication: IEEE 802.11ax, Gigabit Ethernet, Bluetooth 5.1 or above With office productivity including word processor, spreadsheet, presentation for business</p>	
66	<p>One (1) unit Scanner</p> <p>Scanner with Automatic Document Feeder Able to scan: Black-and-White, Grayscale or Color mode Capacity: 50 sheets Document Sizes: Paper size Minimum: 2.1" x 2.9 Paper size Maximum: 8.5" x 36 Scanner Type: Sheet-fed, one-pass duplex color scanner Scanning Speed: up to 26 ppm/52 ipm1 Optical Resolution: 600 dpi Output Resolution: 75 to 1200 dpi Effective Pixels: 5,100 x 21,600 pixels</p>	
67	<p>Three (3) units Headphones</p> <p>Wireless headphones with microphone Set Wireless headphone USB-C receiver USB-C to USB-A adapter Charging cable</p> <p>TECHNICAL SPECIFICATIONS Microphone Frequency Response: 100-8 kHz</p>	

	<p>Speakers</p> <p>Frequency response (music mode): 20-20 kHz</p> <p>Frequency response (talk mode): 100-8 kHz</p> <p>Audio compliance: Compliant to EN 50332</p> <p>Battery</p> <p>Battery life (talk time): 18 hrs</p> <p>Battery life (listening time): 20 hrs</p> <p>Charging</p> <p>2 hrs for a full charge</p> <p>USB-C charging cable: 1.5 m</p> <p>Wireless</p> <p>Bluetooth version: 5.2</p> <p>Wireless range: Up to 50 m (open field line of sight)</p>	
68	<p>One (1) unit Computer monitor</p> <ul style="list-style-type: none">- Display Type: LED-backlit LCD monitor, 24 inch- Panel Type: IPS- Resolution: Full HD (1080p) 1920 x 1080 at 75 Hz- Horizontal and Vertical Viewing Angle: 178- Screen Coating: Anti-glare, flicker free- Bezel Type: Flat front, slim bezel- Display Position Adjustments: Tilt- HDMI, VGA, Power port- standard warranty	
69	<p>Five (5) units Ergonomic wireless mouse</p> <ul style="list-style-type: none">- right-hand contoured mouse for average hand size- AA battery- optical sensor, smooth cursor control, precise tracking and easy text selection- 2.4 GHz wireless connection- sensor resolution: 1000 dpi- wireless receiver/USB, plug and play- wide scroll wheel- black or white- compatibility: Windows, Mac OS, Chrome OS	
70	<p>One (1) unit Laptop</p> <p>Brand New laptop</p> <p>(min) i3 11th gen or later or equivalent processor. 2 cores / 4 threads, 1.2Ghz base frequency to 3.4Ghz turbo frequency. 4MB cache, 10nm</p> <p>Built-in Graphics (min)</p> <p>1 pc DDR4 memory 8GB (min)</p> <p>250GB NVME M.2 SSD (min)</p>	

	14" LED Screen Wireless mouse, USB2, USB3, HDMI, VGA (optional) minimum 3 USB ports Licensed, latest 64bit OS with NTFS File system Licensed, latest 32-64bit, Including word processor, spreadsheet, presentation for business Slim and lightweight	
71	Four (4) units Flash Drive 32GB	
72	Two (2) units Mouse Wireless, 2.4G Hz, 10 - 15 operating range, optical sensor, right-handed fit	
73	Two (2) units Webcam Full HD Wide Angle Webcam with noise cancelling mics	
74	One (1) unit Digital Voice Recorder Up to 4 GB of built-in storage, expandable via microSD (SDHC/SDXC) cards	
75	One (1) unit Printer Color printer print technology: laser Processor speed:800 MHz Display:2-line graphical LCD display Print resolution: Up to 600x600 dpi Print smart software features: wireless printing, Ethernet networking Print speed black: Normal: Up to 21 ppm Print speed color: Normal: Up to 21 ppm Print quality black (best) :Up to 600 x 600 dpi Print quality color (best) :Up to 600 x 600 dpi	
76	One (1) pieces Laser Presentation Remote Class: 2 laser Wireless technology: 2.4 GHz wireless technology Operating distance: Approx 10 m	
77	One (1) unit Mouse Usb-A port type, 1,600 DPI optical sensor	
78	One (1) unit Keyboard Device Interface: Rf Wireless ; Frequency Band: 2.4 Ghz; Power Source Type: Battery; Keyboard Battery Type: AAA; Number Of Batteries (Keyboard): 2; Windows Operating Systems Supported: Windows 10,Windows 11	
79	One (1) piece External Data Storage	

	Portable External Solid State Drive (SSD),2 TB, Compatible with Windows 10, Windows 8.1, Windows 7, Mac OS High Sierra, Sierra Mac OS X El Capitan; Interface Type: USB 3.0; After sale: 3 years warranty	
80	One (1) unit Laptop 11th gen or later or equivalent. 4 cores / 8 threads, 1.6Ghz base frequency to 4.2Ghz turbo frequency, 6MB cache, 14nm, GPU with 2GB DDR5 memory graphics, 1 pc DDR4 2666 memory 8GB (min), 512GB M.2 SSD (min), 14"; LED, Wireless mouse, USB2,USB3, VGA, HDMI (optional), minimum 3 USB ports, Licensed OS, latest 64bit with NTFS File system, Licensed productivity suite, latest 32-64bit, Including word processor, spreadsheet, presentation for business, Slim and lightweight	
81	One (1) unit Keyboard Specs: Wired, soft touch, black, silent keys and standard layout with full-size F-keys and number pad	
82	One (1) unit Mouse Type: Wired Operation Mode: Opto-electronic Interface Type: USB Color: Black	
83	One (1) unit Printer Inkjet Printer (All in one Copy, Scan, Print) Ink tank system Auto duplex printing Automatic Document feeder USB2, Ethernet, Wifi and Wifi direct interface Borderless printing up to A4 size 2.4; Colour LCD Control Panel 15ipm black and 8.0ipm color print speed	
84	One (1) unit CPU with OS Branded/Brand New Processor: (min)11th gen or later or equivalent. 6 cores / 12 threads, 2.6Ghz base frequency to 4.4Ghz turbo frequency, 12MB cache, 14nm Motherboard: 4 USB ports with 2 USB3 (min), PCIE port, 4 SATA ports (min), Gigabit Ethernet port, 2 memory banks (min) DDR4 support, M.2 port Memory: 1 pc DDR4 2666 memory 8GB (min)	

	<p>Hard drive: 1TB M.2 SSD Drive</p> <p>Video Card: with 2GB Memory with latest GPU, VGA port, DVI port, HDMI</p> <p>Operating System: Licensed Professional, latest 64bit with NTFS file system, for network domain environment</p> <p>Office productivity software: Licensed, latest 32-64bit, Including word processor, spreadsheet, presentation for business.</p>	
85	<p>Two (2) units CPU with OS</p> <p>Branded/Brand New</p> <p>Processor: (min) 11th gen or later or equivalent. 6 cores / 12 threads, 2.6Ghz base frequency to 4.4Ghz turbo frequency, 12MB cache, 14nm</p> <p>Motherboard: 4 USB ports with 2 USB3 (min), PCIE port, 4 SATA ports (min), Gigabit Ethernet port, 2 memory banks (min) DDR4 support, M.2 port</p> <p>Memory: 1 pc DDR4 2666 memory 8GB (min)</p> <p>Hard drive: 1TB M.2 SSD Drive</p> <p>Video Card: with 2GB Memory with latest GPU, VGA port, DVI port, HDMI</p> <p>Operating System: Licensed Professional, latest 64bit with NTFS file system, for network domain environment</p> <p>Office productivity software: Licensed, latest 32-64bit, Including word processor, spreadsheet, presentation for business.</p>	
86	<p>One (1) piece Portable External Hard Drive</p> <p>data storage, 2TB capacity, USB 3.2 interface, compatible with Windows and Mac OS</p>	
87	<p>Two (2) units Monitor</p> <p>24in IPS LED Computer Monitor, 1920 x 1080 Pixels</p>	
88	<p>Two (2) units UPS</p> <p>Back-up Power Supply Specs: 325 Watts (min) /650VA Line interactive Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leak-proof Output Connections: (2 minimum) Universal Receptacle</p>	
89	<p>One (1) unit Computer Desktop</p>	

	Branded Desktop PC or Brand New Desktop PC 4 cores / 4 performance cores / 8 threads / 3.3Ghz base Frequency to 4.3Ghz turbo frequency / 12MB smart Cache / 5MB L2 Cache / built-in Graphics processor USB3 / NVME M.2 / VGA / HDMI ports / 12th gen support Motherboard 8 GB DDR4 3200 Memory NVME M.2 SSD drive 512GB, 22' min LED IPS Monitor, Latest Professional 64bit OS with NTFS File system, USB Mouse and Keyboard, Perpetual licensed Office productivity Suite for business with 650VA UPS	
90	Two (2) units Flash drive USB OTG Type C Flash Drive, 1TB capacity, compatible with Windows and Mac OS	
91	Two (2) units Monitor 20x4 lcd / display i2c whit on blue	
92	One (1) piece Pocket Wifi cat 7 LTE category, dual band (2.4 GHz & 5 Ghz)	
93	One (1) unit Powerbank cylinder shape powerbank, 5000 mah, ultra compact lightweight, white color for micro type connector	
94	One (1) unit UPS 850W; 650VA	
95	One (1) unit UPS 1200 VA; 650 watts	
96	One (1) unit Desktop Computer Processor: (min) 12th gen or later / equivalent, 6 cores / 6 threads, 2.50 Ghz base frequency to 4.40Ghz turbo frequency, 18MB cache Motherboard: 1 audio-out and audio-in, 2x Gen 2 Type C, 3x USB 3.2, 1 RJ-45; Wi-Fi 6E Memory: 16 GB DDR4 3600 Mhz memory (total) Hard Drive: 500 GB SSD Video: 8GB GDDR6 with DLSS support and latest graphics driver Monitor: None Form Factor: Tower, Pre-Built Software OS: Licensed Professional, latest 64-bit with NTFS file system, for network domain environment Software Productivity: Licensed, latest 32-64bit, including word processor,	

	spreadsheet, presentation, database management for business	
97	<p>One (1) unit Laptop Computer</p> <p>Brand New Laptop Processor: (min) i5 10th gen or later / equivalent, 6 cores / 12 threads, 2.50Ghz base frequency to 4.50Ghz turbo frequency, 12MB cache, 14nm</p> <p>Motherboard: 1x USB Type-C 3.2 Gen1, 3x USB Type-A 5Gbps USB 3.2 Gen-1, 1 RJ-45; 1 HDMI 4K @ 30hz, Wi-Fi 6 802.11 ax, Bluetooth 5.1</p> <p>Memory: 8 GB DDR4 3200MHz memory (total)</p> <p>Hard Drive: 512 TB M.2 NVME SSD</p> <p>Video: 4 GB GDDR6 dedicated with the latest GPU</p> <p>Form Factor: Laptop, 15.6" Full HD IPS 60Hz</p> <p>Software OS: Licensed Professional, latest 64-bit with NTFS file system, for network domain environment Software Productivity: Licensed, latest 32-64bit, including word processor, spreadsheet, presentation, database management for business</p>	
98	<p>Five (5) units UPS</p> <p>Input: Voltage 230 Vac Nominal, Frequency 47-63 Hz, Brownout Transfers 155, Vac Typical, Over-voltage Transfer 290 Vac Typical Output: UPS Capacity, (3 battery backup outlets), 625 VA, 325 W, Total Amperage (all outlets), 7 A (including UPS output), Voltage - On Battery 230 ± 8%, Frequency - On Battery 50 or 60 Hz + 1 (auto-sensing) Transfer Time 6 ms Typical, 10 ms maximum, Protection and Filtering, AC Surge Protection, Full time, 273 Joules, EMI/RFI Filter Full time, AC Input Resettable circuit breaker</p> <p>Battery: Type Sealed, maintenance-free, lead acid, 12V, 7Ah, Average Life 2 - 3 years depending on the number of discharge cycles and environmental temperature</p>	
99	<p>Two (2) units Voice Recorder</p> <p>High quality Digital voice recorder with a built-in USB connection, Internal 4GB Memory; microSD Expansion, MP3 recording format with noise reduction</p>	
100	<p>Three (3) pieces USB Wireless Presenter</p> <p>Red Laser-Pen Pointer PPT Remote Control With Handheld Pointer For PowerPoint Presentation</p>	
101	Two (2) units Laptop	

	<p>Processor: (min)10th gen or later / equivalent, 6 cores / 12 threads, 2.50Ghz base frequency to 4.50Ghz turbo frequency, 12MB cache, 14nm</p> <p>Motherboard: 1x USB Type-C 3.2 Gen1, 3x USB Type-A 5Gbps USB 3.2 Gen-1, 1 RJ-45; 1 HDMI 4K @ 30hz, Wi-Fi 6 802.11 ax, Bluetooth 5.1</p> <p>Memory: 8 GB DDR4 3200MHz memory (total)</p> <p>Hard Drive: 512 TB M.2 NVME SSD</p> <p>Video: 4 GB GDDR6 dedicated with the latest GPU</p> <p>Form Factor: Laptop, 15.6" Full HD IPS 60Hz</p> <p>Software OS: Licensed Professional, latest 64-bit with NTFS file system, for network domain environment</p> <p>Office Productivity Software: Licensed 32-64 bit including Word, Spreadsheet, Powerpoint</p>	
102	<p>Six (6) units Mouse</p> <p>Wireless mouse 2.4 Ghz, Interface: USB, Power Type: AA Battery</p>	
103	<p>One (1) unit Desktop Computer</p> <p>Branded Desktop PC</p> <p>4 cores / 4 performance cores / 8 threads / 3.3Ghz base Frequency to 4.3Ghz turbo frequency / 12MB smart Cache / 5MB L2 Cache / built-in Graphics processor</p> <p>USB3 / NVME M.2 / VGA / HDMI ports / 12th gen support Motherboard</p> <p>8 GB DDR4 3200 Memory</p> <p>NVME M.2 SSD drive 512GB</p> <p>22" min LED IPS Monitor</p> <p>Latest Professional 64bit OS with NTFS File system</p> <p>USB Mouse and Keyboard</p> <p>Perpetual licensed Office productivity Suite for business</p> <p>650VA UPS</p>	
104	<p>One (1) unit Voice Recorder</p> <p>High quality Digital voice recorder with a built-in USB connection, Internal 4GB Memory; microSD Expansion, MP3 recording format with noise reduction</p>	
105	<p>Two (2) pieces External Hard Drive</p> <p>Portable Hard Drive 5TB. External HDD USB 3.0 for PC, Laptop</p>	
106	<p>One (1) unit Printer</p>	

	Print, Scan, Copy, Fax Compact integrated tank design High yield ink bottles Spill-free, error-free refilling Wi-Fi, Wi-Fi Direct Seamless setup Borderless printing up to 4R	
Additional Requirements: <ol style="list-style-type: none">1. All laptop and desktop computer licensed soft wares offered must be supported by a certification from the supplier2. Soft copy of Section VII. Technical Specifications to be emailed one day after the opening of bids, or included in the bidding documents saved in CD or USB.		

I hereby verify to comply with all the above requirements.

Signature over the printed name of the authorized representative

Company name

Date