



**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. 062-2023**

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

| ITEM CODE       | ITEM DESCRIPTION   | QTY       | TOTAL PRICE       | DELIVERED, WEEKS/MONTHS |
|-----------------|--|-----------|-------------------|-------------------------|
| <b>VEE23-01</b> | <b>COMPUTER SET</b>  | <b>1</b>  | <b>677,660.00</b> | <b>90 calendar days</b> |
|                 | <b>DESKTOP PC</b>  | <b>10</b> | <b>563,000.00</b> |                         |
|                 | <ul style="list-style-type: none"><li>• Factor: Mid-tower w/ ATX 24 pins power supply unit</li><li>• Processor: Intel Core i5, up to 4.6 Ghz (13th Generation)</li><li>• Memory: 16 GB DDR4</li><li>• Dual Storage: 256 SSD &amp; 1 TB HDD</li><li>• Graphics: UHD Graphics</li><li>• Monitor: 22" LCD</li><li>• USB optical keyboard and mouse w/ mousepad</li><li>• Wi-Fi enabled, built-in wireless LAN 802.11 G/N card module, bluetooth wireless card</li><li>• Gigabit LAN</li><li>• Audio port</li><li>• Internal speaker</li><li>• Ports: 4 X USB 2.0 (Front/Rear), 2 x USB 3.0 (Front/Rear)</li><li>• USB Type C, HDMI &amp; VGA</li><li>• w/ uninterrupted power supply (UPS) at least 650 VA</li><li>• OS: Genuine MS Windows Professional 64 bit Pro licensed</li><li>• Warranty: Three (3) years on parts and labor</li></ul> |           |                   |                         |
|                 | <b>HEADSET</b>   | <b>10</b> | <b>16,000.00</b>  |                         |

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|  | <ul style="list-style-type: none"> <li>• (Jabra Evolve 20)</li> <li>• On-ear headband</li> <li>• Connectivity: USB</li> <li>• Speaker sensitivity: 93.6 db SPL at 1 kHz</li> <li>• Speaker impedance: 32+/-4.8Ω at 1.0 kHz</li> <li>• Speaker max input power: Rated input 5 mW @ 0.4V, max input 10 mW @ 0.56 V</li> <li>• Microphone type: electret condenser (ECM)</li> <li>• Microphone frequency range: 100 Hz - 10 kHz @ 6 dB</li> </ul>   |           |                   |  |
|  | <b>WEBCAM</b>  | <b>10</b> | <b>9,500.00</b>   |  |
|  | <ul style="list-style-type: none"> <li>• (A4 Tech PK-910H 1080P Full HD Webcam)</li> <li>• Resolution: Full HD 1080P, 1920 X 1080P</li> <li>• Lens type: Full HD Glass Lens</li> <li>• Viewing angle: 70 degrees</li> <li>• Focus type: Fixed Focus</li> <li>• Focus range: 60 cm and beyond</li> <li>• Built-in mic: Digital HD Mic</li> <li>• Frame rate: 30 fps</li> <li>• USB: USB 2.0</li> <li>• Compatible with: Windows 7/8/10 or later</li> <li>• Compatible with social and video calling software of the above system</li> </ul>               |           |                   |  |
|  | <b>ALL-IN-ONE TANK PRINTER</b>   | <b>4</b>  | <b>₱89,160.00</b> |  |
|  | <ul style="list-style-type: none"> <li>• Functions: Print, Scan, Copy, and ADF</li> <li>• Printer type: Inkjet Printer</li> <li>• Print Speed: 30 ipm (Fast Mode Mono A4)</li> <li>• 26 ipm (Fast Mode Color A4)</li> <li>• 17 ipm (ISO A4 Mono)</li> <li>• 16.5 ipm (ISO A4 Color)</li> <li>• Print resolution: FPOT: at least 1200 X 1600</li> <li>• 2 Sided printing: YES</li> <li>• Copy resolution: Print: Max. 1200 X 2400 dpi,</li> <li>• Scan: Max. 1200 X 1600 dpi</li> <li>• Scanner Bit Depth (Color): 30-bit input, 24-bit output</li> </ul> |           |                   |  |

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|                 | <ul style="list-style-type: none"> <li>Scanning resolution: Scan 1200 X 600 dpi ADF,</li> <li>Scan 1200 X 2400 dpi scanner glass</li> <li>Connectivity: Hi-speed USB 2.0</li> <li>LAN: Ethernet 10/100Base-TX Auto Negotiation</li> <li>Wireless LAN: IEEE 802.11b/g/n (Infrastructure)</li> <li>IEEE 802.11g/n (Wi-Fi Direct)</li> <li>Complete cable accessories</li> <li>Per unit must have additional 2 bottles of BLACK INK and 1 bottle of colored inks C/M/Y</li> <li>Warranty: Two (2) years on parts and services</li> </ul>  |           |                   |                         |
| <b>VEE23-02</b> | <b>NOTEBOOK PC</b>   | <b>10</b> | <b>509,000.00</b> | <b>90 calendar days</b> |
|                 | <ul style="list-style-type: none"> <li>Processor: Intel Core i5 12th generation or higher</li> <li>Memory: 15 GB SD RAM</li> <li>HD Graphics: Full HD</li> <li>Screen size: 14"</li> <li>Storage: at least 512 GB SSD</li> <li>Wireless connectivity: IEEE 802.11 a/b/g/n/ac/ax</li> <li>HD audio and microphone</li> <li>Headphone jack</li> <li>Bluetooth 5.0</li> <li>Webcam</li> <li>Network (RJ-45)</li> <li>USB Ports: at least three interfaces</li> <li>Battery: Lithium Ion</li> <li>OS: Windows 11 Home</li> <li>Office suite: Microsoft Home and Student w/ complete accessories</li> </ul> |           |                   |                         |
| <b>VEE23-03</b> | <b>SMART TV</b>  | <b>3</b>  | <b>58,740.00</b>  | <b>90 calendar days</b> |
|                 | <ul style="list-style-type: none"> <li>Capable of: Netflix, Voice Control, Web Browser, Mobile Screen, Mirroring, Youtube, Bluetooth Connectivity, Dolby Digital</li> <li>TV Resolution: 3840 x 1260</li> <li>Ports Input: USB, HDMI, RF in (Terrestrial/Cable Input), Composite in (AV), Ethernet (LAN)</li> <li>Power Consumption: 150 – 250W</li> <li>Input Voltage: 100-240V</li> </ul>  |           |                   |                         |

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|                 | <ul style="list-style-type: none"> <li>• Display Size: 55"</li> </ul>  |          |                   |                         |
| <b>VEE23-04</b> | <b>EXPANDABLE POWER STATION</b>  | <b>2</b> | <b>199,600.00</b> | <b>90 calendar days</b> |
|                 | <ul style="list-style-type: none"> <li>• Capacity: 2,048 W (51.2 V, 40 Ah)</li> <li>• Type: Life PO4 (Lithium Iron Phosphate)</li> <li>• Life cycles: 3,500+ cycles to 80% original capacity</li> <li>• Shelf-life: Recharge to 80% every 3-6 months</li> <li>• Management system: MPPT Controller, BMS, etc.</li> <li>• Output</li> <li>• AC Outlet: 4X 220V/20A, Outlet 1X 120V/30A NEMA TT-30 2200 W in total</li> <li>• Inverter type: Pure sine wave</li> <li>• Surge power: 4800 W</li> <li>• USB-C port 1: 1 X 100 W max.</li> <li>• USB-A port 2: 2 X 5V/3A USB-A 2 X 18 W USB-A</li> <li>• 12V DC Outlet: 1 X 12 V/10 A (Car outlet) 2 X 12 V/10 A DC 5521</li> <li>• (5.5 mm outlet) *All regulated.</li> <li>• Wireless charging pad: 2 X 15 W Max. (for each)</li> <li>• Input</li> <li>• AC Adapter Input: 500 W</li> <li>• Solar input: 900 W Max., VOC 10-145 VDC, 15 A</li> <li>• Car input: 12/24 V from cigarette lighter port</li> <li>• Max. input: 1,400 W, with AC + Solar input</li> <li>• Recharge Time</li> <li>• AC Adapter (500 W): 5.5 - 6 hours</li> <li>• Solar (900 W): 3.5 - 3.5 hours (w/ prime sunshine, ideal orientation and low temperature)</li> <li>• 12 V/24 V car outlet (100 W/ 200 W): 10 or 20 hours</li> <li>• AC Adapter + Solar (1400 W): 2.0 - 2.5 hours (w/ prime sunshine, ideal orientation and low temperature)</li> </ul> |          |                   |                         |

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|                 | <ul style="list-style-type: none"> <li>• Dual AC Adapters (1000 W): 3.0 - 3.5 hours</li> <li>• Warranty: 4 years</li> </ul>  |          |                   |                         |
| <b>VEE23-05</b> | <b>MANAGED SWITCH 24-PORT</b>  | <b>1</b> | <b>100,000.00</b> | <b>90 calendar days</b> |
|                 | <p>Network Switches (24-port switch)</p> <p>A. Hardware specification</p> <ol style="list-style-type: none"> <li>Must have 24 X 10/100/1000 POE + Ethernet ports</li> <li>Must have at least 10/100/1000 4 SFP-based network module</li> <li>Must support POE w/ a budget of 195 W, 30 W per port</li> </ol> <p>B. Performance and scalability</p> <ol style="list-style-type: none"> <li>Must have 256 MB of flash memory</li> <li>Must have 512 MB of DRAM</li> <li>Must have a throughput of at least 40 MPPS</li> <li>Must have forwarding performance (64-byte packet size) of at least 28 Gbps</li> <li>Must have switching performance of at least 56 Gbps</li> <li>Support up to 1023 active VLANs</li> <li>Must support up to 4096 VLAN</li> </ol> <p>C. Feature specification</p> <ol style="list-style-type: none"> <li>Device management support with over-the-air access via bluetooth, Simple Network Management Protocol (SNMP), RJ-45 console access</li> <li>Must have an automatic attempt to reactive link that is disabled because of network error</li> <li>Must have the capability to be fully integrated into the existing network switches installed in the hospital</li> </ol> <p>D. Must support fundamental switch features and must have the following standards:</p> <ol style="list-style-type: none"> <li>IEEE 802.1D Spanning Tree Protocol</li> <li>IEEE 802.1P CoS Prioritization</li> <li>IEEE 802.1Q VLAN</li> <li>IEEE 802.1S</li> <li>IEEE 802.1W</li> <li>IEEE 802.1X</li> </ol> |          |                   |                         |

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|                 | <ul style="list-style-type: none"> <li>vii. IEEE 802.1AB (LLDP)</li> <li>viii. IEEE 802.3ad</li> <li>E. Must include maintenance support 8 X 5 X NBD (Next business day)</li> <li>F.Supports modern operating systems for the enterprise w/ support for model-driven programmability features</li> </ul>   |          |                   |                         |
| <b>VEE23-06</b> | <b>WIRELESS ACCESS POINT</b>   | <b>1</b> | <b>100,000.00</b> | <b>90 calendar days</b> |
|                 | <p>Entry-level Wireless Access Point</p> <p>A. Radio specifications</p> <ul style="list-style-type: none"> <li>i. Can support simultaneous device connections; radio 2 X 2:2 in both 2.4 GHz and 5 GHz</li> <li>ii. 2.4 GHz &amp; 5 GHz dual-band WIDS/WIPS, spectrum analysis, and location analytics radio</li> <li>iii. 2.4 GHz bluetooth low energy (BLE) radio w/ beacon and BLE Scanning support</li> <li>iv. Supports multi-user, multiple-input, multiple-output technology (MU-MIMO) and utilizes Downlink Orthogonal Frequency Division Multiple Access (DL-OFDMA) multiplexing technique</li> <li>v. Supports 1024-QAM multiplexing</li> <li>vi. Supports maximal ratio combining (MRC) and beam forming</li> <li>vii. Data rate up to 286 Mbps on 2.4 GHz and 1.2 Gbps on 5 GHz</li> <li>viii. Supports 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax standards</li> <li>ix. Has antenna gain of less than or equal to 4.5 dbi when using 2.4 GHz and less than or equal to 5 dpbi when using 5 GHz</li> <li>x. Supports roaming and mobility; PMK, OKC, and 802.11r for fast Layer 2 roaming; distributed or centralized Layer 3 roaming</li> <li>xi. Supports bluetooth low energy</li> <li>xii. Supports mesh self-healing</li> </ul> <p>B. Radio management</p> |          |                   |                         |

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|  | <ul style="list-style-type: none"> <li>i. Must be seamlessly integrated with the existing cloud-based wireless controller of NCMH</li> <li>ii. Has the ability to change an AP's channel automatically within either the 2.4 or 5 GHz bands/channels when interference of contention conditions requireds.</li> <li>iii. Has the ability to scan other channels to be able to detect congested and free ones; to efficiently detect rogue WAPs</li> <li>iv. Has the ability to redistribute clients on different bands dynamically to balance associated clietns so that APs can provide better Wi-Fi service to clients with weaker signals</li> <li>v. Has the ability to spread associated clients within adjacent WAPs</li> <li>vi. Has the ability to divide Wi-Fi Signal into many time slots and make each client take turns sending and receiving data from the network to improve efficiency; it must have the ability to prioritize certain connections</li> <li>vii. Must support L2-L4 ACLs</li> <li>viii. Must have diagnostic tools for spectrum analysis and network traffic</li> <li>ix. Analytics: <ul style="list-style-type: none"> <li>x. Embedded location analytics reporting and device tracking</li> <li>xi. Global L7 traffic analytics reporting per network, per device, per application</li> </ul> </li> </ul> <p>C. Networking</p> <ul style="list-style-type: none"> <li>i. 1 X 10/100/1000 BASE-T Ethernet (RJ45)</li> <li>ii. Supports 802.3af (PoE): 37-57 V</li> <li>iii. Must support rate limiting</li> </ul> <p>D. Security</p> <ul style="list-style-type: none"> <li>i. Supports WPA, WPA2, WPA3 - personal and enterprise</li> <li>ii. Supports AES and SAE encryption</li> </ul> |  |  |  |
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|                 | <p>iii. Can be integrated and support L2 - L7 stateful firewall from cloud-based wireless controller</p> <p>iv. Flexible guest access w/ device isolation</p> <p>v. Enterprise Mobility Management (EMM); Mobile Device Management (MDM) Integration Supports EAP-TLS, EAP-TTLS, EAP-MSCHAPv2, EAP-SIM</p> <p>vi. Supports VLAN tagging/pooling and tunneling w/ IPsec VPN</p> <p>vii. Real-time WIDS/WIPS w/ alerting and automatic rogue WAP containment</p> <p>E. Wi-Fi Alliance Certifications</p> <p>i. Wi-Fi Certified 6</p> <p>ii. Wi-Fi Certified a, b, g, n, ac</p> <p>iii. WPA - Enterprise, Personal</p> <p>iv. WPA 2 - Enterprise, Personal</p> <p>v. WPA 3 - Enterprise, Personal</p> <p>F. Perpetual license is preferred if applicable, if not, it must include a 5-year license; with a 1-year warranty and advance replacement included</p> <p>G. Must be operational even if the cloud management license is no longer active</p> <p>H. POE injectors must be included</p> |          |                   |                         |
| <b>VEE23-07</b> | <b>HEAVY DUTY MONOCHROME MULTI-FUNCTION PRINTER</b>  | <b>1</b> | <b>230,000.00</b> | <b>90 calendar days</b> |
|                 | <ul style="list-style-type: none"> <li>• Minimum of 45 ppm copy/ppm or higher</li> <li>• Copy, Print, Scan up to A3 Size</li> <li>• Minimum of multi-copy prints 1-9,999 sheets</li> <li>• Minimum of 300 sheets for document feeder: min. 35 gsm to max. 210 gsm</li> <li>• Warm-up time: 15s or less</li> <li>• 1st page out time: 3.8s or less</li> <li>• Resolution: 1800 X 600, 1200 X 1200 dpi</li> <li>• Memory: 8 GB or higher</li> <li>• Hard drive: 256 GB SSD standard</li> <li>• Network capability: Windows, Macintosh, Linux</li> </ul>  |          |                   |                         |



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|  | <ul style="list-style-type: none"> <li>• With at least panel size 10" or higher</li> <li>• With at least 2 cassette tray (500 sheets per tray) and bypass tray (150 sheets or higher)</li> <li>• Scanning speed: 280 ipm in duplex or higher</li> <li>• Toner capacity range: 24,000-26,000 prints higher</li> <li>• Drum capacity range: 260,000-300,000 prints</li> <li>• Developer capacity range: 1,000,000-1.5M prints or higher</li> <li>• Power supply: 220-240V 50/60 Hz</li> <li>• With steel table/pedestal</li> <li>• Can print banner size 1200 X 297 mm</li> <li>• Minimum of 1 year warranty on parts</li> <li>• With initial toner and developer and drum</li> <li>• Package with external electronic stapler</li> <li>• Battery or plug in operating dual power operation</li> <li>• Dual direction design, horizontal and vertical</li> <li>• 40 sheets stapling capacity, 64 gsm</li> <li>• Flat clinch finishing</li> <li>• Rapid stapling performance</li> <li>• Noiseless operation - less than 70 dB</li> <li>• Adjustable stapling depth - 3-15.5 mm</li> <li>• Corner stapling, 45 degrees corner stapling</li> <li>• Easy staple loading - push a button and the magazines comes out to insert new staples</li> <li>• Staple storage compartment</li> <li>• Staple within 0.7s</li> <li>• Weight - 860g</li> <li>• Power consumption - less than 25 W</li> <li>• Loading capacity - 100 staples</li> </ul> |  |  |  |
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|  | <ul style="list-style-type: none"><li>• Direct distributor form all the brand being offered (w/ attached certificate)</li><li>• Warranty - 1 year</li></ul> |  |  |  |
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**CONFORMED BY:**  
**(Signature over printed name)**

**DATE:**