

## **BIDS AND AWARDS COMMITTEE**

Bid Bulletin No. 1

15 November 2021

### **PROCUREMENT OF SUPPLY AND DELIVERY OF VARIOUS INFORMATION COMMUNICATION TECHNOLOGY (ICT) EQUIPMENT, INTERNET SERVICE, FIREWALL AND NETWORK SECURITY SUPPORT AND SUBSCRIPTION**

This Bid Bulletin No. 1 modifies respective portions of the Bidding Documents, issued on 02 November 2021.

The changes to the Bidding Documents, as indicated in the succeeding pages, are being issued in compliance with Section 22.5 of the Revised 2016 Implementing Rules and Regulations of RA 9184. Under this section, the procuring entity is directed to issue an amendment at least seven (7) days before the deadline for submission of the bid.

Except as expressly amended by this Bid Bulletin, all other terms and conditions of the Bidding Documents issued on 02 November 2021 shall remain unchanged and shall remain in full force and effect in accordance with their terms.

For guidance and information of all concerned.

**(SGD.)**

**MINERVA ELOISA P. ESQUIVIAS**

OIC Deputy National Statistician

BAC Chairperson

**PROCUREMENT OF SUPPLY AND DELIVERY OF VARIOUS INFORMATION  
COMMUNICATION TECHNOLOGY (ICT) EQUIPMENT, INTERNET SERVICE, FIREWALL  
AND NETWORK SECURITY SUPPORT AND SUBSCRIPTION**

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<b>BB/ITEM NO.</b>	<b>REFERENCES</b>	<b>AMENDMENTS/RESPONSES</b>
<b>Lot 1 - 24 port managed switch</b>		
BB1 - 1	Please clarify the contradicting information between  "Switching capacity: 52 Gbps" and "Switch Capacity: 88 Gbps"	The requirement on "Switching capacity: 52 Gbps" is hereby removed. While the requirement for "Switch Capacity: 88 Gbps" is retained
BB1-2	On "Maximum Power Consumption: 30W",  The 30W requirement is not possible for switches with PoE ports. The power consumption of a switch depends on the number of PoE ports multiplied by the usual voltage of a switch. Thus, it should be around 25-40W.  Also, looking at the power consumption requirement for Lot 2 (i.e., 150W for a 16-port switch), then logically, this lot (Lot 1) should have at least 250W for a 24-port switch.	Specification in this ICT item are modified as follows:  Maximum Power consumption: 50 W excluding POE Maximum Power consumption: 250 W for 24-port switch
BB1-3	On the Schedule of Requirements for Lots 1 to 4,  Requesting to extend the delivery schedule from 45 calendar days to 90-150 calendar days?	Delivery is amended to 90 Calendar Days from receipt of Notice to Proceed.
<b>Lots 5 to 7 - 500 Mbps Additional Internet Service Subscription with Fourteen (14) Available IPs for PSA Office in Centris 3 Building, CVEA, and TAM Bldg.</b>		
BB1-4	Can the SLA requirement (i.e., 99.95%) be relaxed to 99.8% or lower?	In consideration of the prevailing market requirements, the Service Level Agreement requirement be read as follows:  "... SLA requirement must be 99.5% or higher"

BB1-5	Considering that the internet line requires the provision of a router, can the schedule of delivery be extended up to 90cds?	Delivery is amended to 90 Calendar Days from receipt of Notice to Proceed.
<b>Lot 9 - Network Monitoring System</b>		
BB1-6	On the schedule of requirement for Lot 9,  Can we request for an extension on the delivery to at least 60 to 90 cd?	Delivery is amended to 90 Calendar Days from receipt of Notice to Proceed.
<b>Lot 10 - Server for Production, Testing and Disaster Recovery (DR)</b>		
BB1-7	Since the Project requires installation, <i>do you require Project Management and a certified personnel to lead the project?</i>	Yes, bidder must submit Project Management Program and must also have a certified project manager or engineer that will be the lead person for the project implementation. Bidder must submit valid project management engineer certification, CV, and company ID.
BB1-8	We noticed that for other lots you require a manufacturer certificate stating the bidder is an authorized partner, do you require the manufacturer certification for HCI hardware and Virtualization VMware Software on lot 10? If yes, can we submit a scanned copy of the manufacturer certificate?	Yes, bidder must submit a scanned copy of the Manufacturer Certificate for HCI Hardware and VMware Software stating their partnership with their represented manufacturer.
BB1-9	Do you also require Certified Engineer for the HCI Hardware and VMWARE on lot 10?	One (1) certified engineer for proposed HCI hardware and One (1) certified engineer for VMWare software. Bidders must submit valid engineers' certification, CV, and company ID.
BB1-10	For Lot 1 to 4 and Lot 8 to10: Similar contracts are the Supply and Delivery of Network Communication Appliance and Servers (e.g. Firewalls, and other Network communication devices)  For lot 10, can you consider combination of server storage and hypervisor projects?	Yes, Single Largest Completed Contract with combination of server, storage virtualization is acceptable.

<p>BB1-11</p>	<p>Under page 28, Section VI. Schedule of Requirement Lot 10 Server for Production, Testing and Disaster Recovery (DR). Delivery of Goods is required within Forty-Five (45) calendar days upon receipt of Notice to Proceed.</p> <p>Due to unforeseen material shortages caused by the current COVID-19 pandemic's impact on semiconductor suppliers, manufacturing, and shipping operations, our principal/manufacture is currently facing production challenges. May we ask PSA to extend the delivery period from 45 to 120 calendar days and consider thirty (30) days for the Installation for a Total of 150 calendar days? The global semiconductor shortage is affecting most of the world's biggest IT equipment providers.</p>	<p>Amenable for 90 calendar days upon receipt of Notice to Proceed</p>
<p>BB1-12</p>	<p>For 1 pc Customer Purchasing Program Virtualization Management Software Standard for virtualization (Per Instance). Is this the VMware vCenter management software? If yes, is this per site?</p>	<p>Yes, please provide one (1) VMware vCenter per site or if there is an appropriate VMware technology that would allow us to view both sites in a single management software, better.</p>

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*Questions and Answers (as of 15 November 2021)*

BB/item No.	REFERENCES	AMENDMENTS/RESPONSES
<b>Lot 1 - 24 port managed switch</b>		
Q&A - 1	On the requirement for one (1) Serial Console Port, can we omit this specification in the Technical Specifications? This is because recent models of a 24-port switch no longer have this feature.	Required: RJ serial console port Optional: Serial console port
Q&A - 2	On "Maximum Power Consumption: 30W",	Refer to BB1-1
Q&A - 3	On "Supports PoE+ IEEE 802.3at/af and 24V Passive PoE",  Please clarify this requirement because it is contradicting. "IEEE 802.3at/af" is considered as an active PoE, while "24V Passive PoE" is (by the name itself) passive PoE. Switches cannot have both passive and active PoEs.	Must provide Active PoE and Passive PoE
<b>Lot 2 - 16 port managed switch</b>		
Q&A - 4	On the requirement for one (1) Serial Console Port, can we omit this specification in the Technical Specifications? This is because recent models of a 24-port switch no longer have this feature.	Refer to Q&A - 1
<b>Lot 3 - 16 port managed switch (10 GB) fiber port</b>		
Q&A - 5	On "(12) 1G/10G SFP+ Ports" requirement,	SFP+ module is optional

	Are bidders required to ship the SFP+ modules together with the switches?	
Q&A - 6	On “DC Input Option (redundant or Stand- Alone)” requirement,  Do bidders have to provide a module or is the “option” requirement/feature just needs to be present?	DC input option is a requirement
<b>Lot 4 - Wi-Fi Router</b>		
Q&A - 7	The requirement under this lot is too detailed – that is, requirement on the dimension and weight. Is PSA looking into a specific brand or model of a wifi- router?	We preferred compatibility with existing ICT items. Thus, the requirement for dimensions and weight are retained.
<b>Lots 5 to 7 - 500 Mbps Additional Internet Service Subscription with Fourteen (14) Available IPs for PSA Office in Centris 3 Building, CVEA, and TAM Bldg.</b>		
Q&A - 8	FOR ALL LOTS  On the submission of bids, will bidders need to submit a separate bidding envelope for each lot they will be participating in, or will a submission of one (1) bidding document consolidating the lots suffice?	Bidders may submit one (1) bidding document for all the lots they will be participating in, provided, however, that: <ul style="list-style-type: none"> <li>- The lots they will be participating in is listed in the technical documents such as the SLCC, Bid Securing Declaration, Schedule of Requirements, Technical Specifications, etc,</li> <li>- The contract amount indicated in the SLCC shall cover all the lots – that is, the SLCC should amount to at least 50% of the ABC for each lot.</li> <li>- The SLCC should reflect the similar projects indicated in Bid Data Sheet Clause 5.3</li> </ul>
Q&A - 9	Should there be delays on the side of ETON (for Centris 3), will this still cover the 30cd delivery period?	The bidder should provide evidences that delays are not within their control.
Q&A - 10	The requirements for Lots	The bidder should provide the best possible ICT items

	5 to 7 would require a router. However, there is no specification for a router written in the PBD.	needed to comply with the required bandwidth.
<b>Lot 8 - Renewal of Support and Subscription of FORTINET 1000D</b>		
Q&A - 11	On "Unlimited Corrective Maintenance/Repair Activity (When Applicable)"  Is this activity valid for one (1) year only?	Unlimited corrective maintenance/repair activity must be provided within the specified duration of support and services.
<b>Lot 9 - Network Monitoring System</b>		
Q&A - 12	On "The solution should be virtual appliance and deployable on Linux operating systems to reduce the overall TCO",  Can this be relaxed in order for Window-based OS be included?	Specifications is provided.
Q&A - 13	Can bidder/s offer a separate monitoring console? One for infra and the other for security events?	Yes
Q&A - 14	On "The solution should be virtual appliance and deployable on Linux operating systems to reduce the overall TCO"  Will the bidders be required to provide servers for NSM to be used?	No. PSA has existing servers which will be used for this requirement. The only requirement that the bidder/s need to provide are the solutions and the server requirements.
Q&A - 15	On "the solution should provide High Availability (HA) at data center site" requirement,  Will the requirement on HA be needed immediately?	The solution should provide High Availability feature.
Q&A - 16	On the SLCC requirement,  Does the SLCC needs to be a government contract or will a corporate/ private contract be allowed?	Bidder/s can provide an SLCC from either a government or a private entities, provided, however, that such SLCC meets the following condition: <ul style="list-style-type: none"> <li>- The contract amount indicated in the SLCC shall cover all the lots – that is, the SLCC should amount to at least 50% of the ABC for each lot.</li> <li>- The SLCC should reflect the similar projects indicated in Bid</li> </ul>

		Data Sheet Clause 5.3
Q&A – 17	Is it okay for bidder/s to enter into a JVA for this project?	Yes.
Q&A - 18	On “the system shall have the capability to drag and drop building of custom search queries and reports”,  Can the requirement on the “drag and drop” (specifically) be relaxed as it is very specific and points out to a particular brand?	PSA needs the feature for easier management.
Q&A - 19	What is the PSA’s requirement for data retention?  One of the requirements for this lot is that bidders should be able to provide a solution that has “the ability to store/ retain both normalized and the original raw format of the event log...” However, there is no listed requirement for data retention.	Specifications are retained
<b>Lot 10 - Server for Production, Testing and Disaster Recovery (1 Set)</b>		
Q&A - 20	What is the distribution of nodes for production, testing and DR?	The distribution are as follows: DR and Central Office; Production – 5 nodes Testing – 4 nodes DR – 5 nodes
Q&A – 21	Bidder/s requested for a copy of the workload that is installed (or will be installed) in the HCI?	Workload for servers will be used for applications of PSA. Such as development and testing applications, and databases of PSA.
Q&A - 22	On the “Memory” requirement for this lot,  Usually for HCI, memory has the same storage capacity. Can the PSA consider having the same memory instead of one having 16GB, while the other has 32GB?  Also, on the 3,200 Ghz requirement for the 32GB RDIMM, can this be relaxed to 2933Ghz?	Specifications are retained
Q&A - 23	On Boot Drive “800GB SSD SAS Write Intensive 12Gbps 2.5inches”  Can this be relaxed to “read intensive” instead of “write intensive”	800GB indicated is the flash caching device. Proposal should have at least two (2) units of 800GB SSD SAS Write Intensive 12Gbps



	Also, can the 800GB be relaxed to at least 480GB?	
Q&A – 24	On “Dual Port 16Gb Fiber Channel HBA, PCIe Full Height” requirement,  Normally for HCI, dual port is no longer used. In its place, HCI uses internal disks for ethernet.	Specifications are retained
Q&A - 25	Bidder/s requested for a network layout wherein the servers will be connected to.	In consideration of PSA security, we will provide the information needed during implementation.
Q&A - 26	On “Pluggable Cable Kit” requirement, Bidder/s requested to omit said specification as it pertains to a particular brand. Also, this requirement is usually included in the “Raid Controller”. Thus, making it redundant	This refers to connectivity between HCI node to top-of-rack switches.
Q&A - 27	On “Boot Drive”, Is it cache-like drive or a storage drive?	800GB indicated is the flash caching device. Proposal should have at least 2 units of 800GB SSD SAS Write Intensive 12Gbps. For boot drive, proposal should have at least 2 units 240GB M.2 SSD separate from the capacity drives. For the capacity drives, proposal should have at least ten (10) units of 3.84TB SSD SATA Read Intensive 6Gbps.
Q&A - 28	On “Switches”, do bidder/s required to supply the transceivers and cables for this?	Yes, transceivers and cables are required from vendors.
Q&A - 29	On “Transceiver”, Please clarify the statement: “10GBASE-SR SFP Module for existing switches”	This is for the connection of our procured hardware to PSA existing network infra 10GBASE-RS is needed.
Q&A - 30	On the scope of work regarding deployment, kindly give a brief description on the implementation or installation of HCI. Will there be data migration or is this a fresh deployment?	This is a fresh deployment
Q&A - 31	On the distribution of servers, is the four (4) servers for testing located in the Central Office or in the DR?	Refer to Q&A - 20
Q&A - 32	On “Virtualization”, Since there are two (2) sites (i.e., Central Office and DR), will we need to for review and	There should have one virtualization management per

	verification of TWG multiply the items by two (2) as well?	site. One (1) in Central Office and one (1) in DR.
Q&A - 33	On "site recovery manager", Is there replication?	Yes
Q&A - 34	On "Production", Are we to assume that there are two (2) clusters – one for Production and another for Development?	Refer to Q&A - 20
Q&A - 35	On "Delivery, Installation, Configuration on Client Office, and Disaster Recovery Site" requirement,  May we know if the DR is outside Metro Manila? We are asking because we will need to include said delivery in our costings.	The Disaster Recovery site is in Clark, Pampanga.
Q&A - 36	On "Unlimited Corrective Maintenance/Repair Activity (When Applicable)" Please clarify this requirement.	Unlimited corrective maintenance/repair activity must be provided within the specified duration of support and services
Q&A - 37	Dual Port 16GB Fiber Channel HBA - Can we propose for the equivalent?	Yes, if it is equivalent to Dual Port 16GB Fiber Channel HBA
Q&A - 38	Can you please accept memory frequency of 2933?	Refer to Q&A - 22
Q&A - 39	Please confirm exact deployment site/location and Implementation Timeline?	Central Office: PSA Complex, East Avenue, Quezon City CVEA Building: CVEA Building, PSA Complex, East Avenue, Quezon City  TAM Building: TAM Building, PSA Complex, East Avenue, Quezon City  Centris 1: 11th Floor, Eton Cyberpod 1, EDSA, Quezon City  Centris 3: 17th Floor, Eton Cyberpod 1, EDSA, Quezon City  Disaster Recovery Site: ePLDT, Clark, Pampanga
Q&A - 40	Please confirm quantity per components (i.e., Memory 16GB 4 units; how many units per node)	6x 16GB RDIMM, 3200MT/s, Dual rank

		6x 32GB RDIMM, 3200 Ghz Dual rank 8GB base Per nodes
Q&A - 41	Please confirm the total capacity of drives (Boot Drive & Storage Drive)	2x 800GB SSD SAS Write Intensive 12Gbps 2.5 Inches  10x 3.84TB SSD SATA Read Intensive 6GBps 2.5 inches Per nodes
Q&A - 42	Please confirm if a native Hypervisor is acceptable?  * Type 1 Hypervisor (also called bare metal or native)	Specifications are retained
Q&A - 43	Requirement is CPU 6242R: Can you please accept an equivalent?	Specifications provided are minimum
Q&A - 44	Please specify response time for the SLA.	Provide maintenance support consisting of Corrective/ Remedial Maintenance services on all hardware and software components  Within 1 hour upon receipt of notice either by phone or email. Provider should address problem via call to the concerned unit. If problem, persists, provider should address the problem onsite. Provider should be onsite within 3hrs after the problem not resolved over the phone. If defective and diagnosed beyond repair, provider should replace the defective part. Immediate replacement of defective unit within 72 hrs. Helpdesk open 24 x 7 including Saturdays, Sundays and Holidays.
Q&A - 45	Please confirm the exact number of personnel for Knowledge Transfer. Is Virtual session acceptable?	No, virtual session is not acceptable
Q&A - 46	When does the warranty start?	Warranty starts once the equipment. are delivered and configured on Central and DR sites
Q&A - 47	Please confirm that there are no other project dependencies outside this lot during the stage of	Dependencies are obligation of PSA.

	implementation (site readiness, manpower, other on-going or pending hardware/software delivery).	
Q&A - 48	<p>What is the quantity of resources of each node of the HCI?</p> <p>CPU:</p> <p>Memory:</p> <p>Storage (Cache, Storage, BootDrive):</p> <p>Network Cards:</p>	<p><b>CPU:</b> Intel Xeon Gold 6242R 3.1GHz</p> <p><b>Memory:</b> 288GB</p> <p><b>Storage (Cache, Storage, Boot Drive):</b> 2x 800GB SSD SAS Write Intensive 12Gbps 512e 2.5in, 10x 3.84TB SSD SATA Read Intensive 6Gbps 512 2.5in, 2x M.2 Sticks 240GB (RAID 1)</p> <p><b>Network Cards:</b> 1x Intel X710 Quad Port 10GbE SFP+, 1x Dual Port 16Gb Fiber Channel HBA</p>
Q&A - 49	Does this mean the appliance is pre-loaded with hypervisor and software defined storage?	The proposed solution should be a hyperconverged appliance that comes pre-installed with hypervisor software with in-built software defined storage capability integrated within the kernel.
Q&A - 50	For HCI System Software and Virtual software, kindly define the system software requirement?	HCI System Software should have all hardware and software lifecycle management to ensure the infrastructure is in a continuously validated state. Deduplication and compression storage technologies should be available.
Q&A - 51	<b>For II switches</b> , do we need to include SFP+ transceivers and cables?	Yes, please provide all the necessary peripherals needed to build the HCI.
Q&A - 52	<b>Under the Transceivers</b> , 10GBASE-SR SFP Module for existing switches.	Yes, currently PSA have Nexus N9k- C93180YC 10GBe 48 ports as top of the

	<p>Is this for the upstream switches of the HCI top-of-rack switches? Please provide the model, software version, slots available, etc.</p> <p>Are we going to install this transceiver to the existing switches?</p>	<p>rack switch.</p> <p>Yes</p>
Q&A - 53	<p>Under IV RACKS and PDU</p> <p>What is the distribution on HO and DR?</p>	<p>1 Rack and 2 PDU for HO, 1 Rack and 2 PDU for DR Site</p>
Q&A - 54	<p>Is there an appropriate power source for tapping/connection of the PDUs in the data centers of each site?</p>	<p>Yes</p>
Q&A - 55	<p>Under V Virtualization, for 14 pcs Customer Purchasing Program Virtualization Management Software Standard for 1 Processor.</p> <p>Are you referring to VMware vSphere hypervisor software?</p>	<p>Yes</p>
Q&A - 56	<p>For 14 pcs Production Support/Subscription for Virtualization Management Software Standard for 1 processor for 3 years // Technical Support, 24 Hour Sev' 1 Support -- 7 days a week.</p>	<p>Yes</p>
Q&A - 57	<p>Also stated on the Technical Specifications that PSA requires Preventive Maintenance Activity.</p> <p>What is the frequency visit of this activity and the scope?</p>	<p>Quarterly Preventive Maintenance or Quarterly Remote Health Check. Bidder must also have 24 x 7 Helpdesk support system facility where PSA can send email or call for technical onsite or remote service request.</p>
Q&A - 58	<p>Page 18, under Post qual documents Item 20</p> <p>Latest income tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS)</p>	<p>Payment through e-BIR forms is acceptable.</p>

	<p>Our organization took advantage of the CREATE ACT law's TAX reform and incentive program for 2020. With this, we would like to appeal to PSA to consider Income Tax Return filed offline using eBIR form. The current CREATE ACT tax rate is not currently included in the eFPS tax rate options. Thus, filing eFPS is not applicable. Attached is the Revenue Memorandum Circular No. 50-2021 for your review.</p>	
<p>Q&amp;A - 59</p>	<p>NFCC Computation under prescribed bid form.</p> <p>May we know the value of K for Lot 10 which has a 5 year warranty? Is it K= 20?</p>	<p>The value of K is 15. This is pursuant to Section 23.4.1.4 of the 2016 Revised IRR of RA 9184.</p>