



Republic of the Philippines
Department of Health
CENTRAL OFFICE BIDS AND AWARDS COMMITTEE

BID BULLETIN NO. 2
03 January 2024

**PROCUREMENT OF HYPER CONVERGED INFRASTRUCTURE (HCI) FOR
SELECTED DOH HOSPITALS
IB No. 2024-151**

This Bid Bulletin is being issued to announce the new schedule of Submission and Opening of Bids, to clarify the issues and concerns raised by prospective bidders during and after the Pre-Bidding Conference held last 15 December 2023, and to amend or modify the bidding documents posted in the PhilGEPS and DOH websites for the above-mentioned project. This Bid Bulletin shall form an integral part of the bidding documents. Listed below are the corresponding modifications/changes, to wit:

A. New Schedule of Activity:

ACTIVITY	FROM	TO	VENUE
Submission and Opening of Bids	29 December 2023; 9:00 AM	11 January 2024; 9:00 AM	COBAC Conference Room., Ground Floor, Bldg. No. 6, Department of Health, San Lazaro Compound, Sta. Cruz, Manila and through video conferencing via Cisco WebEx

B. Clarification on the Issues and Concerns during the Pre-Bidding Conference:

PARTICULARS	COMMENTS / RECOMMENDATION	KMITS RESPONSE
G. One (1) Server Rack	Suggestion to remove the dimension of 42U	No changes for this requirement. The technical specification for Server rack dimension is DOH minimum technical specification. The prospective bidder may offer higher technical specification or ensure that proposed HCI will be able to fit in the proposed 42U Server Rack.
VII. Similar Contract	Prospective Bidder clarify if similar contract is either Hyperconverged Infrastructure or Hypervisor or HCI with Hypervisor.	This is a typographical error. This should be changed and read as: Shall refer to Hyper Converged Infrastructure and Hypervisor that must be completed within five (5) years.

C. Response to the queries raised by Prospective Bidder's (PBs):

PARTICULARS	QUERIES	RESPONSE
TEKZONE COMPUTER SALES AND SERVICES INC. (TCSSI)		
<p>V. Technical Specifications</p> <p>A. General Requirements</p> <p>11. The proposed HCI must be in the Leader of Magic Quadrant</p>	<p>As mentioned in A.11, can we relax the specification to "The proposed HCI must be included to latest Gartner Magic Quadrant"?</p> <p>The existing specification constricts it to 2 vendors only. Our proposed brand is part of the Gartner's Magic Quadrant but not belongs to the leader players.</p>	<p>No changes for this requirement.</p> <p>After careful consideration, we believe that adhering to the existing requirements is in the best interest of DOH and DOH Hospitals. The proposed HCI solution must possess demonstrated strength and capabilities, must be compatible across platforms and a high standard of quality.</p> <p>Technologies included in the Leader of Magic Quadrant guide/report undergo validation, affirming; their innovations, solutions, implementations and their technology are dependable, robustness, reliability, ease of deployment, availability of spare parts, and after-sales support from both the principal and prospective bidder for the subsequent years.</p>
<p>B. Hardware Requirements</p> <p>2. Four (4) Nodes/Servers/Blades, each Node/Server/Blade must have the following minimum specification;</p> <p>g. Must support existing VMWare virtualization technology of DOH</p>	<p>As mentioned in B.2.h, can we relax the specification to "Must provide a hypervisor that supports existing VMWare virtualization technology of DOH"? The existing specification explicitly specifies the brand VMWare, constricting and locking it to a single vendor.</p>	<p>No changes for this requirement.</p>
<p>C. Software Requirements</p> <p>2. System Architecture</p> <p>c). The hyperconverged system must also be able</p>	<p>As mentioned in C.2.c, what is the storage system and model</p>	<p>For the existing NAS storage system and model shall be</p>

PARTICULARS	QUERIES	RESPONSE
to integrate with legacy/existing NAS.	of the legacy/existing NAS?	disclosed to the winning bidder only due security purposes. The technical requirements contain a typographical error. This should be changed and read as: c) The hyper converged system must support integration with legacy or existing NAS;
<p>D. Software Defined Storage Features:</p> <p>10. Support large storage resource pools, and resources within a pool are fully shared. A single storage pool must contain minimum of 96 to over 2048 disk. Data in each pool is automatically balanced and the same performance is delivered to all applications</p>	As mentioned in D.10, does the storage pool should contain a minimum of 96 disks per cluster?	This should be replaced and read as: 10. Support large storage resource pools, and resources within a pool are fully shared. The storage pool must contain minimum of 24 disk per node. Data in each pool is automatically balanced and the same performance is shared delivered to all applications.
<p>D. Software Defined Storage Features:</p> <p>16. The system must be compatible with mainstream virtualization software include VMWare and KVM; and xxx</p>	As mentioned in D.16, can we relax the specification to " The system provided that has its own hypervisor which supports mainstream virtualization software including VMWare or KVM "? The existing specification constricts it to a specific vendor	No changes for this requirement. The technical requirements contain a typographical error. This should be changed and read as: 16. The system must be compatible with mainstream virtualization software including VMWare and KVM; and xxx
<p>VI. Additional Documents</p> <p>7. Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the VMware and Server Operating System and other peripherals to make it</p>	As mentioned in the Additional Specification Sector #7, can we provide a hypervisor that can support VMWare integration? The existing specification explicitly specifies the brand VMWare, constricting and locking it to a single vendor.	This is a typographical error. This should be changed and read as: 7. Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the Hypervisor and Server Operating

PARTICULARS	QUERIES	RESPONSE
fully operationalized.		System and other peripherals to make it fully operationalized.
ACCENT MICRO TECHNOLOGIES INC. (AMTI)		
E. Hyperconverged Platform		
<p>11. License shall be an open or volume license that is perpetual and transferrable, with an active maintenance subscription for at least three (3) years including upgrades, updates, and technical support. 24 hours per day, 7 days a week for problem resolution and 4 hours response time through email, phone, or Web and on site.</p>	<p>Page 38 Section E. Hyperconverged Platform</p> <p>Currently the market leaders for virtualization platform are transitioning from perpetual licenses to subscription licensing. With this, may we request an “OR” statement to be added to this line. “Perpetual license OR software subscription that is transferrable with an active maintenance subscription”</p>	<p>In light of the evolving trends within the virtualization platform market, the TWG agreed to revised this requirement and should read as:</p> <p>11. License shall be an open or volume license that is perpetual or software-based subscription that is transferrable, with an active maintenance subscription for at least three (3) years including upgrades, updates, and technical support. 24 hours per day, 7 days a week for problem resolution and 4 hours response time through email, phone, or Web and on site.</p>
AG DATACOM PHILS. INC. (ADPI)		
A. General Requirement		
<p>2. Guarantee that there is congruence and compatibility with DOH procured Hyper Converged Infrastructure and its Hypervisor Platform in make, kind, quality and functionality.</p>	<p>1. Technical Specification on page 34 General Requirement Item 2 - Please elaborate more on the compatibility? Is it compatibility on existing or compatibility between propose equipment and applications?</p>	<p>The proposed HCI Equipment and Hypervisor must be compatible and similar in terms of kind, make, quality and functionality with the previously deployed and procured HCI Equipment and Hypervisor by DOH to ensure uniformity, reliability and for future replication to DOH Infrastructure.</p>
<p>11. The proposed HCI must be in the Leader of Magic Quadrant</p> <p>A. General Requirements</p>	<p>2. Technical Specification on page 35 General Requirement Item 11 - Can we please request to relax this requirement since there are only two brands to comply this requirement.</p>	<p>No changes for this requirement.</p> <p>After careful consideration, we believe that adhering to the existing requirements is in the best interest of DOH and DOH Hospitals. The proposed HCI solution must possess demonstrated strength and capabilities, must be compatible across platforms and a high standard of quality.</p>

PARTICULARS	QUERIES	RESPONSE
		Technologies included in the Leader of Magic Quadrant guide/report undergo validation, affirming; their innovations, solutions, implementations and their technology are dependable, robustness, reliability, ease of deployment, availability of spare parts, and after-sales support from both the principal and prospective bidder for the subsequent years.
12. Ensure or add to the conceptual design, quantity of the component/s and specification/s given by the DOH-KMITS for DOH Hospitals to attain functionality, stability, integrity, connectivity/ interoperability and security of the proposed HCI and to meet the project objectives and industry standards given proper justification and explanation of the necessity of the improvements recommended.	3. Technical Specification on page 35 General Requirement Item 12 - Please elaborate more on the connectivity and interoperability, is it between the existing HCI and this new HCI or between hypervisor and applications?	This is between the proposed HCI equipment and the existing network infrastructure of DOH Hospital.
<p>B. Hardware Requirements</p> <p>2. Four (4) Nodes/Servers/Blades, each Node/Server/Blade must have the following minimum specification;</p> <p>c) Twelve (12) x 1.2 TB 10K SAS HDD or higher</p> <p>d) 2 x 800GB SSD or Higher for Cache Tier</p>	4. Technical Specification on page 35 Hardware requirement Item C and D – May we ask if this can be changed to the required capacity per node instead. we will be proposing servers using NVMe SSD so cache will not be needed anymore. Can comply with the capacity using 5 x 3.2TB SSD .	No changes for this requirement. This is a minimum requirement. The PB may offer higher or other solutions that will comply on the required minimum technical specification and proportion to the proposed HCI Hardware Requirements.
g) Two (2) x SAS SSD 400GB or higher with RAID Controller Card or other solutions that will comply with this requirement	5. Technical Specification on page 35 Hardware requirement Item G – If NVMe SSD will be approved, we will use NVME	This is a minimum requirement. The PB may offer higher or other solutions that will comply on the required minimum technical

PARTICULARS	QUERIES	RESPONSE
for Hypervisor OS	architecture so no need to have additional RAID card. Asking if the second raid card can be labeled as optional.	specification and proportion to the proposed HCI Hardware Requirements.
Must support existing VMWare virtualization technology of DOH	6. Technical Specification on page 35 Hardware requirement Item H - Question regarding the virtualization technology if there will be a connection or replication between existing HCI and for this new HCI, if not can we offer other Hypervisor?	No changes for this requirement. Yes, there will be a replication between DOH Central Office, Centers for Health Development, and Hospitals for synchronization, redundancy, and backup.
D. Software Defined Storage Features 3. Proposed solution must be able to support two (2) disk group.	7. Technical Specification on page 36 Software Defined Storage Features Item 3 - Asking if this can be relaxed. Proposed solution is using NVME disks. Higher performance compared to 2 disk groups.	No changes for this requirement. This is a minimum requirement. The PB may offer other solution or technology that is higher on the stated technical requirements
D. Software Defined Storage Features 14. The distributed write cache support SSDs or; 15. PCIe NVMe Flash to improve write and read operations performance;	8. Technical Specification on page 37 Software Defined Storage Features Item 15 - provided solution is using NVME disk already. Asking for this to be removed or tagged as optional.	No changes for this requirement This is a minimum requirement. The PB may offer SSD or PCIe NVMe, and higher or other solutions that will comply on the required minimum technical specification and proportion to the proposed HCI Hardware Requirements.
F. Data Resiliency and Data Protection 3. Must have ability to perform	9. Technical Specification on page 38 Date Resiliency and Data Protection Item 3 – May we confirm what to perform?	This is a typographical error. This should be changed and read as: 3. Must have the ability to perform stretched clusters natively for zero data loss (RPO=0) environments.
Bid Documents	10. On submission of bidding documents, is it hardcopy or softcopy? And how many copies needed?	Refers to the Invitation to Bid No. 7 which states that, Bids must be duly received by the <i>COBAC-B Secretariat</i> through either (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both

PARTICULARS	QUERIES	RESPONSE
		<p>on or before <i>scheduled date</i>. Late bids shall not be accepted.</p> <p>For electronic submission, read Invitation to Bid No. 10.</p> <p>For manual submission, read Bid Data Sheet under ITB Clause 15.</p>
CAPSTONE-INTEL CORPORATION (CIC)		
Payment	<p>Since the project involves early procurement, we would like to ask as to when is it most likely that the fund will be approved and be available? Knowing the exact availability of funds would help us provide the best price offer for this Project.</p>	<p>The release of fund depends on the approval of the General Appropriation Act (GAA) of 2024</p>
Single Largest Completed Contract (SLCC)	<p>2. Pertaining to the requirement on Single Largest Completed Contract (SLCC), we would like to ask the following:</p> <ul style="list-style-type: none"> a. Instead of the SLCC being completed within five (5) years prior to the deadline for the submission and receipt of bids, we would like to ask if it would be possible to extend it ten (10) years? b. B. We would like to ask that aggregate contracts for the compliance of the SLCC be allowed as this would open the opportunity to more potential bidders c. Under “Paragraph A” of ITB Clause 5.3 of Section III (Bid Data Sheet), we would like to ask for the revision of “Hyper Converged Infrastructure and/or 	<ul style="list-style-type: none"> a. No changes for this requirement b. No changes for this requirement. c. No changes for this requirement

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	Hypervisor,” to “Any system that provides utility for storage, computing, networking and/or management to invite more prospective bidders	
Bid Data Sheet	<p>3. Given that the electronic submission is allowed, we would like to ask the following:</p> <p>A. Can we submit both physical and softcopy bid? If so, which shall prevail in case discrepancy arises?</p> <p>B. How are we going to</p>	<p>Invitation to Bid No. 7 states that, <i>Bids must be duly received by the COBAC–B Secretariat through either (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before scheduled date. Late bids shall not be accepted.</i></p> <p>Thus, bidders may submit both printed and soft copies of the bid proposals <i>on or before scheduled date.</i></p> <p>Bidder shall refer to the attached Checklist of Technical and Financial Documents, to ensure the completeness of the bid.</p> <p>In accordance with Section 30.1 of the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, bids that fail to include any requirement or are incomplete or patently insufficient shall be considered “FAILED”.</p> <p>In case there is a discrepancy between the printed bid proposal and the soft copy of the bid proposal, the printed bid proposal shall prevail.</p> <p>For electronic submission, read Invitation to Bid No. 10.</p>

PARTICULARS	QUERIES	RESPONSE
	<p>comply with ITB Clause 15 of the Bid Data Sheet which pertains to the submission of the original and two copies of certain documents if we are going to submit via softcopy?</p>	<p>For manual submission, read Bid Data Sheet under ITB Clause 15.</p>
<p>Bid Data Sheet</p>	<p>4. Under ITB Clause 20.1 of Bid Data Sheet, we would like to seek clarification on the following:</p> <p>A. We would like to clarify whether the provision under the Note 1 can be construed as “only eligibility documents are required to be submitted by both JV partners, and that any of the JV partners may submit post-qualification documents?”</p> <p>B. Under Note 2 of the same provision, we would like to ask how are we going to submit the softcopy during the opening of bids if we resort to physical submission of bids?</p>	<p>Pursuant to RA 9184 under Section 23.1 and 24.1.b. states that:</p> <p>Each partner of the joint venture shall submit their respective PhilGEPS Certificates of Registration in accordance with Section 8.5.2 of this IRR. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: Provided, That the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Financial Statements</p> <p>Invitation to Bid No. 7 states that, Bids must be duly received by the <i>COBAC-B Secretariat</i> through either (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before <i>scheduled date</i>. Late bids shall not be accepted.</p> <p>For electronic submission, read Invitation to Bid No. 10. For manual submission, read Bid Data Sheet under ITB Clause 15.</p>

PARTICULARS	QUERIES	RESPONSE
<p>Special Conditions of Contract</p>	<p>5. Under Section 5 (Special Conditions of Contract), we would like to ask the following:</p> <p>A. GCC Clause 1 requires “three (3) years warranty on parts and services. However, we would like to ask if it can be reduced to one or two years?</p> <p>B. What kind of warranty retention will apply for three years? How much amount will be held by the DOH until its expiration?</p> <p>C. GCC Clause 1 requires 95% uptime on Service Level Agreement. However, we would like to ask if it can be decreased to 90% to accommodate emergency down times.</p> <p>D. Still pertaining to the same provision, we would like to ask if hardware part replacement be extended from 72 hours to at least one week?</p> <p>E. On Technical Support, we would like to clarify when should the quarterly reports be submitted?</p> <p>F. Meanwhile, under GCC Clause 2.2, particularly on documents needed for payment, we would like to clarify if the winning bidder would shoulder the expenses for the meals, venue and materials?</p>	<p>A. No changes for this requirement.</p> <p>B. Refers to the conditions of Warranty Period and Services stated on Section V. Special Conditions of Contract under GCC Clause 1.</p> <p>C. No changes for this requirement.</p> <p>D. No changes for this requirement. This is vitally and critically important to the daily operations and delivery of services of Hospitals.</p> <p>E. Reports must be submitted on the 1st week of every quarter.</p> <p>F. Yes, the winning bidder shall shoulder all expenses regarding on the trainings including but not limited to training materials, venue, meals, training certificates, and other requirements for all the participants.</p>

PARTICULARS	QUERIES	RESPONSE
	<p>G. Still under GCC Clause 2.2, we would like to ask about the submission date for the build plan?</p> <p>H. Under GCC Clause 4, when should we submit the reports for the project's inception and completion?</p>	<p>G. During contract implementation.</p> <p>H. The project inception and completion reports must be submitted after the project deployment and for payment processing requirements.</p>
	<p>6. Under Section 6 (Schedule of Requirements), we would like to ask to extend the completion and turnover of the project from "within 180 calendar days" to "240 calendar days?"</p>	<p>6. No changes for this requirement.</p>
	<p>7. Under Technical Specifications, we would like to ask the following:</p> <p>A. Allow the conduct of site inspection of the existing facility of the DOH prior Deadline of Submission;</p> <p>B. When do we need to submit the verifiable supporting documents in compliance to the technical specifications requirements?</p>	<p>A. Site inspection will be conducted after the bidding process and only allowed to the winning bidder.</p> <p>B. Read Carefully the Instruction on the Statement of Compliance of Section VII. Technical Specifications: [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.</p>

PARTICULARS	QUERIES	RESPONSE
	<p>C. We would like to be clarified also on the submission date for the following documents:</p> <p>i. Various certifications stated;</p>	<p>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 Bidder’s 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 applicable laws and issuances.]</p> <p>Under Notation Nos. 2 and 3 of ITB Clause 20.1 state that:</p> <p>2) As the possible Single/Lowest Calculated Responsive Bidder (S/LCRB), please provide the COBAC – B, soft copy in “Word” and in PDF the Technical Specifications you submitted during the Submission and Opening of Bids for the above-cited procurement project.</p> <p>3) All submitted documents during the Submission and Opening of Bids (original and the two (2) copies) by the S/LCB must be true copies of the original certified as such by the Bidder’s duly authorized signatory.</p> <p>i. Refer to Section VIII. Checklist of Technical and Financial Documents</p>

PARTICULARS	QUERIES	RESPONSE
	<p>ii. Service Level Agreement, and also whether the DOH will provide a form for this;</p> <p>iii. Sworn Statement, and will the DOH provide a form for this.</p>	<p>ii. No, the PB shall draft and submit a proposed SLA based on the stated Service Level Agreement on the Bidding Documents.</p> <p>iii. Please refer https://doh.gov.ph/sites/default/files/basic-page/COBAC-Sample-Forms.pdf</p>
Bidding Documents	<p>8. Under the Checklist, we would like to point out that as per Section 23.1 of the Revised Implementing Rules and Regulations of Republic Act 9184, to wit:</p> <p>“23.1 For purposes of determining the eligibility of bidders using the criteria stated in Section 23.4 of this IRR, ONLY the following documents SHALL BE REQUIRED by the BAC, using the forms prescribed in the Bidding Documents:” (Emphasis, ours)</p>	<p>The COBAC-B strictly adheres with the template checklist (Section VIII. Checklist of Technical and Financial Documents) of the Philippine Bidding Documents (6th Edition) issued by the Government Procurement Policy Board (GPPB).</p> <p>With regard to requiring additional technical requirements, RA 9184 recognizes the discretion of the procuring entity on all the specific requirements, limitations and parameters of the procurement at hand, which must be contained in the bidding documents. Thus, Section 17.2 of the 2016 revised IRR provides that “[T]he specifications and other terms in the Bidding Documents shall reflect the necessary specifications required to meet the needs of the Procuring Entity in clear and unambiguous terms.” As such, additional specifications may be required by the procuring entity as long as it is necessary to meet its needs and must not restrict competition. Moreover, the technical specifications must be based on relevant characteristics, functionality and/or performance requirements, as stated in Section 18 of the 2016 revised IRR.</p>

D. Changes in Section III. Bid Data Sheet:

PARTICULAR	FROM	TO
ITB Clause 5.3 a. Similar contract	<i>Hyper Converged Infrastructure and/or Hypervisor</i>	Hyper Converged Infrastructure and Hypervisor

E. Changes in Section VII. Technical Specifications:

PARTICULAR	FROM	TO
C. Software Requirements:	2. System Architecture xxx c. The hyperconverged system must also be able to integrate with legacy/existing NAS. xxx	2. System Architecture xxx c. The hyper converged system must support integration with legacy or existing NAS. xxx
D. Software Defined Storage Features:	xxx 10. Support large storage resource pools, and resources within a pool are fully shared. A single storage pool must contain minimum of 96 to over 2048 disk. Data in each pool is automatically balanced and the same performance is delivered to all applications xxx 16. The system must be compatible with mainstream virtualization software include VMWare and KVM; and, xxx	xxx 10. Support large storage resource pools, and resources within a pool are fully shared. The storage pool must contain minimum of 24 disk per node. Data in each pool is automatically balanced and the same performance is shared delivered to all applications. xxx 16. The system must be compatible with mainstream virtualization software including VMWare and KVM; and, xxx
E. Hyper Converged	xxx	xxx

PARTICULAR	FROM	TO
Platform	11. License shall be an open or volume license that is perpetual and transferrable, with an active maintenance subscription for at least three (3) years including upgrades, updates, and technical support. 24 hours per day, 7 days a week for problem resolution and 4 hours response time through email, phone, or Web and on site.	11. License shall be an open or volume license that is perpetual or software-based subscription that is transferrable, with an active maintenance subscription for at least three (3) years including upgrades, updates, and technical support. 24 hours per day, 7 days a week for problem resolution and 4 hours response time through email, phone, or Web and on site.
F. Data Resiliency and Data Protection	xxx 3. Must have the ability to perform	xxx 3. Must have the ability to perform stretched clusters natively for zero data loss (RPO=0) environments.
I. Additional Requirements to be attached with this form arranged, numbered and tabbed as enumerated below:	xxx 7. Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the VMware and Server Operating System and other peripherals to make it fully operationalized.	xxx 7. Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the Hypervisor and Server Operating System and other peripherals to make it fully operationalized.

Attached are the revised Technical Specifications and Checklist of Technical and Financial Documents for the Prospective Bidders' reference and use.

All other provisions of the bidding documents which are not affected shall remain in force and in effect.

For guidance and information of all concerned.

SGD.
ABDULLAH B. DUMAMA JR., MD, MPA, CESO I
Undersecretary of Health
Chairperson, COBAC-B

Technical Specifications

Republic of the Philippines Department of Health TECHNICAL SPECIFICATIONS			
Item No. 1	Hyper Converged Infrastructure (HCI) for Selected DOH Hospitals	Qty / Unit	1 lot
Total ABC: PhP60,500,000.00			
Name of Manufacturer:		Country of Origin:	
Brand:		Model (if applicable):	
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
A. General Requirements: The supplier must: 1. Supply, deliver and commission the Installation and Configuration of Hyper Converged Infrastructure for DOH Hospitals. 2. Guarantee that there is congruence and compatibility with DOH procured Hyper Converged Infrastructure in make, kind, quality, and functionality. 3. Unpack, assemble/upgrade, mount and boot the equipment and install the necessary service packs, patches, fixes to the Operating System and Hypervisor. Compatibility issues of sub-systems with OS, respective drivers, firmware, any other cards to be installed if required, are to be resolved by the bidder. 4. Set up and mount the HCI equipment to Server Rack. 5. Supply, deliver, install and configure all the needed switches, transceivers, connectors and cables to ensure proper connection between the server farm switch to DOH Hospitals' existing network switches and computers/users. DOH Hospitals existing network is composed of flat network with several 10/100/1000 Switches. 6. Assess DOH Hospitals' existing standalone physical servers, online system application and database and migrate it to HCI solution 7. Ensure that there will be no impact or downtime to the operation of DOH Hospitals network, applications and systems during migration. Any needed outage for installation and configuration purposes must be performed and coordinated with DOH Hospitals ICT Administrator and performed during their preferred scheduled. 8. Provide, deliver and install announced improvements on the proposed HCI product and/or any of its components after date of submission of proposals and before date of implementation, such improved product(s) or its components without affecting the submitted bid price proposal or contract price. 9. Provide, deliver and install announced improvements made within six (6) months after installed product and its component had already been accepted and used by DOH Hospitals at no additional cost. 10. The offered HCI Equipment, including its parts/components			

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Item No. 1	Hyper Converged Infrastructure (HCI) for Selected DOH Hospitals	Qty / Unit	1 lot
Total ABC: PhP60,500,000.00			
Name of Manufacturer:		Country of Origin:	
Brand:		Model (if applicable):	
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>and support services, should be locally available throughout the warranty period.</p> <p>11. The proposed HCI must be in the Leader of Magic Quadrant.</p> <p>12. Ensure or add to the conceptual design, quantity of the component/s and specification/s given by the DOH-K MITS for DOH Hospitals to attain functionality, stability, integrity, connectivity/interoperability and security of the proposed HCI and to meet the project objectives and industry standards given proper justification and explanation of the necessity of the improvements recommended.</p>			
<p>B. Hardware Requirement</p> <p>The proposed next HCI must have the following:</p> <p>1. A chassis with the following technical specifications:</p> <ul style="list-style-type: none"> a) With redundant/dual power supply (Hot Pluggable) b) With redundant cooling fans c) Can be rack mountable d) Must supply and deliver all required cables, connectors and other peripherals needed to make the HCI operational <p>2. Four (4) Nodes/Servers/Blades, each Node/Server/Blade must have the following minimum specification;</p> <ul style="list-style-type: none"> a) Two (2) x Intel Xeon Silver 4100 or higher b) 192GB (12x16 GB RDIMM) of DDR4 memory and with 24 x DIMM slots or higher c) Twelve (12) x 1.2 TB 10K SAS HDD or higher d) 2 x 800GB SSD or Higher for Cache Tier e) Four (4) x 10Gb SFP+ ports with transceivers or more f) One (1) x RAID controller card or other solutions that will comply with this requirement for data storage g) Two (2) x SAS SSD 400GB or higher with RAID Controller Card or other solutions that will comply with this requirement for Hypervisor OS h) Must support existing VMWare virtualization technology of DOH i) Must include all required cables, connectors and other peripherals needed to make the HCI operational j) Must supply, deliver, install and configure all the needed or additional switches, transceivers, connectors and cables to ensure proper connection between the server farm switch to the DOH Hospitals existing network switches and computers/users 			

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TECHNICAL SPECIFICATIONS

Item No. 1	Hyper Converged Infrastructure (HCI) for Selected DOH Hospitals	Qty / Unit	1 lot
Total ABC: PhP60,500,000.00			
Name of Manufacturer:		Country of Origin:	
Brand:		Model (if applicable):	
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>C. Software Requirements:</p> <ol style="list-style-type: none"> 1. Window Server 2019 Standard (or latest) 16 core per node with 25 Cal. 2. System Architecture <ol style="list-style-type: none"> a) The storage nodes support installing virtualization software, and can provide both virtualization machine services and storage services; b) The storage system does not need external SAN storage and must use the distributed Server SAN architecture that integrates computing and storage resources on the same node. The system must allow data storage with two or three copies to meet reliability requirements in various service scenarios; c) The hyper converged system must support integration with legacy or existing NAS. d) The system must support scale out expansion. When more computing and storage resources are required, the customer only needs to add servers to implement synchronous computing and storage resource expansion. e) The system must support automatic hardware discovery and configuration. 			
<p>D. Software Defined Storage Features:</p> <ol style="list-style-type: none"> 1. Support volume level thin provisioning while delivering the same volume read/write performance as thick provisioning; 2. Proposed solution must be able to support either an All Flash or Hybrid setup. 3. Proposed solution must be able to support two (2) disk group. 4. Storage integration must be native to the hypervisor Proxy VM or a Storage Controller VM. 5. Support iSCSI or SCSI provisioning for physical systems 6. Support online, non-disruptive scale in/out to at least 6 4 nodes and above in a single HCI cluster; 7. A single storage pool that will hold all disks with in a cluster to optimize the distribution of resources and ensure performance and SLA. Storage Pool can be all flash or hybrid; 8. Support VM and/or Volume snapshot function without limiting the number of snapshots, and the volume read/write performance is not affected with the snapshots. 9. Support linear expansion of servers based on DOH Hospitals requirements. The expansion unit is one node; 			

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<p>10. Support large storage resource pools, and resources within a pool are fully shared. The storage pool must contain minimum of 24 disk per node. Data in each pool is automatically balanced and the same performance is shared delivered to all applications.</p> <p>11. The product must be built based on x86 hardware and achieve high scalability and availability through the decentralization architecture and data redundancy technology at the software layer;</p> <p>12. The distributed storage system must allow scale up & scale out expansion of storage resources by adding nodes. The capacity of a storage resource pool can be expanded to 100 TB or larger;</p> <p>13. Support hard disk fault detection and processing. Be able to identify potential hard disk sector faults in advance and pre-rebuild data to eliminate the potential risks; and</p> <p>14. The distributed write cache support SSDs or;</p> <p>15. PCIe NVMe Flash to improve write and read operation performance;</p> <p>16. The system must be compatible with mainstream virtualization software including VMWare and KVM; and,</p> <p>17. Must support data at rest encryption natively or Self Encrypting Disks (SED).</p>			
<p>E. Hyper Converged Platform (HCP)</p> <p>1. Prospective bidders must have at least ten (least ten (10) years of continuous existence and engagement in the business of providing ICT services in the Philippines.</p> <p>2. The proposed HCI must be globally known established brands and with two (2) installed base of proposed Hyperconverged Infrastructure in the Philippines for the last 10 (ten) years. Installation must be readily verified. (Vendor shall provide contact person for post-qualification verification.)</p> <p>3. The HCI must support x86 OSs, including Windows Server 2012, 2016, 2019 and latest version of Windows Server Operating System.</p> <p>4. Shall provide a virtualization management console that acts as a central management for the hypervisor hosts</p> <p>5. Shall be able to convert, create, and deploy virtual machines</p> <p>6. Support VM operations with the following requirements:</p> <ul style="list-style-type: none"> i. Power on/off/reset ii. Restart/shutdown iii. Non-disruptive migration to other nodes in cluster (Live 			

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<p style="text-align: center;">Migration, vMotion, etc.)</p> <p style="text-align: center;">iv. Remote console</p> <p>7. The HCP shall be able to live-migrate virtual machine workloads from one host to another</p> <p>8. The HCP must support VM live migration. VMs can be migrated manually or automatically among different hypervisor hosts within cluster without interrupting services</p> <p>9. The HCP must support storage migration. Shall be able to live-migrate virtual</p> <p>10. Shall be able to move a virtual machine from one host to another host in two ways when the hypervisor host fails</p> <p style="padding-left: 20px;">i. Moving by restarting the virtual machine to another host</p> <p style="padding-left: 20px;">ii. Moving without rebooting the virtual machine</p> <p>11. License shall be an open or volume license that is perpetual and transferrable, with an active maintenance subscription for at least three (3) years including upgrades, updates, and technical support. 24 hours per day, 7 days a week for problem resolution and 4 hours response time through email, phone, or Web and on site</p>			
<p>F. Data Resiliency and Data Protection</p> <p>1. Provide a distributed storage system Support 2/3 copies of data;</p> <p>2. Support 1 server / server nodes failure without service interruption and data lost for the current setup. Support redundancies of computing, network, storage, power supply and fan modules.</p> <p>3. Must have the ability to perform stretched clusters natively for zero data loss (RPO=0) environments.</p>			
<p>G. One (1) Server Rack</p> <p>1. High quality steel</p> <p>2. Height 42 U</p> <p>3. Width 23.62"</p> <p>4. Depth 47.24"</p> <p>5. Four post, depth adjustable rack system with 19" mounts and square holes</p> <p>6. Perforated front door</p> <p>7. Full, front locking door</p> <p>8. Perforated rear door</p> <p>9. Split, rear locking doors</p> <p>10. Solid, locking, removable side panels</p> <p>11. Rear, vertical cable management rings</p> <p>12. Include casters and leveling feet</p>			

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<ul style="list-style-type: none"> 13. Anti-tip brace 14. Key included 15. With 2x10 outlet metered power distribution unit. Power cable must be converted to a 30 Amp. Twist Lock plug including Twist Lock Socket to replace existing ordinary socket 16. With air distribution unit <ul style="list-style-type: none"> a) Air Flow 420 CFM b) Amp Draw Nominal 1A c) Dual Fans d) Fan Controls switches e) Air Filtration 17. Mounting Rails 18. With KVM and KVM Cables 			
H. Warranty Period and Services			
<ul style="list-style-type: none"> 1. Period: Three (3) years warranty on parts and services. Day 1 of warranties shall only start after the issuance of the Certificate of Completion and Acceptance. 2. Product upgrades: Hardware firmware without additional cost to DOH. 3. Provide an immediate Return Merchandize Authorization (RMA) or backup unit at any time the HCI is not working or under repair: 4. Preventive and Remedial Services: Preventive maintenance services done semi-annually via remote access to DOH Hospitals through the ICT Administrators; <ul style="list-style-type: none"> a) Provisions of usage statistics b) Health Checks on the HCI System and Server Environment – Monitor the hardware health and ensure that all back-end services including compute. Storage, memory, networking and virtualization. c) Capacity Management check on HCI System and Server Environment – Monitor capacity to ensure utilization stays within the requirement of DOH Hospitals d) Capacity to ensure utilization stays within the requirement of DOH Hospitals environment to ensure uptime. Take action on any alerts or errors. e) HCI System and Server environment - Monitoring of logs for any alarms and faults reported by the system. f) Capacity management check on virtual environment – Monitor the virtual environment to ensure capacity stays with the requirement of DOH Hospitals. g) Log analysis on Virtual environment – Monitoring of logs for any alarms and faults reported by the hypervisor. 			

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<p>5. Service Level Agreement:</p> <p>a) 95% uptime</p> <p>b) Response Time by various classes and severity of problems with 12 hours as maximum from notice by DOH Hospitals</p>			
Level	Definition	Response Time	
System down	Non-operational or failure in the DOH Hospitals' and CHDs' HCI equipment, hypervisor, host servers, virtual machines, and guest server OS	Immediate	
Critical	Business stoppage with significant user or client impact on staff productivity and delivery of DOH Hospitals public service	Within 3 hours	
Urgent	High impact causing immediate work stoppage and delivery of services to the public	Within 4 hours	
Important	No productivity impact	Within 6 hours	
Monitor	No further action required beyond monitoring	Within 8 hours	
Informational	Request for information	Within 12 hours	
<p>c) Seventy-two (72) hours hardware part replacement If Return Merchandise Authorization (RMA) or hardware replacement is not yet available, the (PB) must provide a physical server as a backup unit capable of hosting the affected VM servers so that operations can be resumed.</p> <p>6. Technical Support</p> <p>a) Must have experience and trained technical staff or engineers under its direct employment and supervision in rendering the required maintenance.</p> <p>b) Helpdesk supports 24/7 including holidays.</p> <p style="padding-left: 20px;">i. Single point of contact</p> <p style="padding-left: 20px;">ii. Support by phone, text, email or other online/electronic means</p> <p style="padding-left: 20px;">iii. Initial response is to address issue through step-by step instructions and guidance</p> <p style="padding-left: 20px;">iv. Any unresolved issues or problems must be</p>			

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<p>handled on- site. Once on-site, the service provider/supplier must repair the malfunctioning HCI equipment and other peripherals to make it operational and working condition without additional cost to DOH.</p> <p>v. Quarterly reports containing information on actual performance achieved, compared to service levels agreed on.</p> <p>c) Re-installation and re-configuration assistance in case of transfer of equipment without additional cost to DOH within the project duration and warranty contract.</p>			
<p>I. Additional Requirements to be attached with this form arranged, numbered and tabbed as enumerated below:</p> <ol style="list-style-type: none"> 1. Warranty Proposal <ol style="list-style-type: none"> a) Period: Three (3) years warranty on part and services. b) Product upgrades; Hardware firmware without additional cost to DOH Hospitals c) Provide an immediate RMA or backup unit at any time the HCI equipment is not working or under repair. 2. Company Profile that must show evidence that the firm: <ol style="list-style-type: none"> a) Is in ICT services for at least ten (10) years of continuous existence and engagement in the business of providing ICT services in the Philippines. b) Is an IT solution provider sector and must have experience in HCI Virtualization, Hypervisors Blade Servers and Enterprise Storage systems and equipment. 3. Certificate of end user/technical staff acceptance statement relative to their installed base of their Hyper Converged Infrastructure solution including an authority for TWG to visit the site if locally installed. 4. Original Brochure or downloaded from the internet and other manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, etc., as appropriate for a cross-referencing statement of compliance to the technical specification in accordance to what is indicated in 2nd page of Section VI I: Technical Specifications of this Bidding Documents. 5. The Bidder shall submit any of the following whichever is applicable: <ol style="list-style-type: none"> a) If the bidder is the manufacturer, certificate that the bidder manufactures the products/items; or b) If the bidder is an Exclusive/Authorized Distributor or Dealer of the products/items, Certificate or Contract from the manufacturer or importer must be provided as proof that the bidder is an Exclusive/Authorized Distributor or Dealer of the products/items; or c) If the bidder is an agent of the exclusive distributor or dealer the following must be provided: <ol style="list-style-type: none"> i. Certificate or Distributorship/Dealership Agreement by the Manufacturer with the distributor or dealer; and ii. Certificate or Contract/Dealership Agreement between the distributor/dealer and the bidder. 			

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6. Certification from Prospective Bidder or Supplier or Manufacturer:
 - a) Certification that the supplier shall issue a Warranty Certificate of three (3) years on HCI equipment, parts and services after delivery, inspection and acceptance as well as one basis for payment.
 - b) Certification from the manufacturer or local exclusive distributor that the warranty shall not be affected with a change of dealer;
 - c) Certification that the supplier has the capacity for corrective and preventive maintenance of the Backup Solution Storage; and that maintenance and technical support staff and engineers must be available locally under its direct employment and supervision and have the experience and training to all staff or engineers.
 - d) Certification of After Sales Service that components/parts for the proposed HCI equipment shall be available at the authorized Philippine Service Center/s for a period of at least three (3) years after the warranty period;
 - e) 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. Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the **Hypervisor** and Server Operating System and other peripherals to make it fully operationalized.

8. Certification of 95% target service uptime must be a part of the proposals.

9. Must have at least three (3) manufacturer-certified technical support engineers/technical staff, who are regular and locally based employees.
 - a) CV of engineers and with PRC license if applicable and certification of expertise on the following and/or others that are relevant to the project:
 - i. Hypervisor Certified Professional (VCP)
 - ii. Data Center Virtualization
 - iii. Network Virtualization
 - iv. Cloud Management and Automation
 - b) Certificate of Employment of the majority of the key professional staff must be permanent and fulltime employees of the firm(s).
 - c) Certificate of Training(s) that proposed staff must have the experience similar to the requirement of the project. No alternative to key professional staff may be proposed and only one curriculum vitae may be submitted for each position.

10. Certification that the supplier shall include Curriculum based Training from the Prospective Bidder's Technical Engineer for two DOH Hospital's ICT Administrators with Hands-On Training on the following but not limited to installing, configuring, administration, management, and troubleshooting of the proposed Hyper Converged Infrastructure which includes HCI Server, Network Switch, Server Management System, and other HCI components. The Supplier shall issue a training voucher for all the trainings in the event that DOH Hospitals ICT Administrators will not be available in the scheduled dates of trainings.

11. Draft Service Level Agreement

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12. Sworn Statement using the prescribed form.			

Signature over Printed Name
[date of signing]

In the capacity of: *[title or other appropriate designation]*
 Duly authorized to sign bid for and on behalf of: *[Name of Company]*
[Complete office address] *[Contact No]*
[Fax No.]
[Email Address]

Checklist of Technical and Financial Documents

Arranged numbered and tabbed as it appears below:

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the 2016 Revised IRR of RA No. 9184;

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid *equivalent to at least fifty percent (50%) of the ABC*, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
- or**
- Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Schedule of Requirements and Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after- sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Document

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;

or

duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)

- (i) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.

- (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

II. FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
 (b) Original of duly signed and accomplished Price Schedule(s).

III. ADDITIONAL DOCUMENTARY REQUIREMENTS TO BE ATTACHED IN THE TECHNICAL SPECIFICATIONS FORM:

- (a) Warranty Proposal:
 - 1. Period: Three (3) years warranty on part and services.
 - 2. Product upgrades; Hardware firmware without additional cost to DOH Hospitals.
 - 3. Provide an immediate RMA or backup unit at any time the HCI equipment is not working or under repair.
- (b) Company Profile that must show evidence that the firm
 - 1. Is in ICT services for at least ten (10) years of continuous existence and engagement in the business of providing ICT services in the Philippines;
 - 2. Is an IT solution provider sector and must have experience in HCI Virtualization, Hypervisors Blade Servers and Enterprise Storage systems and equipment.
- (c) Certificate of end user/technical staff acceptance statement relative to their installed base of their Hyper Converged Infrastructure solution including an authority for TWG to visit the site if locally installed.
- (d) Original or downloaded from the internet technical brochure/datasheet or other forms of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate as required in the 2nd page of Section VII: Technical Specification of this bid document.
- (e) The bidder shall submit any of the following whichever is applicable:
 - If the bidder is the manufacturer, certificate that the bidder manufactures the products/items; or
 - If the bidder is an Exclusive/Authorized Distributor or Dealer of the products/items, Certificate or Contract from the manufacturer or importer must be provided as proof that the bidder is an Exclusive/Authorized Distributor or Dealer of the products/items; or
 - If the bidder is an agent of the exclusive distributor or dealer the following must be provided:
 - Certificate or Distributorship/Dealership Agreement by the Manufacturer with the distributor or dealer; and
 - Certificate or Contract/ Dealership Agreement between the distributor/dealer and the bidder.
- (f) Certification from Prospective Bidder or Supplier or Manufacturer:
 - Certification that the supplier shall issue a Warranty Certificate of three (3) years on HCI equipment, parts and services upon delivery, inspection and acceptance as well as one basis for payment.
 - Certification from the manufacturer or local exclusive distributor that the warranty shall not be affected with a change of dealer.
 - Certification that the supplier has the capacity for corrective and preventive maintenance of the Backup Solution Storage; and that maintenance and

technical support staff and engineers must be available locally under its direct employment and supervision and have the experience and training to all staff or engineers.

- Certification of After Sales Service that components/parts for the proposed HCI equipment shall be available at the authorized Philippine Service Center/s for a period of at least three (3) years after the warranty period.
- 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.
- (g) Certification that the supplier shall include installation, configuration and commissioning of the delivered HCI including the **Hypervisor** and Server Operating System and other peripherals to make it fully operationalized.
- (h) Certification of 95% target service uptime must be a part of the proposals.
- (i) Must have at least three (3) manufacturer-certified technical support engineers/technical staff, who are regular and locally based employees.
 - CV of engineers and with PRC license if applicable and certification of expertise on the following and/or others that are relevant to the project:
 - i. Hypervisor Certified Professional (HCP)
 - ii. Data Center Virtualization
 - iii. Network Virtualization
 - iv. Cloud Management and Automation
 - Certificate of Employment of the majority of the key professional staff must be permanent and full-time employees of the firm(s).
 - Certificate of Training(s) that proposed staff must have the experience similar to the requirement of the project. No alternative to key professional staff may be proposed and only one curriculum vitae may be submitted for each position.
- (j) Certification that the supplier shall include Curriculum based Training from the Prospective Bidder's Technical Engineer for two DOH Hospital's ICT Administrators with Hands-On Training on the following but not limited to installing, configuring, administration, management, and troubleshooting of the proposed Hyper Converged Infrastructure which includes HCI Server, Network Switch, Server Management System, and other HCI components. The Supplier shall issue a training voucher for all the trainings in the event that DOH Hospitals ICT Administrators will not be available in the scheduled dates of trainings
- (k) Draft Service Level Agreement; and,
- (l) Sworn Statement using the prescribed form.

Note:

- 1) Please refer <https://doh.gov.ph/sites/default/files/basic-page/COBAC-Sample-Forms.pdf> for the following requirements:
 - a) Sworn Statement;
 - b) Computation of NFCC;
 - c) Manufacturer's Authorization;
 - d) Secretary's Certificate;
 - e) Special Power of Attorney;
 - f) Statement of Ongoing Contracts; and
 - g) Statement of SLCC.

- 2) For the following requirements, please refer to **GPPB Resolution No. 16-2020**:
 - a) Bid Form;
 - b) Price Schedule;
 - c) Bid Securing Declaration; and
 - d) Omnibus Sworn Statement