

**BID BULLETIN NO. 1  
For ITB No. 2016-3-144**

**PROJECT** : **Supply, Delivery and Installation of Disk Storage Capacity (100TB Effective Capacity per Site) for Head Office and Backup Site**

**IMPLEMENTOR** : **Procurement Department**

**DATE** : **July 26, 2016**

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

The modifications, amendments or clarifications are as follows:

- 1) The Terms of Reference, Section VII (Specifications) and Checklist of the Bidding Documents have been revised. Please see attached revised Annex A and pages 67, 68, 83, 84 & 85 of the Bidding Documents.
- 2) The deadline of submission and the schedule of opening of eligibility/technical and financial documents/proposals for the above project is scheduled on **August 4, 2016 11:00 A.M.** at the Procurement Department, 25th Floor, LANDBANK Plaza Building, Malate, Manila.



**ALWIN I. REYES**  
Assistant Vice President  
Procurement Department

**LANDBANK OPEN SYSTEM STORAGE REFRESH: ADDITIONAL CAPACITY OF FLASH STORAGE SYSTEMS**

**Instructions on responding to this Terms Of Reference (TOR) Document**

- a. The vendor/bidder understands and agrees that the requirements specified in this document are deliverables for the proposed enterprise storage system refresh.
- b. All deliverables, its specifications and functionalities, must be satisfied including its necessary prerequisites without additional cost to the Bank.
- c. The vendor/bidder must answer at the third column whether the proposed enterprise storage system complies or not—answer must be **YES** or **NO**.
- d. The REMARKS column in the table is to be filled out according to the response in the third column:
  - d.1. If answer to the third column is YES: REMARKS column is to be filled out with the complete and specific reference to the supporting document included in the bidding document to support answer/claim.
  - d.2. If the answer to the third column is NO: REMARKS column is to be filled out with the justifications why the proposed storage system cannot meet the specified requirement; include the complete and specific reference to the supporting document included in the bidding document to support answer/claim.
- e. The supporting documents, cited references to the Storage TOR should be indexed or labeled accordingly for easy identification and validation.
- f.

CAPABILITY	REQUIREMENT	WILL COMPLY? YES/NO	REMARKS
<b>1. CAPACITY</b>			
1.1. Usable Capacity Requirement	1.1.a. Total of <b>at least 200TB EFFECTIVE Usable ALL-Flash Array (AFA) storage system</b> ; Distribution: <ul style="list-style-type: none"> <li>• <b>100TB AFA storage</b> usable for Head Office Data Center</li> <li>• <b>100TB AFA storage</b> usable for Business Recovery Site (BRS) Data Center</li> </ul>		
	1.1.b. Provision for two (2) 4TB external drives as repository for CCTV video and images.		

REVISED

ANNEX A

1.2.Capacity Architecture	1.2.a. Proposed storage system must be able to address requirements and replace the Hitachi Data Storage AMS2500.		
	1.2.b. All-Flash Arrays maybe implemented either thru flash memory based architecture or solid state-based architecture.		
	1.2.c. <i>The <b>INITIAL</b> storage system per site must be configured to fit <b>MAXIMUM</b> of 10u in not more than a single rack frame, and includes the storage controllers, network interface, gigabit switches, expansion slots, and power supply.</i>		
	1.2.d. The <b>INITIAL</b> storage system per site must be configured to fit in, in the brand's existing storage rack footprint.		
	1.2.e. Must have <b>at least two 64GB</b> of cache per storage system per site		
1.3.RAID	1.3.a. Proposed AFA storage must be fully redundant and at least <b>RAID 6 or better</b> .		

2. PERFORMANCE			
2.1. Total Input/Output Operations Per Second	2.1. Total IOPS per box per site is at least 190k IOPS for both read and write, without degradation; total IOPS should be measureable by native storage tools.		

3. SCALABILITY			
3.1.Disk Drive Support	3.1.a <i>The proposed storage drives must be at least 1.2TB Micro Latency Module or equivalent technology.</i>		
	3.1.b. Fiber Channel disk/drives are <b>NOT</b> qualified to be included in the proposed storage system as these are nearing the end of life product cycle.		
3.2.Capacity and	3.2.a. Proposed storage system must		

Scalability	be scalable to at least <b>200TB</b> usable capacity on RAID6 implementations per site.		
3.3.Storage Interface	3.3.a <i>Must be able to connect to SAN infrastructure of 48 ports or more.</i>		
	3.3.b. FC ports on the proposed storage system must be at least 8Gbps.		
3.4.Data Storage Upgrade Capability	3.4.a. Storage must provide upgrade path to larger or future capacity and software technology when the time comes for the requirement to present itself. The future requirement will not be limited to the initial single rack of 400TB effective storage capacity — additional storage racks can be provisioned when applicable and necessary.		
3.5. Host Connectivity	3.5.a. Storage system must be able to connect to the IBM Power 7 Servers and with its subsequent three generation of models via FC ports.		

<b>4. INTEROPERABILITY</b>			
4.1.Operating System Support	4.1.a. <i>Proposed storage must be able to support the following minimum version of operating system platforms:</i> <ul style="list-style-type: none"> <li>a. <i>Variants of Unix which includes but not limited to:</i> <ul style="list-style-type: none"> <li>i. <i>IBM AIX version 6.1 to 7.1, and newer versions</i></li> <li>ii. <i>Red Hat Enterprise Level 5 and newer versions</i></li> <li>iii. <i>SUSE Linux Enterprise Server 11 Service Pack 2 and newer versions</i></li> </ul> </li> </ul>		
4.2. Server Virtualization Support	4.2.a. Proposed storage must be able to support the following minimum version of server virtualization system platforms: <ul style="list-style-type: none"> <li>a. IBM AIX VIO Server versions which includes but not limited</li> </ul>		

	to: i. 53000-00-00, 1.3.0.1, 1.5.2.0, 2.1.3.10, 2.2.0.0, and 2.2.1.0 and newer versions		
4.3.Network	4.3.a. Storage must be able to run on IP or dense wavelength division multiplexing (DWDM)-based platform on CISCO ONS model 15454 technology and higher models		
	4.3.b. <i>Proposed storage system MUST leverage on the Bank's existing SAN Director for connectivity to support 40 to 60 LPARs/servers for the main data center</i>		
	4.3.d. <i>The proposed storage system must have their own switch for replication purposes to the DR/BRS.</i>		
4.4.Backup System	4.4.a. Must be able to support connectivity and functionality of the Bank's backup software and hardware		

5. TECHNOLOGY			
5.1.Data Compression	5.1.a. Proposed AFA storage system must include <b>data compression feature</b> of at least 2.5:1 ratio for optimum storage performance.		
5.2.Thin Provisioning	5.2.a. Must be able to over-provision applications in order to reduce physical storage capacity requirements, especially when physical capacity is not enough.		
5.3.LUN Migration Capability	5.3.a. Proposed storage system must implore the use of a storage migration tool which can be proprietary to the storage provider or a third party storage migration tool.		
	5.3.b. Must provide automated analysis of data activity as well as automated data migration between storage for reduced cost and greater		

	efficiency		
5.4.Instant Copy	5.4.a. Must include software for instant copy and must be able to create copies of data within the storage system in a short span of time, i.e. for 1TB data, instant backup copy in 20 minutes or less		
	5.4.b. Instant backup copy feature must include full source data backup and the capability to copy only the changes made from the source data and storage to the target storage.		
	5.4.c. Instant copy feature must also have the capability to directly restore to the source storage from the backup copy on the storage.		
	5.4.d. The backup copy from the Instant copy functionality must also be transferrable to backup tape or disk media and restore from the backup media.		
	5.4.e. Must be able to perform instant copy function on the source storage regardless of the data use whether online or offline		
5.5.Replication	<i>5.5.a. Must include mirroring software and must be able to mirror data from the data center to the BRS on synchronous OR asynchronous replication</i>		
	5.5.b. Replication feature must include full source replication to target storage and incremental replication wherein only the data changes are mirrored to the target storage		
	5.5.c. Data mirroring between two sites must support bi-directional replication and have failover and failback capability. The failover and		

	failback capability must be tested and verified.		
	5.5.d. Replication feature must also have the capability to directly restore to the source storage from the backup copy on the remote storage.		
	5.5.e. The backup copy <b>from the replica functionality</b> must also be transferrable to tape media and restore from tape is also a required functionality		
	5.5.f. Must be able to perform replication function on the source storage to the remote storage regardless of the data use whether online or offline		
5.6. Storage Virtualization	5.6.a. Proposed storage system must have an external storage virtualization feature, that is readily available and usable without additional cost to the Bank.		
5.7. Encryption	5.7.a. Data in the AFA must be encrypted.		

<b>6. AVAILABILITY</b>			
6.1.No Single Point of Failure / System-Level Availability	6.1.a. Proposed storage must be able to provide 99.999% availability		
6.2.Data Protection	6.2.a Must be resilient to manage multiple drive failure without data loss and performance impact. Must be able to handle at least two drive failures (at the same time) for online disks or at least six offline disks at the same time.		
	6.2.b. Should have the capability of de-staging data from cache to disk to ensure data protection in the event of extended power failure.		

6.3.Site-Level Availability	6.3.a. <i>The storage should be able to support both synchronous OR asynchronous replication.</i>		
	6.3.b. <i>Licenses for synchronous OR asynchronous replication must be included in the proposed storage solution.</i>		
6.4.Hot Spares	6.4.a. Must be able to provide automated monitoring of disk drive health and be able to initiate a proactive background drive rebuild on failing drives.		
	6.4.b. Rebuild for a minimum 1TB drive should have little or no rebuild process overhead and performance impact.		
	6.4.c. Must be able to provide hot spares for the offered number of disk drives		
6.5. Load Distribution	6.5.a Must be able to balance data on all system components eliminating the possibilities of a hot-spot being created		
	6.5.b. Must be able to distribute the workload evenly across all hardware component at all times regardless of access patterns.		
6.6.Non-Disruptive Upgrades	6.6.a. The storage should support non-disruptive firmware upgrades.		
6.7. Continuous Roadmap	6.7.a. The proposed storage system brand and model must include a technology roadmap for at least the next three (3) years to ensure the availability of the storage system for the next three to six years.		

<b>7. MANAGEMENT</b>			
7.1.Fault Detection and Isolation	7.1.a. Storage must have capability to collect fault conditions and should be able to activate call home feature to speed up problem identification and resolution.		



	<p>7.1.b. Storage management software must be able to send email notifications to administrators on various storage system statuses via the Bank's email system; this feature is a vendor deliverable to configure storage notification feature to work with email.</p>		
<p>7.2.Storage Array Configuration and Management Software</p>	<p>7.2.a. Storage must include a web-based storage configuration and management software with no additional cost.</p>		
	<p>7.2.b. Storage management software must include the following functionality but not limited to:</p> <ul style="list-style-type: none"> <li>a. Virtualization</li> <li>b. Thin Provisioning</li> <li>c. Data Instant copy/snapshot</li> <li>d. Local and distant replication</li> <li>e. Data migration</li> <li>f. Performance monitoring</li> </ul>		
	<p>7.2.c. Storage management software must be able to administer to at least <b>120TB</b> of storage.</p>		
	<p>7.2.d. Storage management software must include security access features that is role-based, for different access privileges for the storage administrators and computer operators.</p>		
	<p>7.2.e. Storage management software must be able to generate storage allocation and capacity reports on PDF or equivalent non-editable documents.</p>		
	<p>7.3.f. Storage management software must be able to generate performance, IOPS statistics, usage, allocation, including storage and storage replication throughput, disk utilization and fault reports on PDF or equivalent non-editable documents.</p>		

	7.3.g. Storage management software must be able to provide historical reporting for at least one year data for benchmarking and comparison.		
	7.3.h. Storage management software system requiring a separate server must be included in the proposed storage system.		
	7.3.i. The required management server should be compact and part of the storage system rack, or the separate management server that is standalone must be branded (i.e., IBM, HP, Dell)		

8. WARRANTY AND SUPPORT			
8.1. Storage Support	8.1.a. Proposed storage must include three (3) years warranty on all parts, components, peripherals and both Hardware (parts and labor) and Software included in the bid. Support thru Maintenance Agreements (both for hardware and software, including licenses) starts on the fourth year and pegged at 15% of the acquisition cost for the succeeding years.		
	8.1.b. Parts for the storage solution must be readily available and locally stocked: repair and replacement of critical parts must be completed, at most within two (2) days.		
	8.1.c. Must include 24/7 local and remote technical and help desk support		
	8.1.d. Remote technical and help desk support to be provided to Landbank must include desktop sharing capability for speedy troubleshooting and problem resolution		

	8.1.e. Must include onsite support for severity one (1) issues. LBP SLA on incident and problem management will be observed.		
	8.1.f. Must include onsite support for non-incident related issues which includes storage configuration customization, performance and data storage use optimization ; and part of the support and maintenance agreement.		
	8.1.g. Support must always be available and accessible on demand as part of the support and maintenance agreement.		
	8.1.h. The support and delivery services specified are exclusive for this storage model/product and must not be related to other storage models/products that are not part of the terms of reference or the contract unless otherwise specified.		
8.2. Personnel Qualification	8.2.a. Support personnel must be certified on the storage model/product line with at least five (5) years' experience in disk storage management and maintenance		
	8.2.b. Support personnel must also be <b>certified, knowledgeable</b> and <b>experienced</b> with connectivity and configuration with the midrange platform and operating systems mentioned in section 4 of this document.		
	8.2.c. Curriculum vitae of at least five (5) onsite support personnel must be provided in the bidding document		

	8.2.d. Curriculum vitae of at least five (5) onsite support personnel must be <b>local support.</b>		
	8.2.e. Local support provided in the bidding document must be certified on <b>SAP ECC 6</b> for migration and support.		
	8.2.f. Local support provided in the bidding document must be certified on <b>Oracle</b> database for migration and support.		
	8.2.g. Local support provided in the bidding document must be certified on <b>DB2</b> database for migration and support.		
8.3. IT Disaster Recovery Drills	8.3.a. Must provide support for four (4) quarterly LBP IT Disaster Recovery Drills		
	8.3.b. Support for LBP IT Disaster Recovery Drills will form part of the support and maintenance agreement		
8.4. Offline Storage System Activity	8.4.a. Must provide onsite and remote support for host upgrade and migration activities as part of the support and maintenance agreement		
	8.4.b. Must provide onsite and remote support for storage upgrade and data migration activities as part of the support and maintenance agreement		
	8.4.c. Must provide onsite and remote support for storage related downtime activities which include repairs, preventive maintenance, and data center (head office and offsite) power supply maintenance		
8.5. Onsite Health Check	8.5.a. Must include at least four (4) man days per year for storage system health checks which will form part of the support and maintenance agreement.		

	8.5.b. Must provide a service or activity report on the checks performed on the storage, including health status and recommendations on storage availability improvements and maintenance.		
	8.5.c. Storage health check specified man days not fully consumed may be convertible to trainings or education credits		
	8.5.d. Must provide premium support of at least 30 mandays per year, for three years.		
	8.5.e. The 30 mandays per year maybe split between the principal and the business partner/reseller.		

9. TRAININGS			
9.1. Training on Storage Management and Use	9.1.a. Proposed storage system must include education credits for basic and advance storage management of the storage model, for four (4) storage administrators.		
	9.1.b. The vendor must also include a preliminary training plan on the training courses to be carried out including the following: <ul style="list-style-type: none"> <li>• Course Title and Description</li> <li>• Learning Objectives</li> <li>• Class Composition</li> <li>• Course Duration</li> <li>• Training Sequence</li> </ul>		
	9.1.c. Trainings from the education credits can be availed within <b>three (3)</b> years on staggered schedules, as this is necessary to avoid operational risks to LBP.		

	<p>9.1.d. The vendor must provide for <b>ALL</b> the necessary training logistics and paraphernalia for the participants' needs with <b>no additional cost to the Bank</b></p>		
	<p>9.1.e. For trainings to be conducted at vendor-elected training site, participants must have access to the internet with no additional cost to the Bank, for the duration of the training, for communication, technical support, and correspondence purposes.</p>		
	<p>9.1.f. Proposed storage system must include SKILLS TRANSFER on the storage solution for at least five (5) storage administrators, technical support and operations personnel.</p>		

10. SERVICES			
<p>10.1. Basic Delivery Services</p>	<p>10.1.a. Proposed storage system must include services such as delivery to site, setup, installation and configuration of all storage hardware and software components.</p>		
	<p>10.1.b. Setup, installation and configuration activities must also include joint inventory of all hardware and software components.</p>		
	<p>10.1.c. Services must include performing setup, installation and configuration to host servers or logical partitions thru SAN switches or SAN director, and Interlink Switch Link (ISL) services.</p>		
	<p>10.1.d. Services must include implementation of the storage technology functionalities specified in this document and features that are inherent to the storage system.</p>		

	10.1.e. Proposed storage system must <b>include host and data migration services.</b>		
	10.1.f. Services must include migration, reorganization and optimization of the storage system for AIX, and RHEL5		
	10.1.g. Storage system via SAN connectivity must be configurable to at least 40 to 60 servers or LPARs per site on a staggered implementation basis, <b>for the duration of the warranty.</b>		
	10.1.h. Services include installation, setup, configuration and customization of the storage system management software for both sites.		
10.2. Skills Transfer	10.2.a. Must provide skills transfer on the operations of the configured storage hardware and software; LBP IT personnel must be able to apply the new knowledge and skills on the storage system		
	10.2.b. Services must include transfer of technology to LBP IT personnel which includes but not limited to : <ul style="list-style-type: none"> <li>i. creation and implementation of policies for storage tiering</li> <li>ii. creation and implementation of local instant copy (within the local storage system)</li> <li>iii. creation and implementation of two-site storage replication to and from the BRS</li> <li>iv. creation and implementation of storage allocation for use by a server or LPAR</li> </ul>		
10.3 Decommissioning	10.3.a. Services must include data erasure, dismantling of the target storage system for replacement and transport to either the LBP Warehouse		

	and/or LBP DR Site.		
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<b>11. GENERAL AVAILABILITY</b>			
11.1. Product Offering	11.1.a. Proposed storage model for both sites should be brand new		
	11.1.b. The storage model /product line should <b>not be more than two (2) years old in the market</b> , starting from the date of the pre-bid conference for this requirement.		
	11.1.c. The proposed storage model/product should be verifiable via published public documents or thru the product's website.		
	11.1.d. The proposed storage model/product should be in the <b>Leader's Magic Quadrant</b> of Gartner, Forrester or IDC for studies on storage in 2015.		
11.2. Delivery	11.2.a. Must be able to deliver the storage system <b>hardware</b> and related components within 45 calendar days to both installation sites upon receipt of the Purchase Order		
	11.2.b. Setup of storage must commence in one site starting at the third business day from the date of delivery		

<b>12. REFERENCE</b>			
12.1. Implementation	<i>12.1.a. Must have a similar storage implementation of a minimum of <b>80TB</b> or more in at least two organizations, whether local or in-region (but preferably local reference), and is currently operational and referential.</i>		



	12.1.b. References cited must include implementations on AIX, RHEL5, and for FC connectivity.		
	12.1.c. Must have an install base on local and remote data mirroring implementation in at least two organizations, and is currently operational and referential.		
	12.1.d. All site references must include certification on the use of the storage product both from the vendor and the end-user.		
	12.1.e. LANDBANK must be one of the references for the vendor's storage implementations.		

13. OPERATIONAL REQUIREMENTS			
13.1. Site Survey	13.1.a. Prior to submission of bidding proposal, the vendor must conduct a site survey for the target storage installation sites. The survey is necessary for the vendor/provider to <b>ensure that the storage system will be able to function properly and according to expectation.</b> A duly signed Non-Disclosure Agreement must be completed prior to the site survey.		
	13.1.b. The necessary operational requirements will be part of the bidding proposal and must not entail additional cost to the Bank		
	13.1.c. The necessary operational requirements must be <b>sufficient</b> enough to enable the operation of the storage system, without major modifications on the sites' structural design		
	13.1.d. The necessary operational requirements modifications must at		

	least follow the Bank's existing site and structural design		
	13.1.e. The vendor must provide for the required electrical supply of the storage system which includes cables and necessary wiring to the UPS and provision for circuit switches, breakers		
13.2. Deployment	13.2.a. The vendor must be able to determine the appropriate product for Landbank's storage requirements, including those specified in this document. The vendor must size the necessary prerequisites, including storage hardware peripherals to be able to implement the storage system requirement		
	13.2.b. The vendor must provide for all storage cables that are compatible to the existing CPU and tape subsystem host adapter protocols.		
	13.2.c. The vendor must also include spare storage cable provisions for future host upgrade or migration activities.		
<b>14. DOCUMENTATION</b>			
14.1 Configuration, Operation, and Deliverables	14.1.a. The vendor must provide documentation on the storage system configuration, which includes but not limited to capacity and performance base lining, zoning and connectivity diagrams of attached hosts to storage—these documentation will serve as additional inputs during health checks, problem determination and issue resolution.		
	14.1.b. The vendor must provide documentation on every deliverable specified in this document to record completion.		
	14.1.c. The vendor must provide		

**CLASS C**

	<p>documentation on storage operations and must be written in English of durable construction with concise and high quality presentation to include but not limited to the following:</p> <ol style="list-style-type: none"><li>1. User Manuals</li><li>2. Technical / Reference Manuals</li><li>3. System / Operation Manuals</li><li>4. Troubleshooting and Installation Guides</li></ol>		
14.2 Media and Format	14.2.a. All documentation must be in hard and soft copies; Soft copies must be stored either on a compact disk or USB drive; Soft copy documentation must be in a non-editable format.		
	14.2.b. All software used for the implementation of the storage system must be provided with installation media.		
14.3 Ownership	14.3.a. All documentation shall be the property of the Land Bank of the Philippines and shall reserve the right to reproduce at no additional cost.		
<b>END of Terms of Reference</b>			

# Specifications

<p align="center"><b>Specifications</b></p>	<p align="center"><b>Statement of Compliance</b></p> <p align="center"><b>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each specification.</b></p> <p>Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid. 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 align="center">Supply, Delivery and Installation of Disk Storage Capacity (100TB Effective Capacity per Site) for Head Office and Backup Site</p> <p>Specifications and other requirements per <b>Terms of Reference (Revised Annexes A and B)</b>.</p> <p>The following documents shall be submitted inside the eligibility/technical envelope:</p> <ol style="list-style-type: none"> <li>1. <b>Revised Terms of Reference (TOR)</b> with responses of the bidder on each of the requirements (Each page of the dully filled-out TOR must be signed/ initialed by the bidder’s authorized signatory/ies)</li> <li>2. Certification on the following: <ul style="list-style-type: none"> <li>• At least five (5) years experience in disk storage management and maintenance</li> <li>• Connectivity and Configuration of Midrange Platform and Operating Systems</li> </ul> </li> </ol>	<p align="center"><b>Please state here either “Comply” or “Not Comply”</b></p>

<ul style="list-style-type: none"><li>• SAP ECC 6 Training</li><li>• Oracle Database Training</li><li>• DB 2 Database Training</li></ul> <ol style="list-style-type: none"><li>3. Curricula Vitae/Résumés of at least five (5) onsite support personnel</li><li>4. Certification that data has been erased and/or no data can be retrieved from the old storage</li><li>5. Certification of storage model/product line indicating that it is not more than two (2) years in the market</li><li>6. List of reference for the following:<ul style="list-style-type: none"><li>• Leader's Magic Quadrant 2015</li><li>• Local reference of at least two (2) organizations with similar storage implementation of 80TB or more</li><li>• At least two (2) organizations with installed base on local and remote data mirroring implementation</li></ul></li></ol> <p>Note: Other documents that will support/prove the bidder's responses in the TOR should also be submitted.</p>	
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**Conforme:**

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Signature Over Printed Name of  
Authorized Representative

\_\_\_\_\_  
Position

## **Checklist of Bidding Documents for Procurement of Goods and Services**

**Documents should be arranged as per this Checklist. Kindly provide folders or guides, dividers and ear tags with appropriate labels.**

**The FIRST ENVELOPE shall contain the following technical information/documents (Section 25.2):**

1. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture (sample form - Form No. 7).
2. Duly notarized Omnibus Sworn Statement (sample form - Form No.6).
3. Eligibility requirements (Section 23.1)

- **Legal Documents**

- 3.a Registration certificate from SEC, Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives, or any proof of such registration as stated in the Bidding Documents.
- 3.b Valid and current mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located.
- 3.c Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR.

- **Technical / Financial Documents**

- 3.d 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, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the PBDs prescribed by the GPPB. (sample form - Form No. 3). This form may no longer be submitted if bidder has no on-going contracts.
- 3.e Statement of the prospective bidder identifying its single largest completed contract similar to the contract to be bid, equivalent to at least fifty percent (50%) of the ABC supported with contract/purchase order, end-user's acceptance or official receipt(s) issued for the contract, within the relevant period as provided in the Bidding Documents. The statement shall include

all information required in the PBDs prescribed by the GPPB. (sample form - Form No. 4).

- 3.f The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.
- 3.g The prospective bidder's computation for its Net Financial Contracting Capacity (sample form - Form No. 5).
- 3.h 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.
- 3.i Terms of Reference (TOR) with responses of the bidder on each of the requirements (Each page of the dully filled-out TOR must be signed/ initialed by the bidder's authorized signatory/ies).
- 3.j Certification on the following:
- At least five (5) years experience in disk storage management and maintenance
  - Connectivity and Configuration of Midrange Platform and Operating Systems
  - SAP ECC 6 Training
  - Oracle Database Training
  - DB 2 Database Training
- 3.k Curricula Vitae/Résumés of at least five (5) onsite support personnel
- 3.l Certification that data has been erased and/or no data can be retrieved from the old storage
- 3.m Certification of storage model/ product line indicating that it is not more than two (2) years in the market
- 3.n List of reference for the following:
- Leader's Magic Quadrant 2015
  - Local reference of at least two (2) organizations with similar storage implementation of 80TB or more

- At least two (2) organizations with installed base on local and remote data mirroring implementation

Note: Other documents that will support/prove the bidder's responses in the TOR should also be submitted.

4. Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet);
5. Schedule VI - Schedule of Requirements with signature of bidder's authorized representative.
- 6. Revised Section VII - Specifications with response on compliance and signature of bidder's authorized representative.**
7. Post-Qualification Documents – (Non-submission of the following documents during the bidding date shall not be a ground for the disqualification of the bidder).
  - 7.a. Business Tax Returns per Revenue Regulations 3-2005 (BIR No. 2550Q) VAT or Percentage Tax Returns for the 4<sup>th</sup> Quarter of 2015 and 1<sup>st</sup> Quarter of 2016;
  - 7.b. Valid and current PhilGEPS Registration Certificate; and
  - 7.c. Income Tax Return for 2015.

**The SECOND ENVELOPE shall contain the following (Section 25.3):**

1. Duly filled out Bid Form signed by the bidder's authorized representative (sample form - Form No.1)
2. Duly filled out Schedule of Prices signed by the bidder's authorized representative (sample form - Form No.2)