



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

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SECTION VII Technical Specifications

ITB No. 027-2022

INSTRUCTION: Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
HDS22-01	HIGH-SPEED DEPARTMENTAL SCANNER (DUAL SCAN, STRAIGHT-PASS FEEDER, & DOCUMENT PROTECTION)	
	Estimated Specifications:	
	1. Dimensions: w 15in x d 15in x h 12in	
	2. Daily Volume: At least 10,000 up to 20,000 pages per day	
	3. Feeder Capacity: minimum of 200 sheets of 70 g/m2	
	4. Optical Resolution: 600dpi	
	5. Document Size: 210mm x 297mm or A4, can also handle A8, ID cards, embossed hard cards and insurance cards	
	6. Departmental Scanner Features:	
	<ul style="list-style-type: none">Dual-pass	
	<ul style="list-style-type: none">On-board automatic image processing (Automatic orientation, cropping, color balance, brightness, and contrast)	
	<ul style="list-style-type: none">Straight-through paper path option	
	<ul style="list-style-type: none">Document protection	
	<ul style="list-style-type: none">Multi-feed detection	

HDS22-02	BUNDLED PROPRIETARY SOFTWARE W/ DOCUMENT ARCHIVING & INDEXING CAPABILITIES	
	Estimated Specifications:	
	1. Bundled proprietary software that can handle document archiving and automated indexing	
	<ul style="list-style-type: none"> Digital stamping/watermark 	
	<ul style="list-style-type: none"> Content-based blank page removal 	
	<ul style="list-style-type: none"> De-skew 	
	<ul style="list-style-type: none"> Image edge and hole fill 	
	<ul style="list-style-type: none"> Image merge and split 	
	STANDARD REQUIREMENTS	
	1. Delivery within 45 calendar days	
	2. Certification that the unit is brand-new inclusive of out-of-the box warranty on parts and labor	
	3. One (1) Year Warranty w/ on-site preventive maintenance	
	4. Provision of training for End-Users and System Administrators – Installation and Configuration, Basic Troubleshooting, Preventive Maintenance	
	5. Installation Assistance	
	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	

Conformed by:

**Authorized Representative's
Signature over printed name**

Date: _____



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ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
ADP22-01	3-in-1 Ink Tank Printer	
	Specifications:	
	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	
	Specifications:	
	Printer Method: Impact Dot Matrix	
	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:	
	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	
	Supplier Requirements:	
	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.	
ADP22-02	All-In-One Desktop Computer	
	Specifications:	
	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:	
	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.	

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ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
ICT22-01	ICT NETWORK INFRASTRUCTURE ON NCMH MEGA MODULAR HOSPITAL AND NCMH TRIAGE	
	Scope of Work:	
	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:	
	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:	
	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:	
	a. 24 port switch	
	• 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:	
	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.	
	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	
	<ul style="list-style-type: none"> 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	
	<ul style="list-style-type: none"> 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	
	<ul style="list-style-type: none"> 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. 	

	<ul style="list-style-type: none"> Supports WIPS and WIDS for rogue wireless access point detection. 	
	<ul style="list-style-type: none"> Connection between cloud-based wireless controller and wireless access points must be tunneled (CAPWAP), encrypted, and out-of-band. 	
	<ul style="list-style-type: none"> When accessing cloud-based wireless controller, TLS protocol must be present. 	
	<ul style="list-style-type: none"> Support Multi-factor authentication. 	
	<ul style="list-style-type: none"> Supports rogue AP and rogue client monitoring. 	
	<ul style="list-style-type: none"> Supports real time client behavioral analytics for better detection. 	
	<ul style="list-style-type: none"> Supports datacenter high availability – includes geographical and cloud network redundancies. 	
	d. Features:	
	<ul style="list-style-type: none"> Supports graphical widgets (GUI) 	
	<ul style="list-style-type: none"> Supports user analytics – includes client usages and history, live-logging, live troubleshooting tools, cloud health management, and reporting – includes historical and live connections. 	
	<ul style="list-style-type: none"> Supports view for all WAP's – includes network policies, radiation pattern, connected clients and health. 	
	<ul style="list-style-type: none"> Alarms and events lists for live connections. 	
	<ul style="list-style-type: none"> Real-time troubleshooting with probe messages and stage filters 	
	<ul style="list-style-type: none"> historical troubleshooting with automatic issue detection. 	
	<ul style="list-style-type: none"> Supports load balancing amongst Wireless Access Points. 	
	2. Wireless Access Points	
	a. Radio Specifications	
	<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. 	
	<ul style="list-style-type: none"> Supports Multi-user, multiple-input, multiple-output technology (MU-MIMO) and utilizes orthogonal frequency division multiple access (OFDMA) multiplexing technique. 	
	<ul style="list-style-type: none"> Supports 1024-QAM multiplexing. 	
	<ul style="list-style-type: none"> Supports maximal ratio combining (MRC) & beam forming. 	
	<ul style="list-style-type: none"> Data rate up to 500Mbps on 2.4GHz and 1.5Gbps on 5GHz. 	
	<ul style="list-style-type: none"> Supports 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax standards 	
	<ul style="list-style-type: none"> 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 	
	<ul style="list-style-type: none"> Supports at least 16 SSIDs per AP. 	
	<ul style="list-style-type: none"> Support at least 512 users per radio. 	
	<ul style="list-style-type: none"> 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. 	
	<ul style="list-style-type: none"> Supports roaming and mobility. 	
	<ul style="list-style-type: none"> Supports Bluetooth Low Energy. 	
	<ul style="list-style-type: none"> Supports mesh self-healing. 	
	b. Radio Management	
	<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. 	

	<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. 	
	<ul style="list-style-type: none"> 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. 	
	<ul style="list-style-type: none"> Has the ability to spread associated clients within adjacent WAPs. 	
	<ul style="list-style-type: none"> 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. 	
	<ul style="list-style-type: none"> Must support L2-L4 ACLs. 	
	<ul style="list-style-type: none"> Must have diagnostic tools for spectrum analysis and network traffic. 	
	c. Networking	
	<ul style="list-style-type: none"> 1 - 100/1000/2500 Mbps auto-negotiation RJ45 Ethernet port. 	
	<ul style="list-style-type: none"> 1 - 10/100/1000 Mbps auto-negotiation RJ45 Ethernet port. 	
	<ul style="list-style-type: none"> Supports 802.3af (PoE) and 802.3at (PoE+). 	
	<ul style="list-style-type: none"> Must support rate limiting. 	
	<ul style="list-style-type: none"> Support VPN technologies such as L2TP, GRE and Soft GRE. 	
	d. Security	
	<ul style="list-style-type: none"> Supports WPA, WPA2, WPA3 - Personal and enterprise. 	
	<ul style="list-style-type: none"> Supports AES and SAE encryption. 	
	<ul style="list-style-type: none"> Can be integrated and supports L2 to L7 stateful firewall from cloud-based wireless controller. 	
	<ul style="list-style-type: none"> Supports EAP-TLS, EAP-TTLS, EAP-MSCHAPv2, EAP-SIM. 	
	<ul style="list-style-type: none"> Supports VLAN tagging/pooling and tunneling with IPsec VPN. 	
	<ul style="list-style-type: none"> Real-time WIDS/WIPS with alerting and automatic rogue WAP containment. 	
	e. Wi-Fi Alliance Certifications	
	<ul style="list-style-type: none"> Wi-Fi CERTIFIED 6™ 	
	<ul style="list-style-type: none"> Wi-Fi CERTIFIED™ a, b, g, n, ac 	
	<ul style="list-style-type: none"> WPA™ - Enterprise, Personal 	
	<ul style="list-style-type: none"> WPA2™ - Enterprise, Personal 	
	<ul style="list-style-type: none"> WPA3™ - Enterprise, Personal 	
	f. Perpetual license is preferred if applicable but if not, it must include 5-year license.	
	g. Must be operational even if the cloud management license is no longer active.	
	h. POE injectors must be included. See the Expected Deliveries Section for numbers.	
	3. Network Switches (24-port switch)	
	a. Hardware Specification	
	<ul style="list-style-type: none"> Must have 24 x 10/100/1000 POE+ Ethernet ports. 	
	<ul style="list-style-type: none"> Must have at least 10/100/1000 4 SFP based network module. 	
	<ul style="list-style-type: none"> Must have redundant uplinks. 	
	<ul style="list-style-type: none"> Must support POE with a budget of 195W, 30W per port. 	
	b. Performance and Scalability	
	<ul style="list-style-type: none"> Must have 4 GB of Flash Memory. 	

	<ul style="list-style-type: none"> • Must have 4 GB of DRAM. 	
	<ul style="list-style-type: none"> • Must have throughput of at least 95 Mpps. 	
	<ul style="list-style-type: none"> • Must have forwarding performance (64-byte packet size) of at least 128 Gbps. 	
	<ul style="list-style-type: none"> • Support up to 1023 active VLANs. 	
	<ul style="list-style-type: none"> • Must support up to 4096 VLAN. 	
	c. Feature Specification	
	<ul style="list-style-type: none"> • Must have Cryptographically signed images provide assurance that the firmware, BIOS, and other software are authentic and unmodified. 	
	<ul style="list-style-type: none"> • Must have automatic configuration of QoS that allows switch to manage QoS policies based on traffic types resulting in zero-touch traffic engineering. 	
	<ul style="list-style-type: none"> • The propose switch must support hibernation mode that puts the switch in ultra-low power mode during periods of non-operation. 	
	d. Must support fundamental switch features such as: Layer 2 and must have the following Standards:	
	<ul style="list-style-type: none"> • IEEE 802.1D Spanning Tree Protocol 	
	<ul style="list-style-type: none"> • IEEE 802.1P CoS Prioritization 	
	<ul style="list-style-type: none"> • IEEE 802.1Q VLAN 	
	<ul style="list-style-type: none"> • IEEE 802.1S 	
	<ul style="list-style-type: none"> • IEEE 802.1W 	
	<ul style="list-style-type: none"> • IEEE 802.1X 	
	<ul style="list-style-type: none"> • IEEE 802.1AB (LLDP) 	
	<ul style="list-style-type: none"> • IEEE 802.3ad 	
	e. Must include Maintenance Support 8x5xNBD (Next Business Day)	
	f. Supports modern operating system for the enterprise with support for model-driven programmability features.	
	4. Network Switches (16-port switch)	
	a. Hardware Specifications	
	<ul style="list-style-type: none"> • Must have 16 x 10/100/1000 POE+ Ethernet ports. 	
	<ul style="list-style-type: none"> • Must have at least 10/100/1000 2 SFP based network module. 	
	<ul style="list-style-type: none"> • Must have redundant uplinks. 	
	<ul style="list-style-type: none"> • Must support POE with a budget of 120W, 30W per port. 	
	b. Performance and Scalability	
	<ul style="list-style-type: none"> • Must have 256 MB of Flash Memory. 	
	<ul style="list-style-type: none"> • Must have 512 MB of RAM. 	
	<ul style="list-style-type: none"> • Must have throughput of at least 26.0 Mpps. 	
	<ul style="list-style-type: none"> • 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. 	
	c. L2 switching	
	<ul style="list-style-type: none"> • Spanning Tree Protocol (STP). 	
	<ul style="list-style-type: none"> • Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP). 	
	<ul style="list-style-type: none"> • Voice VLAN is automatically assigned to an assigned to a voice-specific VLAN and treated with appropriate levels of QoS. 	
	d. L3 switching	
	<ul style="list-style-type: none"> • Support IPv4 and IPv6 routing. 	

	<ul style="list-style-type: none"> • Support for CIDR. 	
e.	Security	
	<ul style="list-style-type: none"> • Run-time defenses (Executable Space Protection, Address Space 	
	<ul style="list-style-type: none"> • Layout Randomization, Built-In Object Size Checking) 	
	<ul style="list-style-type: none"> • Supports MAC Address limiting 	
	<ul style="list-style-type: none"> • Supports encryption managing sensitive data such as passwords and keys according to user level and access method. 	
	<ul style="list-style-type: none"> • Ensures that the switch will process the management or protocol traffic regardless the load. 	
5.	IP Phones (End- Users/ Entry Level Phones)	
a.	Must have at least one programmable line key.	
b.	With lit and colored display.	
c.	Must have indicators for the audio path keys, select key, line keys, and message waiting.	
d.	Must have volume control toggle to adjust the volume of the handset, speakerphone, and ringer.	
e.	Must have full-duplex speakerphone.	
f.	Must support H.323 and SIP for signaling protocol.	
g.	Audio codec must support G.711a, G.711μ, G.722, G.729a.	
h.	Must have two port 10/100/1000 BASE-T Ethernet connection.	
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.	
j.	Must include all licenses needed.	
k.	Functions and Features.	
	<ul style="list-style-type: none"> • Call Forwarding 	
	<ul style="list-style-type: none"> • Last Number Redial 	
	<ul style="list-style-type: none"> • Call Waiting 	
	<ul style="list-style-type: none"> • Call Pick-Up 	
	<ul style="list-style-type: none"> • Call-back features 	
	<ul style="list-style-type: none"> • Call on hold 	
	<ul style="list-style-type: none"> • Caller number display on screen 	
	<ul style="list-style-type: none"> • Do Not Disturb 	
	<ul style="list-style-type: none"> • Multiple ring tones 	
	<ul style="list-style-type: none"> • Voice and video conferencing 	
	<ul style="list-style-type: none"> • Automatic Call Distribution 	
	<ul style="list-style-type: none"> • Dial by Name, Unified Directory access 	
	<ul style="list-style-type: none"> • Unified Call Detail records 	
	<ul style="list-style-type: none"> • Caller ID feature 	
	<ul style="list-style-type: none"> • Transfer 	
	<ul style="list-style-type: none"> • Point-to point video calling 	
	<ul style="list-style-type: none"> • Desktop sharing via softphones 	
	<ul style="list-style-type: none"> • Capable of handling up to 800 users 	
	<ul style="list-style-type: none"> • Personalized Automated Attendant 	
	<ul style="list-style-type: none"> • Welcome Greetings 	
	<ul style="list-style-type: none"> • Call History 	

	<ul style="list-style-type: none">• Voicemail	
	<ul style="list-style-type: none">• Directory	
	<ul style="list-style-type: none">• Audio Conference	
	<ul style="list-style-type: none">• Hold	
	<ul style="list-style-type: none">• Paging Integration	
	<ul style="list-style-type: none">• Perpetual licenses if applicable	
	<ul style="list-style-type: none">• Centralized licensing application	
	<ul style="list-style-type: none">• Each IP Phone must provide high-quality speakerphone technology including easy to use speaker on / off, microphone mute.	
	<ul style="list-style-type: none">• Must have volume control.	
	<ul style="list-style-type: none">• Can support Dual power: PoE with Standard power adaptor	
	6. IP Phone Locations (<i>"please see attached List of Items"</i>)	
	7. Wireless Access Point Locations (<i>"please see attached List of Items"</i>)	
	8. Fiber Optic Connections (<i>"please see attached List of Items"</i>)	
	9. CAT6 Backbone Connection (<i>"please see attached List of Items"</i>)	
	10. Information Outlet Point Locations (<i>"please see attached List of Items"</i>)	
	IV. Expected Deliverables	
	The expected deliverables (outputs) of this project are the following:	
	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:	
	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:	
	a. Fiber Optic Connectivity	
	<ul style="list-style-type: none">• Hospital 1 to Pavilion 22	
	<ul style="list-style-type: none">• Hospital 3 to Pavilion 22	
	<ul style="list-style-type: none">• NCMH triage to Pavilion 1	
	b. Cat6E Connectivity	
	<ul style="list-style-type: none">• Hospital 1 to hospital 2	
	<ul style="list-style-type: none">• 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 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. 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 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.	
	<ul style="list-style-type: none"> • Licensed Electronics and Communications Engineer 	
	<ul style="list-style-type: none"> • Manufacturer Certified Network Associate 	
	<ul style="list-style-type: none"> • Manufacture Certified Voice/IP Telephony Engineer 	
	<ul style="list-style-type: none"> • 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. 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:	
	<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. 	
	<ul style="list-style-type: none"> • Provision or entitlement of all applicable upgrades including hardware firmware or software upgrades without additional cost to NCMH. 	
	iv. Preventive and Remedial Services:	
	<ul style="list-style-type: none"> • Preventive maintenance services done semi-annually 	

	on-site.	
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Conformed by:

**Authorized Representative's
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



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Telefax No. 5318318

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Website: www.ncmh.gov.ph

SECTION VII Technical Specifications

ITB No. 027-2022

INSTRUCTION: Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
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.	