REPUBLIC OF THE PHILIPPINES
PUBLIC-PRIVATE PARTNERSHIP CENTER

SUPPLEMENTAL BID BULLETIN NO. 1

SUPPLY, DELIVERY, INSTALLATION, INTEGRATION, TESTING, AND COMMISSIONING OF IT BACKUP SOLUTION

This Supplemental Bid Bulletin for the Supply, Delivery, Installation, Integration, Testing, and Commissioning of IT Backup Solution is issued to clarify, amend and/or modify certain provisions in the Bid Documents as a result of the Pre-Bid Conference held on September 25, 2017 at PPP Board Room, 8th Floor, One Cyberpod Centris, EDSA cor. Quezon Avenue, Quezon City:

Specific Page/Section	Queries/Issues	Response of PPP Center
Section VII. Technical Specifications Page 70	**Item 1. Backup Software** What is the existing backup application?	The Center is using a free backup software.
Page 71	Item 1.5 What are the existing hypervisor application?	The current hypervisors are mentioned already in 1.6.2 of Section VII-Technical Specifications. The hypervisors are VMware ESXi 5.5 and 6.0 only.
	What are the existing Server platform models?	We cannot disclose this information publicly. But the Center will allow one (1) representative from each prospective bidder to conduct a site visit on Monday, October 2, 2017 and Tuesday, October 3, 2017, from 2:00pm to 5:00pm only.
Page 71	Item 1.2 For the databases, do you require an agent-based or agentless software?	Please refer to Section VII item 1.2.
Page 71-72	**Items 1.4 and 1.6.2** Would you allow a backup software that is capable of image backup but is not capable of granular backup for the installed operating system, e.g. FreeBSD?	Please refer to Section VII, items 1.4 bullet no. 9 and 1.6.2.

Page 71	**Physical to Virtual: Do you have spare VM capacities for restore?**	**Yes**
Page 71	Virtual to Physical: Do you have spare physical servers to restore to?	Yes
Page 71	For the FreeBSD granular backup/ restore, is it only on folder/file level?	No. Full backups will also be performed for the VMS running FreeBSD.
	What is the retention period of the backup to disk?	Full backups are going to be kept for 2 weeks and incremental backups will be set to expire after a week.
Page 71	**Item 1.6.2** What is the current hypervisor version? We assume it is VMware based on the required features. Are there other hypervisors?	The current hypervisors are mentioned already in 1.6.2 of Section VII-Technical Specifications. The hypervisors are VMware ESXi 5.5 and 6.0 only.
Page 72	**Item 2.2** What are the existing storage?	We cannot disclose this information publicly.
	How was the 28TB sized?	28TB is the current usable capacity of our production storage. This is not the size of the data that needs to be backed up. The proposed storage must be expandable in terms of size.
	May we have current inventory, backup sizes, and retention policies so we can review?	The total size of data to be backed up is 13TB. Full backups must be retained for 2 weeks and incremental backups will be set to expire after a week.
Page 72	**Item 2.2.1-bullet no. 3** Can we propose 10GE IP ports connectivity for the storage?	The SAN switch that will be used is a Dell s5000 converged LAN/SAN switch running at 10Gbps of FCoE by using SFP+ transceivers and FC cables. The proposed storage should be compatible with this SAN switch.

Page 72	What is the LAN speed? 1GbE or 10GbE (copper or fiber optic)?	LAN speed in the Center is 1Gbps Ethernet. The SAN switch that will be used is a Dell s5000 converged LAN/SAN switch running at 10Gbps of FCoE by using SFP+ transceivers and FC cables.
	LAN bandwidth?	LAN speed in PPP Center is 1Gbps Ethernet. The SAN switch that will be used is a Dell s5000 converged LAN/SAN switch running at 10Gbps of FCoE by using SFP+ transceivers.
	What is the required backup window, RPO, RTO?	Backup scheduling shall be decided internally by the PPP Backup Administrators. RPO for non-critical applications is 24 hours and 3 hours for critical apps such as MS Exchange. RTO is based on existing industry standards.
Page 73	Item 2.2.3-bullet no. 3 What does it mean to support full VM backup format over NAS?	The Center might use our spare NAS data storage to run replicated VMs or production servers. These VMs which will run on vmware will be backed up in full in VMDK format. Backup and restoration to and from a NFS client should be supported by the proposed storage system.
Page 73	**Item 2.2.4** In the storage requirement, is it required that the storage will be the one to perform replication not the backup software?	The Center prefers that replication feature be present in both the storage hardware and backup software and then we will decide which will be used to control the replication based on efficiency.

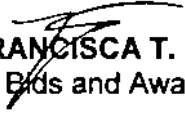|	Replication – do we need to propose a backup server also on the DR?	No. Setting-up of DR system for replication is not included on this project.
	What is the total data size to be backed up?	13TB is the total size of data to be backed up.
	What is the storage type of the VMWare environment?	The current production storage is a branded and high-performance enterprise storage with Fiber Channel or iSCSI network ports.
Page 73	Is backup encryption required?	Yes. Data encryption feature is required during replication of data to the remote co-location.

Page 74	Vendor must have a local presence of support personnel – does it refer to principal vendor or reseller?	This will depend on the internal arrangement between the vendor, distributor and reseller. Support personnel should be knowledgeable on the deployed technology.
Page 75	You specified CPU licensing option for the backup software, but capacity-based is the latest trend in the market today. Would you consider changing this?	No. The PPP Center prefer CPU licensing instead of capacity-licensing because the Center's data rapidly increase.
	Are we going to provide one full-rack?	Yes. Provide one 42U full-rack cabinet.
Page 75	Can you expound on the meaning of the below licensing? Is the 22 physical CPU comes from the 7 physical windows servers? Or does it come from a total of all the physical servers that shall be backed up and it already includes the 7 physical windows servers?	The twenty-two (22) per-processor licenses that the Center requires are for eleven (11) dual-CPU servers. We also have three (3) NAS servers running Windows Storage 2012 OS and four (4) other machines also running Windows.
	May we know the current PPP Center setup? (Network and server diagram)?	No. However, the Center will allow one (1) representative from each prospective bidder to conduct a site visit on Monday, October 2, 2017 and Tuesday, October 3, 2017, from 2:00pm to 5:00pm only.
	May we know the locations of the remote PPP Center sites?	The DR set-up is not yet existing. It will be part of the procurement plan of the PPPC. The site will be in DICT, Quezon City.
	What are the RPO/RTO requirements per application, database, files and VM? Would be better to mention the RPO/RTO for each applications listed in the TOR.	The PPP Center RPO is 24 hours for non-critical applications and 4 hours for critical applications such as MS Exchange. RTO requirements are based on industry standards.
	What is the DR setup? Warm, Hot, or Cold standby?	The DR set-up is not yet existing. It is part of the procurement plan in the future. DR site should have a real-time replica of PPP Center data.
	How many physical servers hosting virtual machines are there? How many total VMs in the cluster/datacenter?	There are 11 virtualized servers and 7 physical servers. The Center prefers host-based and/or per-processor licensing option which do not need to count the number of VMs that will be deployed in a single server.

Page 75	22 physical CPU refers to the total socket count for the VM servers? What applications are running here?	Yes. It refers to twenty-two CPU sockets of the eleven dual-CPU servers. Applications are listed in Section VII of the bidding document.
Page 75	7 physical servers has how many sockets or CPUs? What applications are running here?	The seven servers has 1 Intel CPU sockets each. Applications are already listed in Section 7 of the bidding document.
Page 75	Does this project require servers, licenses and services for 2 sites?	No. The Center initially requires one site only. Supplier should provide assistance in setting-up a backup storage for the remote PPP Center site.
	Why does it require only 1 lot?	The PPP Center will procure another lot for disaster recovery solution after this project.
Page 75	Where are these locations? How far apart? What is the bandwidth between these sites?	PPP Center DR site is not yet existing. This will be part of the Center's procurement plan in the next 3 years.
Page 75	Is there an infrastructure or any equipment in the DR site?	Same as above.
Section VI. Schedule of Requirements Page 67	We would like to request that Schedule of Requirement will be 90 calendar days from receipt of NTP/PO.	Please refer to Section VI-Schedule of Requirements, items 1 to 3.
Section III. Bid Data Sheet Page 38	Will PPP consider an SLCC based on VATex that will comply when computed as VATinc?	Yes, SLCC amount is computed as VAT inclusive.
	If SLCC is under NDA, will PPP consider a letter from the end-user stating that the project on the backup solution has been completed on (date) and amount is greater than PHP x VATex?	The Bidder shall still comply with Annex G in form and substance. However, if the amount of the SLCC is confidential under a Non-disclosure Agreement, it shall state in the Annex that the SLCC amount is confidential but the bidder certifies that it is greater than Php 3,450,000.00, inclusive of VAT. The bidder may attach the letter together with Annex G in its submission. The contents of Annex G shall be verified by the BAC during the post-qualification, and the BAC may require further documents from the bidder

		as necessary to substantiate the information provided.

For information and guidance to all concerned.

Issued this 29th day of September 2017.

FEROISA FRANCISCA T. CONCORDIA
Chairperson, Bids and Awards Committee