



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
Philippine Atmospheric, Geophysical and Astronomical Services
Administration (PAGASA)

28 April 2022

SUPPLEMENTAL / BID BULLETIN

ADDENDUM NO. 2022-012-01

Subject: Supply, Delivery, Installation, Testing and Commissioning of Improved Collaboration Information System

This Bid Bulletin is being issued to all prospective bidders to clarify, amend and/or modify certain provisions in the Bidding Documents and to answer the written clarificatory questions submitted by prospective bidders, to wit:

Query from **UBALDO REIDENBACH SOLUTIONS, INC.:**

Question(s)	PAGASA BAC Answer(s)
<p>D. Technical Specifications and Requirements (Category 1) SOFTWARE AND SUBSCRIPTIONS</p> <ul style="list-style-type: none"> Item 3. ZCS Subscription and Support <i>ZCS Software Subscription and Support (SNS). Standard edition, 2-Year Software Subscription and Support (SNS) for renewal of existing mailbox.</i> <p>From: To consolidate same renewal date for the existing 325 SnS Zimbra accounts, 2-year should be replaced with 3-years (For all licenses & subscriptions to be co-terminus)</p>	<p>To: Append to TOR 1.3: "Or to consolidate same renewal date for the existing 325 SnS Zimbra accounts, 2-year should be replaced with 3-years This will provide all 1000 (existing & new) licenses & subscriptions to be co-terminus for renewal."</p>
<p>(Category 1) SOFTWARE AND SUBSCRIPTIONS</p> <ul style="list-style-type: none"> Item 4. Red Hat Subscription <p>RedHat Enterprise Linux RHEL8 OS Software. Standard Edition, 3-year Subscription (License for every 1-2 socket physical machine or 2 Virtual Nodes). Local providers must be a Red Hat Advanced Partner and have at least 1 Red Hat Certified Systems Administrator. Local support must provide 8x5 technical support coverage.</p> <p>a) RHEL are needed for (1) Zimbra Prod; (2) Zimbra DR; (3) Rocket Chat/Zdocs; (4) Secondary DNS</p> <p>b) We recommend to have 4 RHEL subscriptions for 4 physical server or 2 RHEL subscriptions for 4 virtual machines. Are all servers mentioned in vm format?</p>	<p>N/A</p> <p>YES</p>

"tracking the sky...helping the country"

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<p>(Category 1) SOFTWARE AND SUBSCRIPTIONS</p> <ul style="list-style-type: none"> Item 5. SSL Certificate <p>including S/MIME (domain digital signing. The SSL certificate must have 5-year validation.</p> <p>a) What is S/MIME domain digital signing)?</p>	<p>20 S/MIME</p>
<p>(Category 2) HARDWARE MINIMUM SPECIFICATIONS</p> <ul style="list-style-type: none"> Item a. TWO (2) SETS of Hyperconverged Appliance <p>1) We assume the requirement is consist of (2) Nodes</p> <p>2) Two-node clusters for smaller deployments must have a witness host to serve as a tiebreaker should the two nodes become disconnected.</p> <p>3) Standard vSAN hyper-converged clusters are located on a single physical site and must have a minimum of three nodes and at most 64.</p> <p>4) We recommend to have (1) witness node with vm specs: 2vcpu, 8GB RAM, 60GB outside HCI (availability of vSAN cluster)</p>	<p>N/A</p> <p>Witness host is a VM hosted at our existing HCI or existing physical server</p>
<p>a) 2 x M.2 5300 480GB SATA 6Gbps Non-Hot Swap SSD</p> <p>b) 2 x 480GB M.2 5300 SATA 6Gbps Non-Hot Swap SSD</p> <p>This disk component appears twice, is this a typo error?</p>	<p>YES</p>
<p>(Category 2) HARDWARE MINIMUM SPECIFICATIONS</p> <ul style="list-style-type: none"> Item b. ONE (1) SET of Enterprise NAS Server Appliance <p>With at least 2 x 10GbE ports RJ-45, and at least 4 x 1GbE ports RJ-45, all ports support Link Aggregation & Failover.</p> <p>Would the NAS be connected to the ONE (1) SET of SFP+ 10G Switch or to the TWO (2) SETS of 1GbE Management Switch?</p>	<p>To be connected to the SFP+ 10G SWITCH</p>
<p>(Category 2) HARDWARE MINIMUM SPECIFICATIONS</p> <ul style="list-style-type: none"> Item c. ONE (1) SET of SFP+ 10G Switch <p>Are (16) SFP+ ports the total SFP+ ports for (1) Server or (2) Server?</p>	<p>Minimum number of SFP+ ports of the SWITCH</p>

<p>(Category 2) HARDWARE MINIMUM SPECIFICATIONS</p> <ul style="list-style-type: none"> Item d. TWO (2) SETS of 1GbE Management Switch <p>What would be the role of these management switch in HCI and NAS components?</p>	<p>As additional and backup access switch for OUR new & existing networked systems</p>										
<p>(Category 2) HARDWARE MINIMUM SPECIFICATIONS</p> <ul style="list-style-type: none"> Item f. TEN (10) SETS of 2-in-1 Mobile Computer System <p>a) Kindly ask the EU if the 2-in-1 form factor is more important or the 4GB Dedicated Graphics.</p> <p>b) If form factor is more important, please ask the EU to remove the 4GB Dedicated Graphics (yoga models are limited to Integrated Graphics only) and revise the display size to 13.3" (maximum screen size for 2-in-1 models today – the 14" 2-in-1 is EOL already).</p> <p>c) If 4GB Graphics is more important, please ask the EU to revise the display to 15.6" instead.</p> <p>d) Please ask the EU to revise their requirement based on the latest Intel processor (12th Gen). Specs below for your reference.</p> <table border="1" data-bbox="279 1196 749 1294"> <tr> <td>Core i7-1270P</td> <td>12 (4 P-core + 8 E-core)</td> <td>1E</td> <td>P-core 2.2GHz / E-core 1.6GHz</td> <td>P-core 4.8GHz / E-core 3.5GHz</td> </tr> <tr> <td>Core i7-1260P</td> <td>14 (6 P-core + 8 E-core)</td> <td>20</td> <td>P-core 1.8GHz / E-core 1.3GHz</td> <td>P-core 4.8GHz / E-core 3.6GHz</td> </tr> </table> <p>e) 4GB Dedicated Graphics is only available on clamshell (not 2-in-1) models. Also, this is only available on laptops with a 15.6" display or larger.</p> <p>f) Kindly ask the EU if the 2-in-1 form factor is more important or the 4GB Dedicated Graphics.</p>	Core i7-1270P	12 (4 P-core + 8 E-core)	1E	P-core 2.2GHz / E-core 1.6GHz	P-core 4.8GHz / E-core 3.5GHz	Core i7-1260P	14 (6 P-core + 8 E-core)	20	P-core 1.8GHz / E-core 1.3GHz	P-core 4.8GHz / E-core 3.6GHz	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>Stick with TOR</p> <p>Omit the "Graphics of NVIDIA laptop GPU with 4GB GDDR6 GPU memory</p>
Core i7-1270P	12 (4 P-core + 8 E-core)	1E	P-core 2.2GHz / E-core 1.6GHz	P-core 4.8GHz / E-core 3.5GHz							
Core i7-1260P	14 (6 P-core + 8 E-core)	20	P-core 1.8GHz / E-core 1.3GHz	P-core 4.8GHz / E-core 3.6GHz							
<p>TOR Item C. DELIVERY PERIOD AND PLACE OF DELIVERY</p> <ul style="list-style-type: none"> All hardware <p>Delivery timeline: 90 calendar days after NTP</p> <ol style="list-style-type: none"> Please ask for an extension due to the current shortages on PC components and challenges on logistics/shipping caused by the ongoing lockdown in China. 	<p>Stick with TOR</p>										

2. We need at least 180 calendar days after the issuance of the NTP.	
TOR Item E. SCOPE OF WORKS a) It will require (1) vm and Red Hat subscription b) What are the collaboration tools and services, and how many workstations are needed to setup and configure?	N/A
TOR Item F. DATA AND ELECTRICAL SYSTEM a) Would the winning bidder allowed to manage the client's rack, servers and appliances that might affect other existing servers, power and network peripherals? b) We need information on the current load and capacity of hardware peripherals and power distribution c) What are examples of electrical accessories or network peripherals? d) Is this UAT?	Refer to TOR Item F The current load of the UPS is 11% only and it has a capacity of 50KVA load N/A YES
TOR Item F. DATA AND ELECTRICAL SYSTEM a) The combined load of: TWO (2) SETS of Hyperconverged Appliance; ONE (1) SET of Enterprise NAS Server Appliance; ONE (1) SET of SFP+ 10G Switch & TWO (2) SETS of 1GbE Management Switch is 100 KVA, would this additional load able to be accommodate by your existing power distribution of the existing scalable UPS?	YES
<ul style="list-style-type: none"> • SLCC 1) Are combined solutions allowed to meet this SLCC?	YES, combine solutions may be allowed in this particular contract provided that both solutions are similar in nature to the contract to be bid and complies with provision in Section 23.4.1.3 in the 2016 Revised IRR

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.



BONIFACIO G. PAJUELAS, Ph.D.
Chairperson, PAGASA-BAC