ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	b. Cat6E Connectivity • Hospital 1 to Hospital 2 • Hospital 3 to Hospital 5 5. Configured, deployed, and commissioned network switches. 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. V. Implementation Arrangements Including Roles And Responsibilities A. Within the Project duration the NCMH shall: 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. 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. B. Within the Project duration the winning Contractor/Supplier shall: i. Perform services professionally based on industry standards and always protect the interest of the government in general and NCMH in particular. ii. Provide list of certified engineers/technical support team with			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	addresses and contact numbers, involved and other activities related to the project. iii. Secure for the NCMH permits, licenses and approvals that are or maybe necessary to perform services. 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. 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. vi. Submit a proposed working schedule for approval of NCMH and secure security pass and working permit on their site. 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. viii. Protect privacy of NCMH and ensure that all confidential information and data on its ICT infrastructure are kept confidential. VI. Qualification Of The Supplier 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 ii. 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. iii. Extensive knowledge, background and technical experience in the installation, configuration, interoperability, security and industry standards on fiber and structured data cabling, wireless LAN, IP telephony, and other factors concerning cabling solutions. iv. Should at least have been engaged for five (5) years in various ICT services such as IT project management, computer networking, voice and			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	data communications infrastructure development and ICT facilities operation and management. 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. • Licensed Electronics and Communications Engineer • Manufacturer Certified Network Associate • Manufacture Certified Voice/IP Telephony Engineer • Must have 24x7 helpdesk support system. 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. VII. Additional Requirements To Be Submitted With Technical Proposal i. Plan of Approach and Methodology ii. 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 VIII. Warranty Period And Services 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: • 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			

REPUBLIC OF THE PHILIPPINES
Department of Health
NATIONAL CENTER FOR MENTAL HEALTH
Nueve de Febrero Street, Mandaluyong City, Philippines

BIDS AND AWARDS COMMITTEE

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Section VI
Schedule of Requirements

ITB No. 027-2022

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	QTY	TOTAL	Delivered, Weeks/Months
SUE22-01	**INTRAVENOUS INFUSION PUMP** **[ALL equipment and components should be original, branded (not clone or assembled) and brand new.]** **General Technical Requirements:** 1. One channel (at least). 2. Capable of accepting any kind of fluids (solutions and medications preferable). 3. Pump capabilities: • flow range 0.1 to ≥ 999 mL/hr • increments 0.1-100 mL/hr • keep vein open (KVO) rate 1-5 mL/hr • volume to be infused selector (VTBI) 1-9999 mL • flow rate accuracy of + 5% or better • when multiple channel automatic piggybacking. 4. Ingress protection not less than IPX2. 5. Front panel lockout. 6. Self-check carried out on powering on. 7. Pause infusion facility required. 8. Anti-bolus system to reduce pressure on sudden release of occlusion. 9. IV set: • free-flow protection • air trapping capability • needleless IV connection. 10. "Dose error" reduction system (preferable). 11. Air bubble detector with single and cumulative functions (preferable). 12. Clearly visible optical alarms. 13. Acoustic alarms not less than 45dB. 14. Easy set up and operation. 15. Large easy to read display. 16. Real-time display. 17. Compatibility with standard infusion sets commonly distributed in the market (desirable at least by the leading brands). 18. Equipment provided "ready to use". 19. Continuous operation within specification in ambient temperature of at least 30-45°C	10	850,000.00	60 to 90 calendar days

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	20. Any accessory or dedicated device necessary to the proper functioning and utilization of the equipment is included. 21. Shock-fall protection. 22. Monitored and displayed parameters (colour and graphic preferable) • Flow. • Pressure. • Dose. 23. Alarms • 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 24. Accessories, reusable • Clamp for mounting pump on IV stand. • Clamp for external transportation (preferable) (if applicable). 25. Spare parts (included and mentioned in a disaggregated list) • As per manufacturer. • Include calibration software and hardware (kit). • Include list of spare parts with their part numbers and costs. 26. Power supply (voltage, frequency and plug vary across the countries) • 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. 27. Documentation (included) • 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.			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	28. Primary packaging label • Name and/or trademark of the manufacturer. • Model or product reference. • Information for particular storage conditions (temperature, pressure, light, humidity). 29. Regulatory approval/certification • 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). 30. Warranty • 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. 31. Product specialist/ biomedical team on-site training: • 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. 32. Biomedical Response Time • 24 hours 33. Delivery Period • Sixty to Ninety days upon receipt of a confirmed purchase Order from the hospital			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
SUE22-02	**ECG MACHINE THREE (3) CHANNELS** [ALL equipment and components should be original, branded (not clone or assembled) and brand new] • Features: • 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 • 60,000 • High Resolution Thermal Printer, Synchronous Record Details of ECG Waveforms, name of leads, paper feed speeds gain, patients' information, and analysis reports, etc. • Multi-language operation interface, Various Printout Format • Built-in Li-ion Battery, Support Uninterrupted Working Up to 2Hours • 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 **ADDITIONAL REQUIREMENTS** • Comen CM 300 ECG (Main Unit) • Patient Cable • 4x Limb clamp Electrodes • 6x chest Bulb electrodes • 1 x Roll of Paper • Integrated rechargeable battery • Power cord • Operational Manual • 2 rolls ECG Paper • 1 Day End Users Training **Standard Requirements**: • 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.	15	900,000.00	60 to 90 calendar days

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months

	• 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			

CONFORMED BY:
(Signature over printed name)

DATE:

REPUBLIC OF THE PHILIPPINES
Department of Health
NATIONAL CENTER FOR MENTAL HEALTH
Nueve de Febrero Street, Mandaluyong City, Philippines

BIDS AND AWARDS COMMITTEE

Telephone No. 531-9001 loc. 242 Telefax No. 5318318 E-mail: bacncmh@yahoo.com Website: www.ncmh.gov.ph

Section VI
Schedule of Requirements

ITB No. 027-2022

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	QTY	TOTAL	Delivered, Weeks/Months
VLE22-01	**REFRIGERATED CENTRIFUGE FOR BLOOD BAGS** **Specifications:** 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 **Standard Accessories:** 1. Automatic voltage regulator - 3000VA **Standard Requirements** 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.	1	2,400,000.00	60 to 90 calendar days

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	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			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
VLE22-02	**PLASMA SEPARATOR** **Specifications:** 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:** 1. User Manual 2. Jumper cable 3. power adaptor **Standard Requirements** 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.	1	195,000.00	60 to 90 calendar days
VLE22-03	**TUBE SEALER** **Specifications:** 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	1	200,00.00	60 to 90 calendar days

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	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** 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.			
VLE22-04	**Laboratory Information System for Special Sections** **Specifications:** 1. Configurable User Interface 2. Must be fully integrated and compatible with the existing LIS • Must utilize existing server 3. Licensed Database from a refutable 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 • 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)	1	3,000,000.00	60 to 90 calendar days

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	11. Event Notifications 12. Reporting of Critical Events 13. Notification on Overview Screens for pending validation tests 14. Order Management • Test Ordering • Editing and Modification • Additional Test and/or Cancellation 15. Patient Information Management • Add Patient • Edit/Modify Patient Information 16. Order Button (Easy select of test request) 17. Sample Management • Supports sectional barcoding of samples 18. Reagent Inventory Management • Add reagents and supplies • Edit/Modify reagents and supplies stocks for monitoring • Able to set critical point and with alarm system for notification 19. Accumulative Patient Result • Viewing of Result History • Supports Delta Checking • Printing of Result Graphical Trending Analysis 20. Append Test Results with Comments and Error Flags 21. Technical & Medical Validation • 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 22. Divide the patient order and result data by site 23. Ten (10) User Licenses • Can be logged-in simultaneously **BACKUP SYSTEM / DISASTER RECOVERY** 1. High Availability (Back Up) 2. Automatic Backing Up 3. Shadowing Backup System 4. Generate Back up copy of System Information 5. System Restore Functionality 6. Supports Newest Windows Operating system • Windows Server 2016 (64-bit) or higher			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	HARDWARE TECHNICAL SPECIFICATIONS (WORKSTATIONS) 1. Desktop (6x) • 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 2. Laptop (4 units) • 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) 3. Inkjet Printer (7 units) with continuous ink tank, scanner, & photocopier plus 4. Inkjet printer with wi-fi connection (2 units) 5. Barcode Printer for Blood Bags (with consumables) 6. Computer table (3 units) **BLOOD BANK** 1. Blood Transfusion • Supports Request Creation • Manages Blood Product Preparation 2. Type of Blood 3. Quantity of Blood Product 4. Inventory Balance • Result Entry 5. Group Antibody 6. Cross-Match (with Alerts) 7. Reflex Testing and Reporting • Blood Product Dispensing with Automatic Inventory Updates • Management Reporting Summary 8. Workload 9. Blood Requests 10. Antibody Screening and Identification 11. Cross - Match to Transfuse Ratio Summary Reporting • Approve Screen Test Result 12. Supports Approve Pack Screening 13. Immune Test Report • Pack Details Entry 14. Blood Pack Acceptance 15. Full Detail Inventory • Management Reporting 16. Summary Reports by Donor Attributes 17. Inventory Management • Pack Registration for Blood Product Details • Pack Issue (Record all Issuing Transactions) 18. Blood Issued to Patient 19. Blood Issued to External Locations/Recipients • Pack Return (Records Return Transactions) 20. Returned Blood Products 21. Unused Blood Products			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	• Pack Transfer (Records Movement of Blood Product within Location) • Pack Discard 22. Recording of Discarded Expired Blood Products 23. Recording of Discarded Damaged Blood Products 24. Pack Conversion (Records Transaction of Converted Blood to Another Product Type) • Return To Supplier • Management Reporting for All Blood Product Stock 25. Donor Management • Donor Registration 26. Comprehensive Registration of Donors 27. Registration of Blood Bags • Blood Group Result Entry 28. Supports Display of Previous Results & Creates Alerts 29. Workload 30. Blood Requests 31. Antibody Screening and Identification **ANATOMICAL PATHOLOGY** 1. Supports Generation of General Statistical Report • Workload • Turn-Around Time • Graphical Plotting • Automatic Data Export Facilities 2. Simple Report Creation 3. Full Word Processor Functionality, • Spell Check • Pre-Defined/Coded Comments 4. Standard Entry of Clinical Diagnostic Codes • SNOMED II & International III • Bethesda 5. Supports multimedia reporting for inclusion of images and diagrams 6. Supports Seamless Enquiry Functionality and Access to All Completed Reports 7. Pre-Defined Search Formats and Free-Text Searching 8. Hypertext linking within the report for viewing of related request and document details 9. Specialized Features Include: • Billing • External Interfaces to Other IT Systems • Digital Imaging 10. Must have features that can handle the following: • Mortuary/Autopsy • Histology and Cytology **MICROBIOLOGY** 1. Supports General Reporting • 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			

ITEM NO.	DESCRIPTION	QTY	TOTAL	Delivered, Weeks/Months
	• Flexible Configuration of User-Defined Dictionaries 2. Electronic Worksheets • Recording of Observations 3. Media Results 4. IDT Results 5. AST Results • Instant Printing of Sample and Media Labels • Accessibility on Previous Results • Delta Check on Identified Organisms • Speedy Result Approval and Report Creation 6. Infection Control Data Collection and Reporting • Organism Versus Specimen Type • Organism Versus Location • Sensitivity Reporting • Antibiotic for One Organism • Organism Versus Patient • With free interconnectivity with existing purchased machine – Vitek 2 compact			

CONFORMED BY:
(Signature over printed name)

DATE: