

BID BULLETIN NO. 2
For LBP-HOBAC-ITB-GS-20171017-01

PROJECT : **Data Retention Storage**
IMPLEMENTOR : **Procurement Department**
DATE : **December 7, 2017**

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:

- The Terms of Reference (Annex A), Section VII (Specifications) and Checklist of the Bidding Documents (Items 3.e, 3.h, 3.k, 3.l & 6) have been revised. Please see attached revised Annexes A-1 to A-12 and the specified sections of the Bidding Documents.
- The deadline of submission and the schedule of opening of eligibility/technical and financial documents/proposals for the above project is re-scheduled to **December 14, 2017, 11:00 A.M.** at the Procurement Department, 25th Floor, LANDBANK Plaza Building, 1598 M. H. Del Pilar corner Dr. Quintos Streets, Malate, Manila.


ALWIN I. REYES, CSSP
Assistant Vice President
Head, Procurement Department and
HOBAC Secretariat

Specifications

Specifications	Statement of Compliance
	<p style="text-align: center;">Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each specification.</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 style="text-align: center;">Data Retention Storage</p> <p>Scope of works and other requirements per attached Terms of Reference (Revised Annexes A-1 to A-12).</p> <p>The following documents shall be submitted inside the eligibility/technical envelope:</p> <ol style="list-style-type: none"> 1. Duly filled-up Revised Terms of Reference signed in all pages by authorized representative/s. 2. Manufacturer’s certificate stating that the bidder is an authorized reseller/partner of the product being offered. 3. List of at least three (3) onsite support personnel with curricula vitae. Must be certified on the back-up storage solution with at 	<p>Please state here either “Comply” or “Not Comply”</p>

<p>least five (5) years experience in back-up management and maintenance.</p> <p>4. Certificate of Satisfactory Performance from at least two (2) previous clients, one (1) from a universal bank and another from an organization from a different industry.</p> <p>5. Certificate of Satisfactory Performance from LANDBANK if the bidder has a previous contract with the same.</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 Technical Component (First Envelope) shall contain the following:

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
 - **Legal Document**
 - 3.a PhilGEPS Certificate of Registration (Platinum Membership). All documents enumerated in its Annex A must be updated; or
 - 3.b Class "A" eligibility documents as follows:
 - 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;
 - Valid and current mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located; and
 - Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR.
 - **Technical / Financial Documents**
 - 3.c 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). The duly signed form shall still be submitted even if the bidder has no on-going contract.

- 3.d 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.e 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.f The prospective bidder's computation for its Net Financial Contracting Capacity (sample form - Form No. 5).
- 3.g 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.h Duly filled-up Revised Terms of Reference signed in all pages by authorized representative/s.**
- 3.i Manufacturer's certificate stating that the bidder is an authorized reseller/partner of the product being offered.
- 3.j List of at least three (3) onsite support personnel with curricula vitae. Must be certified on the back-up storage solution with at least five (5) years experience in back-up management and maintenance.
- 3.k Certificate of Satisfactory Performance from at least two (2) previous clients, one (1) from a universal bank and another from an organization from a different industry.**
- 3.l Certificate of Satisfactory Performance from LANDBANK if the bidder has a previous contract with the same.**
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 these documents during the bid opening shall not be a ground for the disqualification of the bidder):
 - 7.a Business Tax Returns per Revenue Regulations 3-2005 (BIR No.2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters filed manually or through the BIR EFPS; and
 - 7.b Income Tax Return for 2016 filed manually or through the BIR EFPS

The Financial Component (Second Envelope) shall contain the following:

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)



LANDBANK LONG TERM DATA RETENTION STORAGE TERMS OF REFERENCE 2017

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 the single backup system solution.
- b. All deliverables, its specifications and functionalities, must be satisfied including **ALL** its necessary prerequisites without additional cost to the Bank.
- c. The vendor/bidder must answer at the third column whether the single backup system solution 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 single backup system solution 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 this TOR should be indexed or labeled accordingly for easy identification and validation.

CAPABILITY	REQUIREMENT	WILL COMPLY? YES/NO	REMARKS
1. CAPACITY			
1.1. Usable Capacity Requirement	1.1.a. Multi-purpose, enterprise class, appliance-based Cloud-Scale storage platform for next generation applications, archiving and long-term retention of at least 214TB usable capacity.		
1.2. Capacity Architecture	1.2.a. Proposed storage solution must be able to seamlessly integrate with the Bank's existing Data Domain system , that can be deployed and expanded incrementally. It should be able to scale linearly both in capacity and performance by just adding additional nodes to the environment non-disruptively.		

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	1.2.b. Proposed storage solution must support Data Domain's native cloud-tiering which allows automated tiering directly from Data Domain to a secure on-premise cloud for archival and long-term retention purposes.		
2. PERFORMANCE			
2.1. Bandwidth support	2.1.a. Proposed storage solution must be able to run on fast network with bandwidth greater than 1 Gbit.		
3. SCALABILITY			
3.1. Scalability	3.1.a. Proposed solution must be scalable up to at least 2.5 PB raw capacity.		
3.2. Interface	3.2.a. Proposed storage solution must have two (2) units of 10 GbE top-of-rack data switches and single (1) 1 GbE management switch (internal traffic) per rack.		
	3.2.b. Uplink Connectivity support of up to 8x10 GbE uplinks to customer network (80 Gb/s maximum bandwidth), including high availability (HA) configuration.		
3.3. Data Storage Upgrade Capability	3.3.a Proposed storage solution must be complete such that it is configurable to be installed in LBP's current data center, inclusive of rack. Solution should also include all the necessary peripherals without additional cost to the Bank.		
	3.3.b Storage solution 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— additional nodes/storage racks can be provisioned when applicable and necessary.		

	3.3.c. Storage solution must be able to scale linearly both in capacity and performance by just adding additional nodes to the environment without disruption.		
3.4. Connectivity	3.4.a. Storage solution must provide Uplink Connectivity of 2x10GbE, expandable up to 8x10 GbE uplinks to customer network (80 Gb/s maximum bandwidth), including high availability (HA) configuration.		
	3.4.b. Storage solution must provide two (2) units of 10 GbE, 48 ports Top of Rack data switches and single 1 GbE management switch (internal traffic) per rack		
	3.4.c. Storage solution must provide Dual SAS cable connection between servers and disk enclosures.		

4. INTEROPERABILITY			
4.1. Operating System Support	<p>4.1.a. Proposed backup solution must be able to support the following minimum version of operating system platforms:</p> <ul style="list-style-type: none"> a. Variants of Unix which includes but not limited to: <ul style="list-style-type: none"> i. IBM AIX version 6.1 to 7.1, and newer versions ii. Red Hat Enterprise Level 5,6 and newer versions iii. SUSE Linux Enterprise Server 10, 11 Service Pack 2, 12, and newer versions b. Microsoft Operating Systems which includes but not limited to: <ul style="list-style-type: none"> i. Windows 2008 Server and subsequent releases of fix packs c. Mainframe Operating Systems which includes but not limited to: 		

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	<p>i. zVSE 5.2, 6.1 and 6.2, subsequent releases and newer versions</p> <p>ii. zLinux running RHEL and SUSE</p>		
4.2.Data Access	<p>4.2.a. Proposed storage solution must be able to support the following storage types:</p> <p>1) Object</p> <p>2) File</p> <p>3) HDFS</p>		
4.3.Backup System Interoperability	<p>4.3.a. Proposed storage solution should be able to integrate with the Bank's existing Backup Software and Infrastructure.</p>		

5. TECHNOLOGY			
5.1. Active-Active Read / Write Architecture	<p>5.1.a. Proposed storage solution must support a multi-site active-active architecture where buckets can span across multiple geographic locations. It should also support geo-caching where the system will recognize access patterns and store a full copy of a file in the data center where it is being accessed most</p>		
5.2. Multi-Tenancy	<p>5.2.a. Proposed storage solution must support multi-tenancy to provide elasticity needed to manage service offerings to diversified clientele such as monitoring and reporting; quota management.</p>		

6. AVAILABILITY			
6.1. Geo-Replicated Data Protection	<p>6.1.a. Proposed storage solution must include hybrid protection scheme comprised of erasure coding, mirroring of data, meta data and index.</p>		
6.2. Non-disruptive Upgrades	<p>6.2.a. The storage solution should support non-disruptive firmware upgrades.</p>		

6.3. Continuous Roadmap	6.3.a. The proposed storage system brand and model must include a technology roadmap for at least the next five (5) years to guard against obsolescence and to ensure the availability of the backup system solution for the next three to five years.		
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7. MANAGEMENT			
7.1. Monitoring and Diagnostics	7.1.a. Proposed storage solution must include key storage engine and geo replication metrics including reporting, monitoring and diagnostics available through the REST API and via user interface.		
7.2 Fault Detection and Isolation	7.2.a. Proposed storage system solution must have capability to collect fault conditions via SNMP and should be able to activate call home feature to speed up problem identification and resolution.		
7.3 Storage Configuration and Management Software	7.3.a. Proposed storage system solution must include a web-based storage configuration and management portal with no additional cost.		
	7.3.b. Proposed storage system solution management portal must include the following functionality but not limited to: <ul style="list-style-type: none"> a. Systems configuration b. Performance monitoring c. Reports generation 		

8. WARRANTY AND SUPPORT			
8.1. Storage Support	8.1.a. Proposed storage system solution must include three (3) year warranty on all parts, components, peripherals and both Hardware (parts and labor) and Software included in the bid.		

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	8.1.b. Must include 24/7 local and remote technical and help desk support , phone, online chat, email and onsite support.		
	8.1.c. Remote technical and help desk support to be provided to Landbank must include desktop sharing capability for speedy troubleshooting and problem resolution.		
	8.1.d. Must include onsite support for severity one (1) issues. . LBP SLA on incident and problem management will be observed.		
	8.1.e. Support must always be available and accessible on demand as part of the support and maintenance agreement.		
	8.1.f. 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 backup storage solution with at least five (5) years' experience in backup management and maintenance.		
	8.2.b. Support personnel must be knowledgeable with server, storage, and appliance media zoning.		
	8.2.c. Curriculum vitae of at least three (3) onsite support personnel must be provided in the bidding document.		
8.3. Offline Storage System Activity	8.3.a. Must provide onsite and remote support for backup solution upgrade as part of the support and maintenance agreement.		

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	8.3.b. 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.		
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9. TRAININGS			
a. Training on Storage Management and Use	9.1.a. Proposed backup system solution must include education credits for basic and advance backup system management of the proposed appliance model, for minimum of two (2) backup administrators.		
	9.1.b. Proposed backup system solution must include SKILLS TRANSFER for a minimum of two (2) training days on storage management for at least five (15) backup administrators, technical support and operations personnel.		
	9.1.c. 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"> • Course Title and Description • Learning Objectives • Class Composition • Course Duration • Training Sequence 		
	9.1.d. Trainings from the education credits can be availed within one year on staggered schedules, as this is necessary to avoid operational risks to LBP.		
	9.1.e. The vendor must provide for the necessary training logistics and paraphernalia for the participants' needs with no additional cost to the Bank		

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	<p>9.1.f. 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>		
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10. SERVICES			
a. Basic Delivery Services	10.1.a. Proposed storage system solution must include services such as delivery to site, setup, installation and configuration of all backup system solution hardware and software components.		
	10.1.b. Setup, installation and configuration activities must also include joint inventory of all hardware and software components.		
	10.1.c. Services must include implementation of the storage technology functionalities specified in this document and features that are inherent to the storage system.		
	10.1.d. Services include installation, setup, configuration and customization of the backup system management software for both sites.		
b. Skills Transfer	10.2.a. Must provide skills transfer on the operations of the configured backup system 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"> i. creation and implementation of backup policies ii. creation and implementation of local instant copy (within the local storage system) iii. creation and implementation of backup reports 		

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11. GENERAL AVAILABILITY			
11.1. Product Offering	11.1.a. Proposed storage system solution model should be brand new		
	11.1.b. The storage appliance/solution model /product line should not be more than two (2) years old in the market, 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.		
11.2. Delivery	11.2.a. Must be able to deliver the backup system solution devices and related components within 45 calendar days to both installation sites upon receipt of the Purchase Order		
	11.2.b. Setup of backup system solution must commence in one site starting at the third business day from the date of delivery		

12. REFERENCE			
12.1. Implementation	12.1.a. Must have a similar storage system solution implementation of a minimum of 214 TB or more in at least two organizations, other than Landbank, and is referential.		
	12.1.b. All site references must include certification on the use of the storage product both from the vendor and the end-user.		
	<p>12.1.c. The vendor must provide a certification of satisfactory performance:</p> <p>1. Certification from LANDBANK and another organization that is as big as LANDBANK;</p> <p>2. or if not a current service provider of LANDBANK, the prospective vendor/bidder should submit two (2) certifications with one reference is a bank and another can be an organization from a different industry.</p>		

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 to ensure that the storage system will be able to function properly and according to expectation. 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 sufficient enough to enable the operation of the backup system solution, 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 backup requirements, including those specified in this document. The vendor must size the necessary prerequisites, including backup hardware peripherals to be able to implement the system requirement		
	13.2.b. The vendor must provide for all		

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	cables that are compatible to the existing servers and tape subsystem host adapter protocols.		
	13.2.c. The vendor must also include spare cable provisions for future host upgrade or migration activities.		

14. DOCUMENTATION			
14.1 Configuration, Operation, and Deliverables	14.1.a. The vendor must provide documentation on the backup system solution configuration, which includes but not limited to capacity and performance base lining, zoning and connectivity diagrams of attached hosts to backup appliance—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 documentation on backup operations and must be written in English of durable construction with concise and high quality presentation to include but not limited to the following: <ol style="list-style-type: none"> 1. User Manuals 2. Diagrams 3. Technical / Reference Manuals 4. System / Operation Manuals 5. Troubleshooting and Installation Guides 		
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.		

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	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.		

END of Terms of Reference