

	7.1.f. Must include onsite support for non-incident related issues which includes storage configuration customization, performance and data storage use optimization ; Man days for onsite support must not be less than 50 days per year and part of the support and maintenance agreement		
	7.1.g. Support must always be available and accessible on demand as part of the support and maintenance agreement		
	7.1.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		
7.2. Personnel Qualification	7.2.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		
	7.2.b. Support personnel must also be certified, knowledgeable and experienced on with connectivity and configuration with midrange servers and operating systems mentioned in sections 3.1 and 3.2 of this document		
	7.2.c. Curriculum vitae of at least two (2) onsite support personnel must be provided in the bidding document		
7.3. IT Disaster Recovery Drills	7.3.a. Must provide support for four (4) quarterly annual LBP IT Disaster Recovery Drills		

All  
Revised



	7.3.b. Support must include four (4) man days on data and storage recovery strategy preparation before each disaster drill and onsite support during the drill proper		
	7.3.c. Support for LBI IT Disaster Recovery Drills will form part of the support and maintenance agreement		
7.4. Offline Storage System Activity	7.4.a. Must provide onsite and remote support for host upgrade and migration activities as part of the support and maintenance agreement		
	7.4.b. Must provide onsite and remote support for storage upgrade and data migration activities as part of the support and maintenance agreement		
	7.4.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		
7.5. Onsite Health Check	7.5.a. Must include at least four (4) man days per quarter for storage system health checks which will form part of the support and maintenance agreement		
	7.5.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		
	7.5.c. Storage health check specified man days not fully consumed may be convertible to trainings or education credits		

ALV  
revised



8. TRAININGS			
8.1. Training on Storage Management and Use	8.1.a. Proposed storage system must include education credits for basic and advance storage management of the storage model		
	8.1.b. Proposed storage system must include at least five (5) training days on storage management for storage administrators, technical support and operations personnel		
	8.1.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"> <li>• Course Title and Description</li> <li>• Learning Objectives</li> <li>• Class Composition</li> <li>• Course Duration</li> <li>• Training Sequence</li> </ul>		
	8.1.d. The vendor must provide for the necessary training logistics and paraphernalia for the participants' needs with no additional cost to the Bank (10 personnel)		
9. SERVICES			
9.1. Basic Delivery Services	9.1.a. Proposed storage system must include services such as delivery to site, setup, installation and configuration of all hardware and software components		
	9.1.b. Setup, installation and configuration activities must also include joint inventory of all hardware and software components		
	9.1.c. Services must include performing setup, installation and configuration to host servers or logical partitions		

AB  
revised

	9.1.d. Services must include implementation of the storage technology functionalities specified in this document and features that are inherent to the storage system		
	9.1.e. Proposed storage system must include host and data migration services		
	9.1.f. Storage system must be configured to at least 25 servers or LPARs on a staggered implementation basis		
9.2. Skills Transfer	9.2.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		
	9.2.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>		
<b>10. GENERAL AVAILABILITY</b>			
10.1. Product Offering	10.1.a. Proposed storage model for both sites should be brand new		
	10.1.b. The storage model /product line should not be more than two (2) years old in the market, starting from the date		

A14  
 Revised



	of the pre-bid conference for this requirement		
	10.1.c. The proposed storage model/product should be verifiable via published public documents or thru the product's website		
10.2. Delivery	10.2.a. Must be able to deliver the storage system and related components within 45 calendar days to both installation sites upon receipt of the Purchase Order		
	10.2.b. Setup of storage must commence in one site starting at the third business day from the date of delivery		
<b>11. REFERENCE</b>			
11.1. Implementation	11.1.a. Must have a similar storage implementation of a minimum of 10 TB or more in at least two organizations in the Philippines, and is referential		
	11.1.b. Must have an install base on local and remote data mirroring implementation in at least two organizations, and is currently operational and referential		
	11.1.c. All site references must be certified by the client		
<b>12. OPERATIONAL REQUIREMENTS</b>			
12.1. Site Survey	12.1.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.		

*MIS*  
*Revised*

	12.1.b. The necessary operational requirements will be part of the bidding proposal and must not entail additional cost to the Bank		
	12.1.c. The necessary operational requirements must be sufficient enough to enable the operation of the storage system, without major modifications on the sites' structural design		
	12.1.d. The necessary operational requirements modifications must at least follow the Bank's existing site and structural design		
	12.1.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 and breakers		
12.2. Deployment	12.2.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		
	12.2.b. The vendor must provide for all storage cables that are compatible to the existing CPU and tape subsystem host adapter protocols		
	12.2.c. The vendor must also include spare storage cable provisions for future host upgrade or migration activities		

ADL  
REVISED



13. DOCUMENTATION			
13.1 Configuration, Operation, and Deliverables	13.1.a. The vendor must provide documentation on the storage system configuration, which includes but not limited to capacity and performance base lining, connectivity diagrams of attached hosts to storage—these documentation will serve as additional inputs during health checks, problem determination and issue resolution.		
	13.1.b. The vendor must provide documentation on every deliverable specified in this document to record completion.		
	13.1.c. The vendor must provide 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: <ul 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> </ul>		
13.2 Media and Format	13.2.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		
	13.2.b. All software used for the implementation of the storage system must be provided with installation media		
13.3 Ownership	13.3.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>			

Am  
revised



# Technical Specifications

Item No.	Specification	Statement of Compliance
		<p><b>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.</b></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>
1 2	<p>One Lot Supply, Delivery and Installation of the following:</p> <p>24 Units Blade Server</p> <p>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-17.</p> <p>2. Submission of the following documents inside the eligibility/technical envelope</p> <ul style="list-style-type: none"> <li>List of clients that bidder has implemented Blade</li> </ul>	<p><b>Please state here either "Comply" or "Not Comply"</b></p>



	<p>and Storage set up with virtualization with complete addresses, contact persons and contact numbers</p> <ul style="list-style-type: none"><li>• Names of two (2) certified local engineers in either Vmware or Hyper-V with their corresponding certifications</li><li>• List of local sales and technical office in the Philippines with complete addresses, contact persons and contact numbers</li><li>• Certification issued by the bidder stating that it has five (5) years experience in IT industry</li></ul>	<p><b>Please state here either "Comply" or "Not Comply"</b></p>
--	--	---

**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. List of local sales and technical office in the Philippines with complete addresses, contact persons and contact numbers
11. Certification issued by the bidder stating that it has five (5) years experience in IT industry

**Class "B" Document**

12. 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.
13. Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet);
14. Schedule VI - Schedule of Requirements with signature of bidder's authorized representative.
15. **Revised Section VII - Technical Specifications with response on compliance and signature of bidder's authorized representative.**
16. Duly notarized Omnibus Sworn Statement (sample form - Form No. 6).
17. 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).