


LAND BANK OF THE PHILIPPINES

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BID BULLETIN NO. 2
For ITB No. 2015-3-014

PROJECT : One Lot Supply, Delivery and Installation of 24 Units Blade Server and 2 Units SAN Storage with 12TB Usable Capacity

IMPLEMENTOR : Procurement Department

DATE : April 15, 2015

This Bid Bulletin is issued to modify or amend items in the Bid Documents. This shall form an integral part of the Bid Documents.

The modifications or amendments are as follows:

- 1) Name of Project has been changed as follows:

FROM	TO
One Lot Supply, Delivery and Installation of 24 Units Blade Server and 2 Units SAN Storage with 10TB Usable Capacity	One Lot Supply, Delivery and Installation of 24 Units Blade Server and 2 Units SAN Storage with 12TB Usable Capacity

- 2) The Terms of Reference has been revised. Please see attached revised Annexes A1 to A18.
- 3) Section VII (Technical Specifications) and Checklist of Bidding Documents have been revised. Please see attached revised pages 70, 71 and 87.
- 4) The deadline of submission and the schedule of opening of eligibility/technical and financial documents/proposals for the above project is re-scheduled from April 16, 2015 to **April 23, 2015, 11:00 A.M.** at the Procurement Department, 25th Floor, LANDBANK Plaza Building, 1598 M. H. Del Pilar corner Dr. Quintos Streets, Malate, Manila.

For guidance and information of all concerned.


ALWIN I. REYES
 Department Manager
 Procurement Department

Technical Specifications

Item No.	Specification	Statement of Compliance
		<p>Bidders must state below either "Comply" or "Not Comply" against each of the individual parameters of each specification stating the corresponding performance parameter of the items offered.</p> <p>Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. 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 Bidders 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 provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii)</p>
	<p>One Lot Supply, Delivery and Installation of the following:</p> <p>1 24 Units Blade Server</p> <p>2 2 Units SAN Storage with 10TB Usable Capacity</p> <p>Other requirements :</p> <p>1. Compliance to the technical specifications and other requirements per attached Revised Terms of Reference- Annexes A-1 to A-18.</p> <p>2. Submission of the following documents inside the eligibility/technical envelope</p> <ul style="list-style-type: none"> List of clients that bidder has implemented Blade 	<p>Please state here either "Comply" or "Not Comply"</p>

	<p>and Storage set up with virtualization with complete addresses, contact persons and contact numbers</p> <ul style="list-style-type: none">• Certification of Satisfactory Performance issued by the bidder's client. If the bidder has an existing or completed contract with LANDBANK, a Certification of Satisfactory Performance issued by the Head, TMG shall likewise be submitted.• Names of two (2) certified local engineers in either Vmware or Hyper-V with their corresponding certifications• List of local sales and technical office in the Philippines with complete addresses, contact persons and contact numbers• Certification issued by the bidder stating that it has:<ul style="list-style-type: none">a) Five (5) years experience in IT industryb) Experience in server virtualization	<p>Please state here either "Comply" or "Not Comply"</p>
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Conforme:

Name of Bidder

Signature Over Printed Name of Authorized Representative

Position

7. The prospective bidder's computation for its Net Financial Contracting Capacity (sample form - Form No. 5)
8. List of clients that bidder has implemented Blade and Storage set up with virtualization with complete addresses, contact persons and contact numbers
9. Names of two (2) certified local engineers in either VMware or Hyper-V together with their corresponding certifications
- 10. Certification of Satisfactory Performance issued by the bidder's client. If the bidder has an existing or completed contract with LANDBANK, a Certification of Satisfactory Performance issued by the Head, TMG shall likewise be submitted.**
11. List of local sales and technical office in the Philippines with complete addresses, contact persons and contact numbers
- 12. Certification issued by the bidder stating that it has; a) five (5) years experience in IT industry; and b) experience in server virtualization**

Class "B" Document

13. Valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, 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 shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit the legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance.
14. Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet);
15. Schedule VI - Schedule of Requirements with signature of bidder's authorized representative.
- 16. Revised Section VII - Technical Specifications with response on compliance and signature of bidder's authorized representative.**
17. Duly notarized Omnibus Sworn Statement (sample form - Form No. 6).
18. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and

Land Bank of the Philippines
BLADE SERVER and STORAGE TERMS OF REFERENCE

Objective

The goal of this document is to define the specific criteria for selecting the supplier of Blade Server and Storage for installation in Landbank Head Office and DR Site. This will ensure that the solution selected will be the one best suited for the Bank's requirements. The Blade Server and Storage solution will be used in implementing Microsoft Hyper-V Technology server virtualization.

Note: All requirements are MANDATORY.

Responses to requirements listed should pertain to currently shipping product only.

Component	Quantity	Features and Specifications	Comply Y/N ?
BLADE SERVER Processor Memory Hard Drive Network Interface HBA Media Kit Warranty Parts/Labor/Onsite	24	<ul style="list-style-type: none"> * Dual (2) Intel® Xeon® Processor 2680 v2 or better in all aspects * 2.8 Ghz, 25M Cache, 8GT/s QPI, Turbo, 10Cores or better * Scale up to 128GB using 16x8GB DIMMs or better * Initial Installed memory at least 128GB (at least 8GB Module) * 1600MHz Dual Ranked RDIMMs for 2 Processors * 2x 300GB 15K RPM, 6Gbps SAS 2.5" Hot Plug Hard Drive or better * RAID Controller (Support for RAID 0/1) * At least 8x Gigabit Ethernet per blade or better * 8Gb Fiber Channel FC Card (Redundant) * Software Media Kit * 3 years parts and service * 24x7 	
Enclosure (Chasis)	2	<ul style="list-style-type: none"> * Hot Plug Redundant Fan and Power supply modules <ul style="list-style-type: none"> - Can power all blade servers in the enclosure even when only half of the total number of power supply modules is active * At least 4 power supply modules (Maximum configuration, Full Redundant) * Maximum configuration for Fan and Power supply modules * External DVD-ROM Drive, 8x Max Speed or better, USB Con. * Scalable to at least 14 Blades or better (Vendor has the option to offer 2 chassis per site) 	
Other		<p>Vendor must provide all power outlets for the proposed system (e.g. Twist Lock, electricals) from the 16th floor power distribution</p> <p>Vendor must provide all the necessary cables (CAT-6 Ethernet and Fiber) for both sites for the system to be fully operational.</p> <p>Vendor should have implemented 1 Blade and Storage setup with virtualization (Contact person should be submitted)</p> <p>Vendor must have 5 years IT Industry experience</p> <p>Vendor must have experience in server virtualization</p> <p>Vendor must have 2 certified local engineers in either VMware or Hyper-V (Certification should be presented)</p>	

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Manufacturer of the brand being offered should have a local sales and technical office in the Philippines to insure guaranteed support from the manufacturer.

3 years warranty on-site Technical support, parts and labor

Vendor must install, support, document and implement the proposed system.

Trainings for Blade and Storage administration and operation for 10 personnel.

The vendor must submit a certificate of satisfactory performance issued by the bidder's clients. If the bidder has an existing or completed contracts with LANDBANK, a certification of satisfactory performance issued by the Head, TMG shall likewise be submitted.

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LANDBANK STORAGE TERMS OF REFERENCE

CAPABILITY	REQUIREMENT	WILL COMPLY? YES/NO	REMARKS
1. CAPACITY			
1.1. Usable Capacity Requirement	1.1.a. Total of 24TB Usable storage; 12TB usable based on RAID5+1 level per site installation: storage will be installed at the LBP Plaza Data Center and at the Business Recovery Site (BRS)		
	1.1.b. Composition of storage must consist of not less than 300GB disks with speed of 15K rpm or better		
	1.1.c. 12TB storage per site must be configured in a single rack frame, including storage controllers, network interface, expansion slots, and power supply		
1.2. RAID Support	1.2.a. Should support the following RAID level conversion: (i) RAID10 to RAID6 or RAID5 or better (ii) RAID6 to RAID5		
	1.2.b. Must also support online RAID level conversion without the need to install additional host software, does not impact host performance and no data lost from the conversion.		
2. SCALABILITY			
2.1. Disk Drive Support	2.1.a. The proposed storage must be able to support at least 2 of the following: a. SAS15K or better b. Solid State Drives/ Flash Drives c. Fiber Channel Drives d. Low-Power SATA Drives		
2.2. Capacity and Scalability	2.2.a. Must be able to support different disk capacities not less than 300GB disks		

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	with speed of 15K rpm or better for future requirements		
2.3.Front-End Stability	2.3.a. Must be able to provide expandable front-end I/O modules to meet existing or future needs for front-end port counts and future technologies		
2.4.Data Storage Upgrade Capability	2.4.a. Storage must provide upgrade path to larger or future capacity and software technology while maintaining the existing investment		
	2.4.b. Data-in-place upgrades should allow N-1 and N-2 technology to be converted to the latest storage model, while leveraging on existing components and software and without data loss		
2.5. Host Connectivity	2.5.a. Storage system must be able to connect to a minimum of 25 servers or logical partitions on virtualized environments per site		
3. INTEROPERABILITY			
3.1.Operating System Support	3.1.a. The disk array can support Windows 2008/2012 (both cluster and non-cluster version), Sun Solaris, IBM AIX, HP-UX, Red Hat Enterprise Linux, Linux, Mac OS X, VMware ESX, Microsoft Hyper-V and other system platforms, and can provide a list of compatibility matrix.		
3.2.Network	3.2.a. Storage must be able to run on IP or dense wavelength division multiplexing (DWDM)-based platform on either Nortel or CISCO technology		
	3.2.b. Must support Fiber port connection with at least 8Gbps speed per interface.		
3.3.Backup System	3.3.a. Must be able to support connectivity and functionality of the		

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