



National Center for Mental Health

LIST OF ITEMS FOR PUBLIC BIDDING CY2023 SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND TESTING OF VARIOUS ELECTRONIC EQUIPMENT FOR TELEMEDICINE

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	VEE 23-01	COMPUTER SET	1	LOT	677,660.00	677,660.00
		DESKTOP PC	10	SET	56,300.00	563,000.00
		<ul style="list-style-type: none"> Factor: Mid-tower w/ ATX 24 pins power supply unit Processor: Intel Core i5, up to 4.6 Ghz (13th Generation) Memory: 16 GB DDR4 Dual Storage: 256 SSD & 1 TB HDD Graphics: UHD Graphics Monitor: 22" LCD USB optical keyboard and mouse w/ mousepad Wi-Fi enabled, built-in wireless LAN 802.11 G/N card module, bluetooth wireless card Gigabit LAN Audio port Internal speaker Ports: 4 X USB 2.0 (Front/Rear), 2 x USB 3.0 (Front/Rear) USB Type C, HDMI & VGA w/ uninterrupted power supply (UPS) at least 650 VA OS: Genuine MS Windows Professional 64 bit Pro licensed Warranty: Three (3) years on parts and labor 				
		HEADSET	10	UNIT	1,600.00	16,000.00
		<ul style="list-style-type: none"> (Jabra Evolve 20) On-ear headband Connectivity: USB Speaker sensitivity: 93.6 db SPL at 1 kHz Speaker impedance: 32+/-4.8Ω at 1.0 kHz Speaker max input power: Rated input 5 mW @ 0.4V, max input 10 mW @ 0.56 V Microphone type: electret condenser (ECM) Microphone frequency range: 100 Hz - 10 kHz @ 6 dB 				
		WEBCAM	10	UNIT	950.00	9,500.00
		<ul style="list-style-type: none"> (A4 Tech PK-910H 1080P Full HD Webcam) 				

"There is no Health without Mental Health"



		<ul style="list-style-type: none"> Resolution: Full HD 1080P, 1920 X 1080P Lens type: Full HD Glass Lens Viewing angle: 70 degrees Focus type: Fixed Focus Focus range: 60 cm and beyond Built-in mic: Digital HD Mic Frame rate: 30 fps USB: USB 2.0 Compatible with: Windows 7/8/10 or later Compatible with social and video calling software of the above system 				
		ALL-IN-ONE TANK PRINTER	4	SET	22,290.00	₱89,160.00
		<ul style="list-style-type: none"> Functions: Print, Scan, Copy, and ADF Printer type: Inkjet Printer Print Speed: 30 ipm (Fast Mode Mono A4) 26 ipm (Fast Mode Color A4) 17 ipm (ISO A4 Mono) 16.5 ipm (ISO A4 Color) Print resolution: FPOT: at least 1200 X 1600 2 Sided printing: YES Copy resolution: Print: Max. 1200 X 2400 dpi, Scan: Max. 1200 X 1600 dpi Scanner Bit Depth (Color): 30-bit input, 24-bit output Scanning resolution: Scan 1200 X 600 dpi ADF, Scan 1200 X 2400 dpi scanner glass Connectivity: Hi-speed USB 2.0 LAN: Ethernet 10/100Base-TX Auto Negotiation Wireless LAN: IEEE 802.11b/g/n (Infrastructure) IEEE 802.11g/n (Wi-Fi Direct) Complete cable accessories Per unit must have additional 2 bottles of BLACK INK and 1 bottle of colored inks C/M/Y Warranty: Two (2) years on parts and services 				
2	VEE 23-02	NOTEBOOK PC	10	UNIT	50,900.00	509,000.00
		<ul style="list-style-type: none"> Processor: Intel Core i5 12th generation or higher Memory: 15 GB SD RAM HD Graphics: Full HD Screen size: 14" Storage: at least 512 GB SSD Wireless connectivity: IEEE 802.11 a/b/g/n/ac/ax HD audio and microphone Headphone jack Bluetooth 5.0 Webcam Network (RJ-45) USB Ports: at least three interfaces 				

		<ul style="list-style-type: none"> Battery: Lithium Ion OS: Windows 11 Home Office suite: Microsoft Home and Student w/ complete accessories 				
3	VEE 23- 03	SMART TV	3	SET	19,580.00	58,740.00
		<ul style="list-style-type: none"> Capable of: Netflix, Voice Control, Web Browser, Mobile Screen, Mirroring, Youtube, Bluetooth Connectivity, Dolby Digital TV Resolution: 3840 x 1260 Ports Input: USB, HDMI, RF in (Terrestrial/Cable Input), Composite in (AV), Ethernet (LAN) Power Consumption: 150 – 250W Input Voltage: 100-240V Display Size: 55" 				
4	VEE 23- 04	EXPANDABLE POWER STATION	2	SET	99,800.00	199,600.00
		<ul style="list-style-type: none"> Capacity: 2,048 W (51.2 V, 40 Ah) Type: Life PO4 (Lithium Iron Phosphate) Life cycles: 3,500+ cycles to 80% original capacity Shelf-life: Recharge to 80% every 3-6 months Management system: MPPT Controller, BMS, etc. Output AC Outlet: 4X 220V/20A, Outlet 1X 120V/30A NEMA TT-30 2200 W in total Inverter type: Pure sine wave Surge power: 4800 W USB-C port 1: 1 X 100 W max. USB-A port 2: 2 X 5V/3A USB-A 2 X 18 W USB-A 12V DC Outlet: 1 X 12 V/10 A (Car outlet) 2 X 12 V/10 A DC 5521 (5.5 mm outlet) *All regulated. Wireless charging pad: 2 X 15 W Max. (for each) Input AC Adapter Input: 500 W Solar input: 900 W Max., VOC 10-145 VDC, 15 A Car input: 12/24 V from cigarette lighter port Max. input: 1,400 W, with AC + Solar input Recharge Time AC Adapter (500 W): 5.5 - 6 hours Solar (900 W): 3.5 - 3.5 hours (w/ prime sunshine, ideal orientation and low temperature) 12 V/24 V car outlet (100 W/ 200 W): 10 or 20 hours AC Adapter + Solar (1400 W): 2.0 - 2.5 hours (w/ prime sunshine, ideal orientation and low temperature) 				

		<ul style="list-style-type: none"> • Dual AC Adapters (1000 W): 3.0 - 3.5 hours • Warranty: 4 years 				
5	VEE 23- 05	MANAGED SWITCH 24-PORT	1	UNIT	100,000.00	100,000.00
		<p>Network Switches (24-port switch)</p> <p>A. Hardware specification</p> <ul style="list-style-type: none"> i. Must have 24 X 10/100/1000 POE + Ethernet ports ii. Must have at least 10/100/1000 4 SFP-based network module iii. Must support POE w/ a budget of 195 W, 30 W per port <p>B. Performance and scalability</p> <ul style="list-style-type: none"> i. Must have 256 MB of flash memory ii. Must have 512 MB of DRAM iii. Must have a throughput of at least 40 MPPS iv. Must have forwarding performance (64-byte packet size) of at least 28 Gbps v. Must have switching performance of at least 56 Gbps vi. Support up to 1023 active VLANs vii. Must support up to 4096 VLAN <p>C. Feature specification</p> <ul style="list-style-type: none"> i. Device management support with over-the-air access via bluetooth, Simple Network Management Protocol (SNMP), RJ-45 console access ii. Must have an automatic attempt to reactive link that is disabled because of network error iii. Must have the capability to be fully integrated into the existing network switches installed in the hospital <p>D. Must support fundamental switch features and must have the following standards:</p> <ul style="list-style-type: none"> i. IEEE 802.1D Spanning Tree Protocol ii. IEEE 802.1P CoS Prioritization iii. IEEE 802.1Q VLAN iv. IEEE 802.1S v. IEEE 802.1W vi. IEEE 802.1X vii. IEEE 802.1AB (LLDP) viii. IEEE 802.3ad <p>E. Must include maintenance support 8 X 5 X NBD (Next business day)</p> <p>F. Supports modern operating systems for the enterprise w/ support for model-driven programmability features</p>				
6	VEE 23- 06	WIRELESS ACCESS POINT	1	UNIT	100,000.00	100,000.00
		<p>Entry-level Wireless Access Point</p> <p>A. Radio specifications</p> <ul style="list-style-type: none"> i. Can support simultaneous device connections; radio 2 X 2:2 in both 2.4 GHz and 5 GHz ii. 2.4 GHz & amp; 5 GHz dual-band WIDS/WIPS, spectrum analysis, and amp; location analytics radio 				

	<ul style="list-style-type: none"> iii. 2.4 GHz bluetooth low energy (BLE) radio w/ beacon and BLE Scanning support iv. Supports multi-user, multiple-input, multiple-output technology (MU-MIMO) and utilizes Downlink Orthogonal Frequency Division Multiple Access (DL-OFDMA) multiplexing technique v. Supports 1024-QAM multiplexing vi. Supports maximal ratio combining (MRC) and amp; beam forming vii. Data rate up to 286 Mbps on 2.4 GHz and 1.2 Gbps on 5 GHz viii. Supports 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax standards ix. Has antenna gain of less than or equal to 4.5 dbi when using 2.4 GHz and less than or equal to 5 dpbi when using 5 GHz x. Supports roaming and mobility; PMK, OKC, and amp; 802.11r for fast Layer 2 roaming; distributed or centralized Layer 3 roaming xi. Supports bluetooth low energy xii. Supports mesh self-healing <p>B. Radio management</p> <ul style="list-style-type: none"> i. Must be seamlessly integrated with the existing cloud-based wireless controller of NCMH ii. Has the ability to change an AP's channel automatically within either the 2.4 or 5 GHz bands/channels when interference of contention conditions requires. iii. Has the ability to scan other channels to be able to detect congested and free ones; to efficiently detect rogue WAPs iv. Has the ability to redistribute clients on different bands dynamically to balance associated clietns so that APs can provide better Wi-Fi service to clients with weaker signals v. Has the ability to spread associated clients within adjacent WAPs vi. Has the ability to divide Wi-Fi Signal into many time slots and make each client take turns sending and receiving data from the network to improve efficiency; it must have the ability to prioritize certain connections vii. Must support L2-L4 ACLs viii. Must have diagnostic tools for spectrum analysis and network traffic ix. Analytics: <ul style="list-style-type: none"> x. Embedded location analytics reporting and device tracking xi. Global L7 traffic analytics reporting per network, per device, per application <p>C. Networking</p> <ul style="list-style-type: none"> i. 1 X 10/100/1000 BASE-T Ethernet (RJ45) ii. Supports 802.3af (PoE): 37-57 V iii. Must support rate limiting <p>D. Security</p> <ul style="list-style-type: none"> i. Supports WPA, WPA2, WPA3 - personal and enterprise ii. Supports AES and SAE encryption 			
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		<ul style="list-style-type: none"> iii. Can be integrated and support L2 - L7 stateful firwall from cloud-based wireless controller iv. Flexible guest access w/ device isolation v. Enterprise Mobility Management (EMM); Mobile Device Management (MDM) Integration Supports EAP-TLS, EAP-TTLS, EAP-MSCHAPv2, EAP-SIM vi. Supports VLAN tagging/pooling and tunneling w/ IPsec VPN vii. Real-time WIDS/WIPS w/ alerting and automatic rogue WAP containment <p>E. Wi-Fi Alliance Certifications</p> <ul style="list-style-type: none"> i. Wi-Fi Certified 6 ii. Wi-Fi Certified a, b, g, n, ac iii. WPA - Enterprise, Personal iv. WPA 2 - Enterprise, Personal v. WPA 3 - Enterprise, Personal <p>F. Perpetual license is preferred if applicable, if not, ot must include a 5-year license; with a 1-year warranty and advance replacement included</p> <p>G. Must be operational even if the cloud management license is no longer active</p> <p>H. POE injectors must be included</p>				
7	VEE 23- 07	HEAVY DUTY MONOCHROME MULTI-FUNCTION PRINTER	1	SET	230,000.00	230,000.00
		<ul style="list-style-type: none"> • Minimum of 45 ppm copy/ppm or higher • Copy, Print, Scan up to A3 Size • Minimum of multi-copy prints 1-9,999 sheets • Minimum of 300 sheets for document fedder: min. 35 gsm to max. 210 gsm • Warm-up time: 15s or less • 1st page out time: 3.8s or less • Resolution: 1800 X 600, 1200 X 1200 dpi • Memory: 8 GB or higher • Hard drive: 256 GB SSD standard • Network capability: Windows, Macintosh, Linux • With at least panel size 10" or higher • With at least 2 cassette tray (500 sheets per tray) and bypass tray (150 sheets or higher) • Scanning speed: 280 ipm in duplex or higher • Toner capacity range: 24,000-26,000 prints higher • Drum capacity range: 260,000-300,000 prints • Developer capacity range: 1,000,000-1.5M prints or higher • Power supply: 220-240V 50/60 Hz • With steel table/pedestal • Can print banner size 1200 X 297 mm • Minimum of 1 year warranty on parts • With initial toner and developer and drum • Package with external electronic stapler 				

	<ul style="list-style-type: none"> • Battery or plug in operating dual power operation • Dual direction design, horizontal and vertical • 40 sheets stapling capacity, 64 gsm • Flat clinch finishing • Rapid stapling performance • Noiseless operation - less than 70 dB • Adjustable stapling depth - 3-15.5 mm • Corner stapling, 45 degrees corner stapling • Easy staple loading - push a button and the magazines comes out to insert new staples • Staple storage compartment • Staple within 0.7s • Weight - 860g • Power consumption - less than 25 W • Loading capacity - 100 staples • Direct distributor form all the brand being offered (w/ attached certificate) • Warranty - 1 year 					
					TOTAL AMOUNT	PHP 1,875,000.00

Submitted by:


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 (End-User)

Recommending Approval:


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