



National Center for Mental Health

LIST OF ITEMS FOR PUBLIC BIDDING CY2023 DELIVERY, CONFIGURATION, DEPLOYMENT, AND COMMISSIONING OF THE NATIONAL CENTER FOR MENTAL HEALTH (NCMH) NEXT GENERATION FIREWALL

NO	ITEM CODE	ITEM DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	NGF23-01	DELIVERY, CONFIGURATION, DEPLOYMENT, AND COMMISSIONING OF THE NATIONAL CENTER FOR MENTAL HEALTH (NCMH) NEXT GENERATION FIREWALL	1	lot	4,230,802.57	4,230,802.57
		<p>I. SCOPE OF WORKS</p> <p>A. General Works</p> <ol style="list-style-type: none"> 1. Delivery, configure, deploy, and commission the procured NCMH Next-Generation Firewall. 2. The bidder must configure the procured network active components based on the configuration provided by NCMH IHOMP/IT Unit and migrate all the configurations from the existing NGFW to the newly procured NGFW. 3. During the deployment and configuration, the supplier must ensure that the activity will only have minimal to no business disruptions. 4. Deploy, deliver, commission, and configure the next-generation firewall connected through site-to-site VPN to NCMH – Camarin. 5. The bidder must provide all components, cables, modules, or devices that are necessary for the project. The bidder must consult the system administrator for their preferred schedule before doing any major installation and/or fixes. 6. Define and configure administrative and system security policies, practices, and codes. 7. Prepare a hardened system and turnover of administrative rights to NCMH. 8. Test and debug the deployed network active components. 9. The bidder must provide detailed technical documentation of the project. 10. Any improvement and/or supplemental to the conceptual design, quantity, and/or deemed necessary to attain functionality, integrity, security, and completion of the project must be shouldered by the bidder with no additional cost. 11. 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. 12. Bidder must provide manufacturer-certified network professional full course training on the existing network engineering technology. <ol style="list-style-type: none"> i. Curriculum-based 				



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training from a certified training center for two (2) NCMH network and security administrators on the following but not limited to installing, configuring, administration, and managing the Next Generation Firewall.

B. Technical Specifications

The specifications of the proposed network core active components will be the following:

1. Physical interfaces
 - i. Mounting: 1U rackmount
 - ii. Multi-function LCD display and navigation
 - iii. Micro USB, RJ45, 2 x USB 3.0, MGMT port
 - iv. 4 x SFP+ fiber ports; with 2 SFP+ fiber ports
 - v. 4 x 2.5 GbE copper
 - vi. 4 x GbE copper
 - vii. 2 x expansion bay
 - viii. Power supply: Internal Hot Swappable auto-ranging AC-DC 100-240VAC, 3.7-7.4A@50-60 Hz Internal Redundant PSU Option
 - ix. Storage: 2 x at least 240 GB SATA-III SSD
2. Performance
 - i. Firewall throughput: at least 80,000 Mbps
 - ii. Firewall IMIX: at least 37,000 Mbps
 - iii. Firewall Latency: 4 μ s on 64-byte UDP
 - iv. IPS throughput: at least 36,500 Mbps
 - v. Threat Protection throughput: at least 8,650 Mbps
 - vi. NGFW: at least 30,000 Mbps
 - vii. Concurrent connections: at least 17,200,000
 - viii. New connections/sec: at least 450,000
 - ix. IPsec VPN throughput: at least 75,550 Mbps
 - x. IPsec VPN concurrent tunnels: at least 8,500
 - xi. SSL VPN concurrent tunnels: at least 10,000
 - xii. SSL/TLS Inspection: at least 10,600 Mbps
 - xiii. SSL/TLS Concurrent connections: at least 276,480
3. Features
 - i. TLS 1.3 Inspection
 - ii. Deep Packet Inspection
 - iii. Can support Centralized Management
 - iv. Synchronized Application Control
 - v. Has sandbox capability; can analyze all unknown files using AI, ML, and sandboxing
 - vi. Next-gen Intrusion Prevention System
 - vii. Advanced Threat Protection
 - viii. Extensive network and threat reporting
 - ix. Web Control
 - x. Web Threat Protection
 - xi. App Control
 - xii. Machine Learning
 - xiii. Cloud-based intelligence and analysis

		<p>xiv. Dynamic runtime analysis of unknown files</p> <p>xv. Email Protection</p> <p>II. EXPECTED DELIVERABLES</p> <ol style="list-style-type: none"> i. One configured, commissioned, and tested Next-Generation Firewall Appliance. ii. One 3-year firewall license for features indicated in the TOR. iii. Manufacture Certified Training <p>III. IMPLEMENTATION ARRANGEMENTS INCLUDING ROLES AND RESPONSIBILITIES</p> <p>Within the Project duration the NCMH shall:</p> <ol style="list-style-type: none"> 1. Provide a technical working committee to supervise and monitor the project. 2. Provide a technical contact person 3. Facilitate access to information, documents, facilities and other necessary things needed by the contractor to perform services. 4. 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. 5. Approve the proposed working schedule of the supplier. 6. Provide temporary ID to all personnel involved in the installation 7. Grant authorized representative access to premises as well as equipment and all facilities located therein to perform the supplier's obligations. 8. Make prompt review and revision, if necessary, which shall be not later than ten (10) working days from receipt of the work produced. 9. 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>Within the Project duration the winning Contractor/Supplier shall:</p> <ol style="list-style-type: none"> 1. Perform services professionally based on industry standards and always protect the interest of the government in general and NCMH. 2. Provide a list of certified engineers/technical support team with addresses and contact numbers, involved, and other activities related to the project. 3. Secure the NCMH permits, licenses, and approvals that are or may be necessary to perform services. 4. 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. 5. Complete the delivery, installation, and configuration within sixty (60) calendar days from the receipt of the Notice to Proceed. 				
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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.

6. Submit a proposed working schedule for approval of NCMH and secure a security pass and working permit on their site.
7. Ensure that all personnel involved in the project must be in proper uniform because it will be their identification from the rest of NCMH's employees and visitors.
8. Protect the privacy of NCMH and ensure that all confidential information and data on its ICT infrastructure are kept confidential.

IV. QUALIFICATION OF THE SUPPLIER

1. 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
2. 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.
3. 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.
4. Should have been engaged for at least 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.
5. The 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 Network Engineering.
 - i. Licensed Electronics and Communications Engineer
 - ii. Manufacturer Certified Associate
 - iii. Manufacturer Certified Architect
6. Must have a 24x7 helpdesk support system.
7. 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.

V. ADDITIONAL REQUIREMENTS TO BE SUBMITTED WITH TECHNICAL PROPOSAL

1. Plan of Approach and Methodology
2. Complete technology solution offered including detailed specification.
3. Corporate Profile which should include

		<p>major achievements, service Portfolio or services offered by the firm, experience or engagements both local and international.</p> <p>4. List of engineers.</p> <p>5. Draft of Service Level Agreement</p> <p>V. WARRANTY PERIOD AND SERVICES</p> <p>1. Period: Three (3) years warranty is required on all delivered goods and shall take effect immediately after final acceptance of the project with NCMH.</p> <p>2. Product upgrades:</p> <p>i. Provision, supply, and installation of announced improvements on the proposed product and/or any of its components, after the date of submission of proposals and before the date of implementation in the project sites without additional costs to NCMH.</p> <p>ii. Provision or entitlement of all applicable upgrades including hardware firmware or software upgrades without additional cost to NCMH.</p> <p>3. Preventive and Remedial Services:</p> <p>i. Preventive maintenance services are done semi-annually on-site.</p>					
						TOTAL AMOUNT	PHP 4,230,802.57

Submitted by:


WILLIAM WALLACE L. ARIAS, ECE
 (End-User)

Recommending Approval:


ALDEN C. CUYOS, MD, FPPA, IFAPA, MMHoA
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Approved by:

(SGD)
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 Medical Center Chief II