



LIST OF ITEMS FOR PUBLIC BIDDING CY2022
SUPPLY, DELIVERY, COMMISSIONING AND TESTING OF HIGH-SPEED DEPARTMENTAL
SCANNER & SCANNING AND ARCHIVING SOFTWARE

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	HDS22-01	HIGH-SPEED DEPARTMENTAL SCANNER (Dual Scan, Straight-Pass Feeder, & Document Protection)	2	Piece	180,000.00	360,000.00
		Specifications: <ol style="list-style-type: none"> Dimensions: w 15in x d 15in x h 12in Daily Volume: At least 10,000 up to 20,000 pages per day Feeder Capacity: minimum of 200 sheets of 70 g/m2 Optical Resolution: 600dpi Document Size: 210mm x 297mm or A4, can also handle A8, ID cards, embossed hard cards and insurance cards Departmental Scanner Features: <ul style="list-style-type: none"> Dual-pass On-board automatic image processing (Automatic orientation, cropping, color balance, brightness, and contrast) Straight-through paper path option Document protection Multi-feed detection 				
2	HDS22-02	BUNDLED PROPRIETARY SOFTWARE W/ DOCUMENT ARCHIVING & INDEXING CAPABILITIES	2	Piece	70,000.00	140,000.00
		Specifications: <ol style="list-style-type: none"> Bundled proprietary software that can handle document archiving and automated indexing <ul style="list-style-type: none"> Digital stamping/watermark Content-based blank page removal De-skew Image edge and hole fill Image merge and split Standard Requirements: <ol style="list-style-type: none"> Delivery within 45 calendar days Certification that the unit is brand-new inclusive of out-of-the box warranty on parts and labor One (1) Year Warranty w/ on-site preventive maintenance Provision of training for End-Users and System Administrators – Installation and Configuration, Basic Troubleshooting, Preventive Maintenance Installation Assistance 				

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		6. Certification of availability of parts, and consumables subjected to wear and tear such as but not limited to feed tray, output tray, buttons, modules, pads and rollers, etc.				
		7. Technical Support during office hours				
					TOTAL	Php 500,000.00

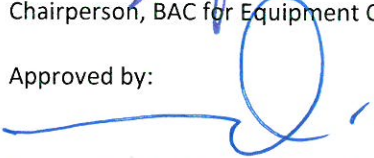
Submitted by:


JOSE MARX M. YUMUL
 (End-User)

Recommending Approval:


ALDEN C. CUYOS, MD, FPPA, IFAPA, MMHoA
 Chairperson, BAC for Equipment CY2022

Approved by:


NOEL V. REYES, MD, FPPA, MMHoA
 Medical Center Chief II



LIST OF ITEMS FOR PUBLIC BIDDING CY2022
SUPPLY, DELIVERY, COMMISSIONING AND TESTING OF ADDITIONAL PC DESKTOP AND PRINTERS

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	ADP22-01	3-in-1 Ink Tank Printer	59	Unit	9,300.00	548,700.00
		Specifications: <ol style="list-style-type: none"> 1. Printer Type: Print, Scan, Copy 2. Print Method: On-demand inkjet (Piezoelectric) 3. Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) 4. Maximum Resolution: 5760 x 1440 dpi 5. Photo Default - 10 x 15 cm / 4 x 6 " 6. Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless) 7. Draft, A4 (Black / Colour): Up to 33.0 ppm/ 15.0 ppm 8. ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm 9. Maximum Copy Resolution: 600 x 600 dpi 10. Scan speed, Flatbed (Black / Colour): 200dpi: Up to 11 sec / Up to 32 sec 11. Black Ink Bottle: Page Yield: 4,500 Pages 12. Cyan Ink Bottle: Page Yield: 7,500 Pages (Composite Yield), 13. Magenta Ink Bottle: Page Yield: 7,500 Pages (Composite Yield), 14. Yellow Ink Bottle: Page Yield: 7,500 Pages (Composite Yield) 				
		Impact Dot Matrix Printer	9	Unit	12,950.00	116,550.00
		<ol style="list-style-type: none"> 1. Printer Method: Impact Dot Matrix 2. Control Panel: 4 switches and 5 LEDs 3. Print Direction: Bi-direction with logic seeking Number of Pins in Head: 9 pins 4. Control Code: ESC/P and IBM PPDS emulation 5. Number of Pins: 9 6. Character Sets: Italic table, PC437 (US Standard Europe), PC850 (Multilingual Bitmap Fonts): <ol style="list-style-type: none"> a. Epson Draft: 10, 12, 15 cpi; Epson Roman & Sans Serif: 10, 12, 15 cpi, Proportional, Epson OCR-B b. High Speed Draft: (10 / 12 / 15 cpi): 347 / 357 / 390 cps (Condensed, 17 / 20 cpi): 383 / 298 cps c. Draft: (10 / 12 / 15 cpi): 260 / 312 / 223 cps (Condensed, 17 / 20 cpi): 222 / 260 cps (Emphasized, 10 cpi): 130 cps d. NLQ: (10 / 12 / 15 / 17 / 20 cpi): 65 / 78 / 55 / 47 / 56 cps 				

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		Supplier Requirements: <ol style="list-style-type: none"> 1. Certification of that the unit being offered must be brand new and not a discontinued. 2. Delivery period of 90 days 3. Current and valid Certificate of Manufacturer's compliance with ISO and/or CE certificate or its equivalent. 4. Certificate that the supplier has the capability for corrective and preventive maintenance of the unit. 5. Certification of After Sales Service that components/parts for the Backup storage solution shall be available at the authorized Philippine Service Center/s for a period of at least three (3) years after the warranty period 6. Certification from the manufacturer or main authorized distributor in the Philippines that all proposed items will not reach its END-OF-LIFE (products) and END-OF-SUPPORT (services) in 3 years' time from the date of award of contract. 7. Warranty Certificate: One (1) year for parts and one (1) year for service from the date of delivery; Provide an immediate RMA or backup unit at any time the HCI equipment is not working or under repair. 8. List of authorized Customer support/service centers near Mandaluyong City. The list must indicate the complete and existing business address, telephone and fax number/s, email address, and complete name of the contact person 9. Certification that the supplier will be responsible for notification, transportation to the site, delivery and testing on site and expenses for such will be on the account of the supplier. 				
2	ADP22-02	All-In-One Desktop Computer	62	Unit	46,549.00	2,886,038
		Specifications: <ol style="list-style-type: none"> 1. 23.8" FHD LED (1920x1080) Display 2. Intel Core i3 12th Gen Processor 3. 8GB DDR4 4. 256GB SSD + 1TB HDD 5. HD Graphics 6. Integrated 1.0 MP HD high-sense webcam 7. Windows 10 or 11 8. Wired Keyboard and Mouse 9. WiFi 10. Bluetooth 11. HDMI Port 12. USB 3.0 Ports 13. Gigabit LAN 14. Speakers 15. Microsoft Office Home and Student 2019 16. USB Keyboard and Mouse 17. UPS 650VA 455 Watts Supplier Requirements: <ol style="list-style-type: none"> 1. Certification of that the unit being offered must be brand new and not a discontinued. 				

		<div>2. Delivery period of 90 days</div> <div>3. Current and valid Certificate of Manufacturer's compliance with ISO and/or CE certificate or its equivalent.</div> <div>4. Certificate that the supplier has the capability for corrective and preventive maintenance of the unit.</div> <div>5. Certification of After Sales Service that components/parts for the Backup storage solution shall be available at the authorized Philippine Service Center/s for a period of at least three (3) years after the warranty period</div> <div>6. Certification from the manufacturer or main authorized distributor in the Philippines that all proposed items will not reach its END-OF-LIFE (products) and END-OF-SUPPORT (services) in 3 years' time from the date of award of contract.</div> <div>7. Warranty Certificate: One (1) year for parts and one (1) year for service from the date of delivery; Provide an immediate RMA or backup unit at any time the HCI equipment is not working or under repair.</div> <div>8. List of authorized Customer support/service centers near Mandaluyong City. The list must indicate the complete and existing business address, telephone and fax number/s, email address, and complete name of the contact person</div> <div>9. Certification that the supplier will be responsible for notification, transportation to the site, delivery and testing on site and expenses for such will be on the account of the supplier.</div>				
					TOTAL	Php 3,551,288.00

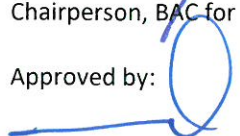
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 Medical Center Chief II



National Center for Mental Health

LIST OF ITEMS FOR PUBLIC BIDDING CY2022

DEPLOYING, COMMISSIONING, CONFIGURATION, INSTALLATION OF ICT NETWORK INFRASTRUCTURE ON NCMH MEGA MODULAR HOSPITAL AND NCMH TRIAGE

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	ICT22-01	ICT Network Infrastructure on NCMH Mega Modular Hospital and NCMH Triage	1	lot	6,500,000.00	6,500,000.00
		Scope of Works: <ol style="list-style-type: none"> 1. Deploy, commission, install wireless access points to designated locations. 2. Supplier must provide cabling (provide high-quality CAT6 cable) and civil works required to make the wireless access points operational. 3. Integrate the security policies of newly procured wireless access points to NCMH firewall. 4. Supplier must provide additional Fiber Optic backbone connection on following location: <ol style="list-style-type: none"> a. Modular Hospital 1 to Pavilion 22 b. Modular Hospital 3 to Pavilion 22 c. NCMH Triage to Pavilion 1 5. Supplier must provide additional Fiber Optic backbone connection on following location: <ol style="list-style-type: none"> a. Modular Hospital 1 to Modular 2 b. Modular Hospital 3 to Modular 5 6. Configure, deploy and commission procure network switches on following locations: <ol style="list-style-type: none"> a. 24 port switch <ul style="list-style-type: none"> • Modular Hospital 1 • Modular Hospital 2 • Modular Hospital 3 • Modular Hospital 5 b. 16 port switch <ul style="list-style-type: none"> • NCMH Triage 7. Supplier shall install and deploy structured cabling on the following locations: <ol style="list-style-type: none"> a. Modular Hospital 3 b. Modular Hospital 4 c. Modular Hospital 5 d. Modular Hospital 6 8. Supplier shall provide all the equipment, modules, devices and licenses needed in implementing, commissioning and deploying this project. 9. Define and configure administrative and system security policies, practices and codes. 10. Test and debug system. 11. Prepare hardened system and turnover of administrative rights to NCMH. 				

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12. Other works and materials that may have been omitted here but are necessary to put the system in operation and to complete the works to commission and implement the system within the required period.

Technical Specifications

1. System Specifications (Wireless Controller)
 - a. Simplified Deployment
 - Can support cloud-based management.
 - Supports customer self-service.
 - Supports guided workflow for network management.
 - Simplified RF optimization for high-performance RF design.
 - Automated network policy and updates.
 - Automatic connection to cloud management.
 - Can support simulated Radio Frequency planning and has the ability to swap these to live wireless access points.
 - Supports zero touch and auto-provisioning.
 - b. Centralized Management
 - Supports role-based policies thru LDAP/Active Directory.
 - Supports Single-Sign on.
 - Provides Radio Frequency templates for wireless access points.
 - Centralized and Bird's eye view of all wireless local area network RF design.
 - Ability to bulk edit, updates, configuration, restore, audit, restore and backup of wireless access points including creation, scheduling, updating and editing of SSID's.
 - Supports multiple user profiles for each SSID.
 - Ability to monitor status of AP's and WLANs.
 - Supports WAP groups for segmenting SSIDs for different locations.
 - Client classification by location, OS type and MAC Addresses.
 - Supports QOS Policy and traffic shaping.
 - c. Wireless Network Security and operations
 - Supports network security firewall from Layer 2 up to Layer 7.
 - Supports IEEE PSK, DPSK, and 802.1x protocol.
 - Supports AI and Machine Learning-Driven network analytics and assurance.
 - Supports WIPS and WIDS for rogue wireless access point detection.
 - Connection between cloud-based wireless controller and wireless access points must be tunneled (CAPWAP), encrypted, and out-of-band.
 - When accessing cloud-based wireless controller, TLS protocol must be present.
 - Support Multi-factor authentication.

		<ul style="list-style-type: none"> • Supports rogue AP and rogue client monitoring. • Supports real time client behavioral analytics for better detection. • Supports datacenter high availability – includes geographical and cloud network redundancies. <p>d. Features:</p> <ul style="list-style-type: none"> • Supports graphical widgets (GUI) • Supports user analytics – includes client usages and history, live-logging, live troubleshooting tools, cloud health management, and reporting – includes historical and live connections. • Supports view for all WAP's – includes network policies, radiation pattern, connected clients and health. • Alarms and events lists for live connections. • Real-time troubleshooting with probe messages and stage filters • historical troubleshooting with automatic issue detection. • Supports load balancing amongst Wireless Access Points. <p>2. Wireless Access Points</p> <p>a. Radio Specifications</p> <ul style="list-style-type: none"> • Can support simultaneous device connections with built-in 8 spatial streams; Radio 4x4:4 in both 2.4GHz and 5GHz. • Supports Multi-user, multiple-input, multiple-output technology (MU-MIMO) and utilizes orthogonal frequency division multiple access (OFDMA) multiplexing technique. • Supports 1024-QAM multiplexing. • Supports maximal ratio combining (MRC) & beam forming. • Data rate up to 500Mbps on 2.4GHz and 1.5Gbps on 5GHz. • Supports 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax standards • Support bandwidth of: <ul style="list-style-type: none"> - 802.11ax: 4 to 2400 Mbps - 802.11ac: 6.5 to 1732 Mbps - 802.11n: 6.5 to 600 Mbps • Supports at least 16 SSIDs per AP. • Support at least 512 users per radio. • Has antenna gain of less than or equal to 4.5dbi when using 2.4Ghz and less than or equal to 5dbi when using 5Ghz. • Supports roaming and mobility. • Supports Bluetooth Low Energy. • Supports mesh self-healing. <p>b. Radio Management</p> <ul style="list-style-type: none"> • Has the ability to change an AP's channel automatically within either the 2.4 or 5 GHz bands/channels when interference or contention conditions require. 				
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		<ul style="list-style-type: none"> • Has the ability to scan another channels to be able to detect congested and free ones. Also, to efficiently detect rogue WAPs. • Has the ability to redistribute clients on different bands dynamically to balance associated clients so that AP's can provide better Wi-Fi service to clients with weaker signals. • Has the ability to spread associated clients within adjacent WAPs. • Has the ability to divide Wi-Fi signals into many time slots and make each clients to take turns to send and receive data from the network to improve efficiency. Also, it must have the ability to prioritized certain connections. • Must support L2-L4 ACLs. • Must have diagnostic tools for spectrum analysis and network traffic. <p>c. Networking</p> <ul style="list-style-type: none"> • 1 - 100/1000/2500 Mbps auto-negotiation RJ45 Ethernet port. • 1 - 10/100/1000 Mbps auto-negotiation RJ45 Ethernet port. • Supports 802.3af (PoE) and 802.3at (PoE+). • Must support rate limiting. • Support VPN technologies such as L2TP, GRE and Soft GRE. <p>d. Security</p> <ul style="list-style-type: none"> • Supports WPA, WPA2, WPA3 - Personal and enterprise. • Supports AES and SAE encryption. • Can be integrated and supports L2 to L7 stateful firewall from cloud-based wireless controller. • Supports EAP-TLS, EAP-TTLS, EAP-MSCHAPv2, EAP-SIM. • Supports VLAN tagging/pooling and tunneling with IPsec VPN. • Real-time WIDS/WIPS with alerting and automatic rogue WAP containment. <p>e. Wi-Fi Alliance Certifications</p> <ul style="list-style-type: none"> • Wi-Fi CERTIFIED 6™ • Wi-Fi CERTIFIED™ a, b, g, n, ac • WPA™ - Enterprise, Personal • WPA2™ - Enterprise, Personal • WPA3™ - Enterprise, Personal <p>f. Perpetual license is preferred if applicable but if not, it must include 5-year license.</p> <p>g. Must be operational even if the cloud management license is no longer active.</p> <p>h. POE injectors must be included. See the Expected Deliveries Section for numbers.</p> <p>3. Network Switches (24-port switch)</p> <p>a. Hardware Specification</p> <ul style="list-style-type: none"> • Must have 24 x 10/100/1000 POE+ Ethernet ports. 				
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		<ul style="list-style-type: none"> • Must have at least 10/100/1000 4 SFP based network module. • Must have redundant uplinks. • Must support POE with a budget of 195W, 30W per port. <p>b. Performance and Scalability</p> <ul style="list-style-type: none"> • Must have 4 GB of Flash Memory. • Must have 4 GB of DRAM. • Must have throughput of at least 95 Mpps. • Must have forwarding performance (64-byte packet size) of at least 128 Gbps. • Support up to 1023 active VLANs. • Must support up to 4096 VLAN. <p>c. Feature Specification</p> <ul style="list-style-type: none"> • Must have Cryptographically signed images provide assurance that the firmware, BIOS, and other software are authentic and unmodified. • Must have automatic configuration of QoS that allows switch to manage QoS policies based on traffic types resulting in zero-touch traffic engineering. • The propose switch must support hibernation mode that puts the switch in ultra-low power mode during periods of non-operation. <p>d. Must support fundamental switch features such as: Layer 2 and must have the following Standards:</p> <ul style="list-style-type: none"> • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1P CoS Prioritization • IEEE 802.1Q VLAN • IEEE 802.1S • IEEE 802.1W • IEEE 802.1X • IEEE 802.1AB (LLDP) • IEEE 802.3ad <p>e. Must include Maintenance Support 8x5xNBD (Next Business Day)</p> <p>f. Supports modern operating system for the enterprise with support for model-driven programmability features.</p>				
		<p>4. Network Switches (16-port switch)</p> <p>a. Hardware Specifications</p> <ul style="list-style-type: none"> • Must have 16 x 10/100/1000 POE+ Ethernet ports. • Must have at least 10/100/1000 2 SFP based network module. • Must have redundant uplinks. • Must support POE with a budget of 120W, 30W per port. <p>b. Performance and Scalability</p> <ul style="list-style-type: none"> • Must have 256 MB of Flash Memory. • Must have 512 MB of RAM. • Must have throughput of at least 26.0 Mpps. • Must have forwarding performance (64-byte packet size) of at least 36.0 Gbps. 				

		<ul style="list-style-type: none"> • Support up to 255 active VLANs. <p>c. L2 switching</p> <ul style="list-style-type: none"> • Spanning Tree Protocol (STP). • Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP). • Voice VLAN is automatically assigned to an assigned to a voice-specific VLAN and treated with appropriate levels of QoS. <p>d. L3 switching</p> <ul style="list-style-type: none"> • Support IPv4 and IPv6 routing. • Support for CIDR. <p>e. Security</p> <ul style="list-style-type: none"> • Run-time defenses (Executable Space Protection, Address Space • Layout Randomization, Built-In Object Size Checking) • Supports MAC Address limiting • Supports encryption managing sensitive data such as passwords and keys according to user level and access method. • Ensures that the switch will process the management or protocol traffic regardless the load. <p>5. IP Phones (End- Users/ Entry Level Phones)</p> <p>a. Must have at least one programmable line key.</p> <p>b. With lit and colored display.</p> <p>c. Must have indicators for the audio path keys, select key, line keys, and message waiting.</p> <p>d. Must have volume control toggle to adjust the volume of the handset, speakerphone, and ringer.</p> <p>e. Must have full-duplex speakerphone.</p> <p>f. Must support H.323 and SIP for signaling protocol.</p> <p>g. Audio codec must support G.711a, G.711μ, G.722, G.729a.</p> <p>h. Must have two port 10/100/1000 BASE-T Ethernet connection.</p> <p>i. Must support telephony features such as display of caller ID, auto-answer, call forwarding, call pickup, call waiting, call transfer, call back, call history, call park, call timer, conference call, music on hold, redial, message-waiting indicator, direct transfer, hold/resume, mute, time and date display, speed dial and shared line.</p> <p>j. Must include all licenses needed.</p> <p>k. Functions and Features.</p> <ul style="list-style-type: none"> • Call Forwarding • Last Number Redial • Call Waiting • Call Pick-Up • Call-back features • Call on hold • Caller number display on screen • Do Not Disturb • Multiple ring tones 				
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- Voice and video conferencing
- Automatic Call Distribution
- Dial by Name, Unified Directory access
- Unified Call Detail records
- Caller ID feature
- Transfer
- Point-to point video calling
- Desktop sharing via softphones
- Capable of handling up to 800 users
- Personalized Automated Attendant
- Welcome Greetings
- Call History
- Voicemail
- Directory
- Audio Conference
- Hold
- Paging Integration
- Perpetual licenses if applicable
- Centralized licensing application
- Each IP Phone must provide high-quality speakerphone technology including easy to use speaker on / off, microphone mute.
- Must have volume control.
- Can support Dual power: PoE with Standard power adaptor

6. IP Phone Locations

Location/Building	Office	Number of Phones	Distance from Data Cabinet (m)
Modular Hospital 1	Nurse Station	1	NA
	Lobby	1	NA
	Nurse Supervisor	1	NA
Modular Hospital 2	Nurse Station	1	NA
	Lobby	1	NA
Modular Hospital 3	Office I	1	50
	Office II	1	50
	Office III	1	50
	Office IV	1	50
	Nurse Station	1	15
	Lobby	1	25
Modular Hospital 4	Nurse Station	1	30
	Lobby	1	50

Modular Hospital 5	Nurse Supervisor	1	30
	Lobby	1	30
Modular Hospital 6	Lobby	1	50
Modular Hospital 7	Nurse Station	1	15
	Lobby	1	NA
Modular hospital 8	Nurse Station	1	20
	Lobby	1	NA
NCMH Triage	Triage - Staff	1	10
	TOTAL	22	485

7. Wireless Access Point Locations

Location/Building	Office	Distance from Data Cabinet (m)
Modular Hospital 1	Nurse Station	20
	Front side Lobby	50
	End side of the lobby	30
Modular Hospital 2	Nurse Station	20
	Front side Lobby	50
	End side of the lobby	30
Modular Hospital 3	Nurse Station	20
	Front side Lobby	50
	End side of the lobby	20
Modular Hospital 4	Nurse Station	30
	Front side Lobby	70
	End side of the lobby	50
Modular Hospital 5	Nurse Station	20
	Front side Lobby	50
	End side of the lobby	20
Modular hospital 6	Nurse Station	30
	Front side Lobby	70

	End side of the lobby	50
NCMH Triage	Office Area	15
	TOTAL	680

8. Fiber Optic Connections

Source Location	Destination Location	Distance	Type of fiber
Modular Hospital 1	Pavilion 22	200m	6-core OM3 multimode fiber
Modular Hospital 3	Pavilion 22	250m	6-core OM3 multimode fiber

9. CAT6 Backbone Connection

Source Location	Destination Location	Distance (2 runs)
Modular Hospital 1	Modular Hospital 2	30m
Modular Hospital 3	Modular Hospital 5	45m

10. Information Outlet Point Locations

Location/Building	Office	Number of ports	Distance from the data cabinet (in meters)
Modular Hospital 3	Nurse Station	2	15
	Office Area I	2	50
	Office Area II	2	50
	Office Area III	2	50
	Office Area IV	2	50
	Nurse Station	2	30
	Nurse station	2	15
Modular Hospital 4	Nurse Supervisor	2	30
Modular Hospital 5	Nurse Station	2	30
	TOTAL	18	320

IV. Expected Deliverables

		<p>The expected deliverables (outputs) of this project are the following:</p> <ol style="list-style-type: none"> 1. An Inception Report describing the activities, methodology, milestones, time table and resources to implement this project. 2. 21 units of wireless access points that are: <ol style="list-style-type: none"> a. Connected to cloud-based wireless controller. b. Has perpetual/5-year license subscription. c. Fully commissioned, deployed, configured and operational on designated locations. 3. Configured, commissioned and tested 20 IP Phones. 4. Tested and functional backbone connections on following locations: <ol style="list-style-type: none"> a. Fiber Optic Connectivity <ul style="list-style-type: none"> • Hospital 1 to Pavilion 22 • Hospital 3 to Pavilion 22 • NCMH triage to Pavilion 1 b. Cat6E Connectivity <ul style="list-style-type: none"> • Hospital 1 to Hospital 2 • Hospital 3 to Hospital 5 5. Configured, deployed, and commissioned network switches. <ol style="list-style-type: none"> a. Four 24-port network switch b. One 16-port network switch 6. Deployed Four 2ft x 2ft x 2ft data cabinets on Hospital 3, Hospital 5, Hospital 8 and NCMH Triage 7. Deployed and implemented structured cabling with eighteen information outlets. <p>V. Implementation Arrangements Including Roles And Responsibilities</p> <ol style="list-style-type: none"> A. Within the Project duration the NCMH shall: <ol style="list-style-type: none"> i. Provide a technical working committee to supervise and monitor the project. ii. Provide a technical contact person iii. Facilitate access to information, documents, facilities and others needed by the contractor to perform services. iv. Assist in coordinating with and issue instructions as may be necessary or appropriate to other government agencies for the prompt and effective implementation of the services. v. Approve the proposed working schedule of the supplier. vi. Provide temporary ID to all personnel involved in the installation vii. Grant authorized representative access to premises as well as equipment and all facilities located therein to perform the supplier's obligations. viii. Make prompt review and revision, if necessary, which shall be not later than ten (10) working days from receipt of the work produced. 				
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		<p>ix. Pay the contractor upon presentation of requisite documents, the amount due him upon receipt of claims supported with documents subject to acceptance by the NCMH.</p> <p>B. Within the Project duration the winning Contractor/Supplier shall:</p> <p>i. Perform services professionally based on industry standards and always protect the interest of the government in general and NCMH in particular.</p> <p>ii. Provide list of certified engineers/technical support team with addresses and contact numbers, involved and other activities related to the project.</p> <p>iii. Secure for the NCMH permits, licenses and approvals that are or maybe necessary to perform services.</p> <p>iv. Provide a chief officer or program manager (licensed ECE, COE or EE) who will be directly in charge of managing the project, and day-to-day contact personnel in charge of operations.</p> <p>v. Complete the delivery, installation and configuration within sixty (60) calendar days from the receipt of the Notice to Proceed. Otherwise, the winning Service Provider/Bidder shall pay the corresponding penalties/liquidated damages in the amount of one tenth of one percent (1/10 of 1%) of the total contract price for every calendar day of delay.</p> <p>vi. Submit a proposed working schedule for approval of NCMH and secure security pass and working permit on their site.</p> <p>vii. Ensure that all personnel involved in the project must be in proper uniform, because it will be their identification from the rest of NCMHs employees and visitors.</p> <p>viii. Protect privacy of NCMH and ensure that all confidential information and data on its ICT infrastructure are kept confidential.</p> <p>VI. Qualification Of The Supplier</p> <p>i. Bidder must attach to his/her proposal an assurance from his/her principal that the items called for will be supplied in full and on time</p> <p>ii. Extensive knowledge, background and technical experience in a great number of projects covering Network installation, configuration cabling, set-up of PABX, IP Telephony, VOIP, WLAN, VLAN Systems and Maintenance.</p> <p>iii. Extensive knowledge, background and technical experience in the installation, configuration, interoperability, security and industry standards on</p>				
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		<p>fiber and structured data cabling, wireless LAN, IP telephony, and other factors concerning cabling solutions.</p> <p>iv. Should at least have been engaged for five (5) years in various ICT services such as IT project management, computer networking, voice and data communications infrastructure development and ICT facilities operation and management.</p> <p>v. Bidder should have locally based Manufacturer Certified Engineers who will do the installation, configuration and after sales support of all proposed equipment for cabling, WLAN and IP-PABX-VOIP.</p> <ul style="list-style-type: none"> • Licensed Electronics and Communications Engineer • Manufacturer Certified Network Associate • Manufacture Certified Voice/IP Telephony Engineer • Must have 24x7 helpdesk support system. <p>vi. All proposed items must be certified genuine and brand new. Bidder must be an authorized Philippine Distributor, Dealer or Value-Added Reseller of his/her proposed products and must provide local technical services on these.</p> <p>VII. Additional Requirements To Be Submitted With Technical Proposal</p> <ol style="list-style-type: none"> i. Plan of Approach and Methodology ii. Complete technology solution offered including detailed specification. iii. Corporate Profile which should include major achievements, service Portfolio or services offered by the firm, experience or engagements both local and international. iv. List of engineers. v. Manufacturer's authorization <p>VIII. Warranty Period And Services</p> <ol style="list-style-type: none"> i. Period: Three (3) years warranty is required on all delivered goods and shall take effect immediately after final acceptance of the project with NCMH. ii. Period: Three (3) year of workmanship on support and cabling and shall take effect immediately after final acceptance of the project with NCMH. iii. Product upgrades: <ul style="list-style-type: none"> • Provision, supply and installation of announced improvements on the proposed product and/or any of its components, after date of submission of proposals and before date of implementation in the project sites without additional costs to NCMH. • Provision or entitlement of all applicable upgrades including hardware firmware or software upgrades without additional cost to NCMH. 				
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		iv. Preventive and Remedial Services:				
		<ul style="list-style-type: none"> Preventive maintenance services done semi-annually on-site. 				
TOTAL					Php 6,500,000.00	

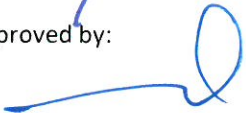
Submitted by:


WILLIAM WALLACE L. ARIAS
 (End-User)

Recommending Approval:


ALDEN C. CUYOS, MD, FPPA, IFAPA, MMHoA
 Chairperson, BAC for Equipment CY2022

Approved by:


NOEL V. REYES, MD, FPPA, MMHoA
 Medical Center Chief II



National Center for Mental Health

LIST OF ITEMS FOR PUBLIC BIDDING CY2022 SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND TESTING OF MEDICAL SURGICAL EQUIPMENT

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	SUE22-01	INTRAVENOUS INFUSION PUMP [ALL equipment and components should be original, branded (not clone or assembled) and brand new.] General Technical Requirements: <ol style="list-style-type: none">One channel (at least).Capable of accepting any kind of fluids (solutions and medications preferable).Pump capabilities:<ul style="list-style-type: none">flow range 0.1 to ≥ 999 mL/hrincrements 0.1–100 mL/hrkeep vein open (KVO) rate 1–5 mL/hrvolume to be infused selector (VTBI) 1–9999 mLflow rate accuracy of $\pm 5\%$ or betterwhen multiple channel automatic piggybacking.Ingress protection not less than IPX2.Front panel lockout.Self-check carried out on powering on.Pause infusion facility required.Anti-bolus system to reduce pressure on sudden release of occlusion.IV set:<ul style="list-style-type: none">free-flow protectionair trapping capabilityneedleless IV connection."Dose error" reduction system (preferable).Air bubble detector with single and cumulative functions (preferable).Clearly visible optical alarms.Acoustic alarms not less than 45dB.Easy set-up and operation.Large easy to easy-to-read.Real-time display.Compatibility with standard infusion sets commonly distributed in the market (desirable at least by the leading brands).Equipment provided "ready to use".Continuous operation within specification in ambient temperature of at least 30–45°C.Any accessory or dedicated device necessary to the proper functioning and utilization of the equipment is included.Shock-fall protection.Monitored and displayed parameters (color and graphic preferable)<ul style="list-style-type: none">Flow.Pressure.Dose.	10	Unit	85,000.00	850,000.00

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		<p>23. Alarms</p> <ul style="list-style-type: none"> • Audible alarm required with volume control. • Momentary silence less than 2 min. • Occlusion upstream. • Occlusion downstream. • Air in line. • System malfunction. • Set loaded improperly. • Door open. • Infusion complete. • Loss of mains power. • Low battery. • Depleted battery (preferable). • Clinical advisory messages <p>24. Accessories, reusable</p> <ul style="list-style-type: none"> • Clamp for mounting pump on IV stand. • Clamp for external transportation (preferable) (if applicable). <p>25. Spare parts (included and mentioned in a disaggregated list)</p> <ul style="list-style-type: none"> • As per manufacturer. • Include calibration software and hardware (kit). • Include list of spare parts with their part numbers and costs. <p>26. Power supply (voltage, frequency, and plug vary across the countries)</p> <ul style="list-style-type: none"> • Operates from AC mains power: 100–240 V~/50–60 Hz. • In-built rechargeable battery. Battery with operating time at least 4 hours at 25 mL/hr. • Automatic switch from AC mains power mode to battery operating mode and vice versa. • Total re-charging time not greater than 6 hours. • Appropriate external device to protect the equipment against over-voltage and over-current line conditions (between plug and socket). • 12 V DC socket for recharging during outside transportation (preferable). • Equipment must be connected to a reliable and continuous source of energy. <p>27. Documentation (included)</p> <ul style="list-style-type: none"> • Instruction for use; service manual and product information to be provided in English, at least. • Certification of calibration. • List of procedures for calibration and routine maintenance. <p>28. Primary packaging label</p> <ul style="list-style-type: none"> • Name and/or trademark of the manufacturer. • Model or product reference. • Information for particular storage conditions (temperature, pressure, light, humidity). <p>29. Regulatory approval/certification</p>				
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		<ul style="list-style-type: none"> • Free sales certificate (FSC) and certificate for exportation of medical device provided by the authority in manufacturing country. • Proof of regulatory compliance, as appropriate, per the product's risk classification (e.g. Food and Drug Administration [FDA] and/or Conformité Européenne [CE]) • National local regulatory approval (of recipient country, as applicable). <p>30. Warranty</p> <ul style="list-style-type: none"> • Minimum 2 years. • Availability of accessories, consumables and spare parts for at least 5 years • The company assures that the equipment offered is brand new and free from defects in materials and workmanship and therefore guarantees the hospital that it will work perfectly under normal use and condition. In the event that problems arise under normal use, the equipment shall service by the Company's Service personnel Free of Charge during the Warranty Period. However, the Free Service does not apply on instances where the defects are caused by improper use, unauthorized modification, and operation outside the product's specifications and therefore all expenses incurred therein shall be for the account of the hospital. <p>31. Product specialist/ biomedical team on-site training:</p> <ul style="list-style-type: none"> • The company will include training of the end-users 2-3 days or depend upon the request of the end-users until the product is well known by the hospital staff, they will be trained by our product specialist and biomedical engineers for technical and product use after the installation of the equipment. <p>32. Biomedical Response Time</p> <ul style="list-style-type: none"> • 24 hours <p>33. Delivery Period</p> <ul style="list-style-type: none"> • Sixty to Ninety days upon receipt of a confirmed purchase Order from the hospital 				
2	SUE22-02	ECG MACHINE THREE (3) CHANNELS	15	Unit	60,000.00	900,000.00
		<p>[ALL equipment and components should be original, branded (not clone or assembled) and brand new Features:</p> <ul style="list-style-type: none"> • Automatic ECG waveform and parameter measurement • Switch Single Color TFT Display (Resolution: 320 x 240) • Complete digital design, wave digital filter • Automatic adjustment of baseline, amplification, and automatic lead 				

	<ul style="list-style-type: none">• High-Resolution Thermal Printer, Synchronous Record Details of ECG Waveforms, name of leads, paper feed speeds gain, patients' information, analysis reports, etc.• Multi-language operation interface, Various• Printout Format• Built-in Li-ion Battery, Support Uninterrupted Working Up to 2 hours• Thermal Recorder (80mm)• Can store up to 150 Digital ECG Records• Simultaneously 12 Leads Acquisition• Wide range of options such as Selections for Rhythm Lead and Network Capability <p>ADDITIONAL REQUIREMENTS</p> <ul style="list-style-type: none">- Comen CM300 ECG (Main Unit)- Patient Cable- 4x Limb clamp Electrodes- 6x chest Bulb electrodes- 1 x Roll of Paper- Integrated rechargeable battery- Power cord- 2 extra rolls of ECG Paper <p>Standard Requirements:</p> <ul style="list-style-type: none">• Current and Valid Certificate of Manufacturer's compliance with ISO 13485 and/or CE Certificate or its equivalent• The supplier must provide applications training for users and maintenance personnel of the hospital• Transportation to the site, delivery, installation, and testing expenses on the site (hospital/health facility) for the account of the supplier• Certification that the supplier has the capability for the corrective and preventive maintenance of the unit.• Commitment of the manufacturer of the unit that the warranty should not be affected with a change of distributor• Certification to provide user's Manual in English Language• Operations Manual 2 copies• Service Manual 2 copies• Bidder's certificate that parts shall be available at the authorized Philippine service center/s for a period of five (5) years after the warranty period.• Warranty Certificate of One (1) year for parts and two (2) years for service, upon delivery, inspection, and acceptance					
					TOTAL	Php 1,750,000.00

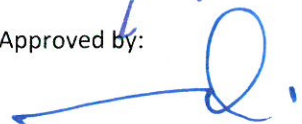
Submitted by:


CHERRY MAY T. TAN, MD, FPCP
(End-User)

Recommending Approval:


ALDEN C. CUYOS, MD, FPPA, IFAPA, MMHoA
Chairperson, BAC for Equipment CY2022

Approved by:


NOEL V. REYES, MD, FPPA, MMHoA
Medical Center Chief II



LIST OF ITEMS FOR PUBLIC BIDDING CY2022
SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND TESTING OF VARIOUS
LABORATORY EQUIPMENT

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	VLE22-01	REFRIGERATED CENTRIFUGE FOR BLOOD BAGS	1	Unit	2,400,000.00	2,400,000.00
		<p>Specifications:</p> <ol style="list-style-type: none"> 1. Floor-type, at least 4 buckets refrigerated centrifuge 2. Swing out rotor 3. Replaceable receptacle/bucket that can also hold conical tubes and test tubes 4. Pneumatic lid lift 5. Safety lock 6. Quiet operation 7. Controllable temperature range: -20° C to +40° C 8. Adjustable speed 9. Maximum speed: at least 4500 rpm 10. Large and easy to read display 11. Power Supply: 220-240v 12. Mechanical part should be of heavy-duty type 13. Equipment should be easy to maintain <p>Standard Accessories:</p> <ol style="list-style-type: none"> 1. Automatic voltage regulator - 3000VA <p>Standard Requirements</p> <ol style="list-style-type: none"> 1. A certification that the unit being offered must be brand new and not a discontinued model. 2. Delivery period- 90 calendar days. 3. Current and valid Certificate of Manufacturer's compliance with ISO and or CE certificate or its equivalent 4. Certification that the supplier has the capability for corrective and preventive maintenance of the unit. 5. Certification from the manufacturer authenticated by the Philippine consulate from the country of origin of the unit that the warranty should not be affected with a change of distributor. 6. Bidder's certificate that the parts shall be available at the authorized Philippine service center/s for a period of five (5) years after the warranty period. 7. Certification that the brand has been in the local market for at least five (5) years with at least two (2) installations. 8. Certification that the supplier will be responsible for the notification, transportation to the site, delivery, installation and testing on the site (hospital/health facility) and expenses for such will be on the account of the supplier 				

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2	VLE22-02	PLASMA SEPARATOR	1	Unit	195,000.00	195,000.00
		Specifications: <ol style="list-style-type: none"> 1. Simple and quick operation 2. Semi-automatic press for plasma separation from centrifuged whole blood 3. With optical sensor, clamping unit and control electronics 4. With conventional mechanical plasma separators 5. Automatically clamps tubing when the first red cells appear in the tubing at the end of plasma transfer 6. RBC sensing sensitivity 7. With audible and visual alarm 8. With good reproducibility and easy to use 9. Power Supply: 220-240v 10. Mechanical part should be of heavy-duty type 11. Equipment should be easy to maintain Standard Accessories: <ol style="list-style-type: none"> 1. User Manual 2. Jumper cable 3. power adaptor Standard Requirements <ol style="list-style-type: none"> 1. A certification that the unit being offered must be brand new and not a discontinued model. 2. Delivery period- 90 calendar days. 3. Current and valid Certificate of Manufacturer's compliance with ISO and or CE certificate or its equivalent 4. Certification that the supplier has the capability for corrective and preventive maintenance of the unit. 5. Certification from the manufacturer authenticated by the Philippine consulate from the country of origin of the unit that the warranty should not be affected [with a change of distributor. 6. Bidder's certificate that the parts shall be available at the authorized Philippine service center/s for a period of five (5) years after the warranty period. 7. Certification that the brand has been in the local market for at least five (2) years with at least ten two (2) installations. 8. Certification that the supplier will be responsible for the notification, transportation to the site, delivery, installation and testing on the site (hospital/health facility) and expenses for such will be on the account of the supplier. 				
3	VLE22-03	TUBE SEALER	1	Unit	200,000.00	200,000.00
		Specifications: <ol style="list-style-type: none"> 1. Fixed and handheld sealing unit 2. Seals wide range of blood tubing - good for tubing diameter 2-6mm (1/4") 3. Fast sealing in one second 4. No warm up required 5. Makes seals with a notch at the center 6. Detachable head protector for sealing head cleaning 7. Power Supply: 220-240v 8. Mechanical part should be of heavy-duty type 9. Equipment should be easy to maintain 				

		Standard Requirements: <ol style="list-style-type: none"> 1. A certification that the unit being offered must be brand new and not a discontinued model. 2. Delivery period- 90 calendar days. 3. Current and valid Certificate of Manufacturer's compliance with ISO and or CE certificate or its equivalent 4. Certification that the supplier has the capability for corrective and preventive maintenance of the unit. 5. Certification from the manufacturer authenticated by the Philippine consulate from the country of origin of the unit that the warranty should not be affected with a change of distributor. 6. Bidder's certificate that the parts shall be available at the authorized Philippine service center/s for a period of five (5) years after the warranty period. 7. Certification that the brand has been in the local market for at least five (2) years with at least ten installations. 8. Certification that the supplier will be responsible for the notification, transportation to the site, delivery, installation and testing on the site (hospital/health facility) and expenses for such will be on the account of the supplier. 				
4	VLE22-04	LABORATORY INFORMATION SYSTEM FOR SPECIAL SECTIONS	1	Unit	3,000,000.00	3,000,000.00
		Specifications: <ol style="list-style-type: none"> 1. Configurable User Interface 2. Must be fully integrated and compatible with the existing LIS <ul style="list-style-type: none"> • Must utilize existing server 3. Licensed Database from a reputable international company for reliable Data security and Storage 4. Must have the following software/modules for the following sections: Microbiology, Blood Bank and Anatomic Pathology 5. Machine Connectivity Management <ul style="list-style-type: none"> • Connection Type (TCP/IP and RS232) • Instrument Identification & Mapping • Long List of Available Machine Driver for Connectivity 6. Real-time Rerun/Repeat/Reflex Support 7. Non-Barcoded Sample ID Support 8. Target Carrier Label Generation (Barcoding) 9. Secondary Tube Label Generation (Specimen ID Handling) 10. Communication Trace (System, Communication and Error Logs) 11. Event Notifications 12. Reporting of Critical Events 13. Notification on Overview Screens for pending validation tests 14. Order Management <ul style="list-style-type: none"> • Test Ordering • Editing and Modification • Additional Test and/or Cancellation 15. Patient Information Management <ul style="list-style-type: none"> • Add Patient 				

		<ul style="list-style-type: none"> Edit/Modify Patient Information <p>16. Order Button (Easy select of test request)</p> <p>17. Sample Management</p> <ul style="list-style-type: none"> Supports sectional barcoding of samples <p>18. Reagent Inventory Management</p> <ul style="list-style-type: none"> Add reagents and supplies Edit/Modify reagents and supplies stocks for monitoring Able to set critical point and with alarm system for notification <p>19. Accumulative Patient Result</p> <ul style="list-style-type: none"> Viewing of Result History Supports Delta Checking Printing of Result Graphical Trending Analysis <p>20. Append Test Results with Comments and Error Flags</p> <p>21. Technical & Medical Validation</p> <ul style="list-style-type: none"> Validation Range (Reference, Normal Value) Panic Range Range based on Age bracket & Gender Medical Validation Option of entering comments Patient-based presentation of all results, including previous values Customizable Order Screen (definable menus) Color Coding for abnormal results Real-Time Report Printing User-definable Report Designing Statistics Basic Statistics such as number of tests Samples ordered per section Samples ordered by wards Samples ordered by clinician, etc. Remote Workstation (Intranet) Remote Workstation (via Internet connection) Supports Medical Mission with Real Time Database Transaction from the Server <p>22. Divide the patient order and result data by site</p> <p>23. Ten (10) User Licenses</p> <ul style="list-style-type: none"> Can be logged-in simultaneously <p>BACKUP SYSTEM / DISASTER RECOVERY</p> <ol style="list-style-type: none"> High Availability (Back Up) Automatic Backing Up Shadowing Backup System Generate Back up copy of System Information System Restore Functionality Supports Newest Windows Operating system <ul style="list-style-type: none"> Windows Server 2016 (64-bit) or higher <p>HARDWARE TECHNICAL SPECIFICATIONS (WORKSTATIONS)</p> <ol style="list-style-type: none"> Desktop (6x) <ul style="list-style-type: none"> Processor: Intel Core i5 or higher Memory: 8GB RAM Storage: 500GB SSD or higher Ports: RS-232C and TCP/IP Operating System: Windows 10 or higher Peripherals: Barcode Scanner (3 units) Accessory: AVR 1000VA 				
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	<p>2. Laptop (4 units)</p> <ul style="list-style-type: none"> • Processor: Intel Core i5 or higher • Memory: 8GB RAM • Storage: 500GB SSD or higher • Operating System: Windows 10 or higher • Microsoft Office 365 Offline (Lifetime) <p>3. Inkjet Printer (7 units) with continuous ink tank, scanner, & photocopier plus</p> <p>4. Inkjet printer with wi-fi connection (2 units)</p> <p>5. Barcode Printer for Blood Bags (with consumables)</p> <p>6. Computer table (3 units)</p> <p>BLOOD BANK</p> <p>1. Blood Transfusion</p> <ul style="list-style-type: none"> • Supports Request Creation • Manages Blood Product Preparation <p>2. Type of Blood</p> <p>3. Quantity of Blood Product</p> <p>4. Inventory Balance</p> <ul style="list-style-type: none"> • Result Entry <p>5. Group Antibody</p> <p>6. Cross-Match (with Alerts)</p> <p>7. Reflex Testing and Reporting</p> <ul style="list-style-type: none"> • Blood Product Dispensing with Automatic Inventory Updates • Management Reporting Summary <p>8. Workload</p> <p>9. Blood Requests</p> <p>10. Antibody Screening and Identification</p> <p>11. Cross - Match to Transfuse Ratio Summary Reporting</p> <ul style="list-style-type: none"> • Approve Screen Test Result <p>12. Supports Approve Pack Screening</p> <p>13. Immune Test Report</p> <ul style="list-style-type: none"> • Pack Details Entry <p>14. Blood Pack Acceptance</p> <p>15. Full Detail Inventory</p> <ul style="list-style-type: none"> • Management Reporting <p>16. Summary Reports by Donor Attributes</p> <p>17. Inventory Management</p> <ul style="list-style-type: none"> • Pack Registration for Blood Product Details • Pack Issue (Record all Issuing Transactions) <p>18. Blood Issued to Patient</p> <p>19. Blood Issued to External Locations/Recipients</p> <ul style="list-style-type: none"> • Pack Return (Records Return Transactions) <p>20. Returned Blood Products</p> <p>21. Unused Blood Products</p> <ul style="list-style-type: none"> • Pack Transfer (Records Movement of Blood Product within Location) • Pack Discard <p>22. Recording of Discarded Expired Blood Products</p> <p>23. Recording of Discarded Damaged Blood Products</p> <p>24. Pack Conversion (Records Transaction of Converted Blood to Another Product Type)</p> <ul style="list-style-type: none"> • Return To Supplier • Management Reporting for All Blood Product Stock <p>25. Donor Management</p> <ul style="list-style-type: none"> • Donor Registration 				
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	<p>26. Comprehensive Registration of Donors</p> <p>27. Registration of Blood Bags</p> <ul style="list-style-type: none"> • Blood Group Result Entry <p>28. Supports Display of Previous Results & Creates Alerts</p> <p>29. Workload</p> <p>30. Blood Requests</p> <p>31. Antibody Screening and Identification</p> <p>ANATOMICAL PATHOLOGY</p> <p>1. Supports Generation of General Statistical Report</p> <ul style="list-style-type: none"> • Workload • Turn-Around Time • Graphical Plotting • Automatic Data Export Facilities <p>2. Simple Report Creation</p> <p>3. Full Word Processor Functionality,</p> <ul style="list-style-type: none"> • Spell Check • Pre-Defined/Coded Comments <p>4. Standard Entry of Clinical Diagnostic Codes</p> <ul style="list-style-type: none"> • SNOMED II & International III • Bethesda <p>5. Supports multimedia reporting for inclusion of images and diagrams</p> <p>6. Supports Seamless Enquiry Functionality and Access to All Completed Reports</p> <p>7. Pre-Defined Search Formats and Free-Text Searching</p> <p>8. Hypertext linking within the report for viewing of related request and document details</p> <p>9. Specialized Features Include:</p> <ul style="list-style-type: none"> • Billing • External Interfaces to Other IT Systems • Digital Imaging <p>10. Must have features that can handle the following:</p> <ul style="list-style-type: none"> • Mortuary/Autopsy • Histology and Cytology <p>MICROBIOLOGY</p> <p>1. Supports General Reporting</p> <ul style="list-style-type: none"> • Culture & Non-Culture Tests • Daily Workload Management • Drop-down List and Hot Key Tool • Automatic Decoding of Organism Codes • Online Interfacing to Most Microbiology Analyzers • Straight Forward Result Validation and Reporting • Flexible Configuration of User-Defined Dictionaries <p>2. Electronic Worksheets</p> <ul style="list-style-type: none"> • Recording of Observations <p>3. Media Results</p> <p>4. IDT Results</p> <p>5. AST Results</p> <ul style="list-style-type: none"> • Instant Printing of Sample and Media Labels • Accessibility on Previous Results • Delta Check on Identified Organisms • Speedy Result Approval and Report Creation <p>6. Infection Control Data Collection and Reporting</p>				
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		<ul style="list-style-type: none"> • Organism Versus Specimen Type • Organism Versus Location • Sensitivity Reporting • Antibiotic for One Organism • Organism Versus Patient 				
		7. With free interconnectivity with existing purchased machine – Vitek 2 compact				
					TOTAL	Php 5,795,000.00

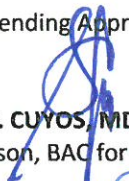
Submitted by:


KATHLEEN JILL M. PEREZ, MD
 (End-User)

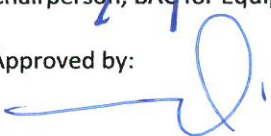
Noted by:


ROMIL M. AGUIRRE, MD, FPSP, MMHoA
 OIC – Clinical Laboratory

Recommending Approval:


ALDEN C. CUYOS, MD, FPPA, IFAPA, MMHoA
 Chairperson, BAC for Equipment CY2022

Approved by:


NOEL V. REYES, MD, FPPA, MMHoA
 Medical Center Chief II