



LAND BANK OF THE PHILIPPINES

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BID BULLETIN NO. 1 For ITB No. 2015-3-107

PROJECT : One Lot Supply, Delivery and Installation of Tape Library
at LANDBANK Head Office and Back-up Site

IMPLEMENTOR : Procurement Department

DATE : July 29, 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) The Terms of Reference has been revised. Please see attached revised Annexes A1 to A5.
- 2) The bidders can use the credentials of their respective principals for the Single Largest Completed Contract. ITB Clause 5.4 of the Bid Data Sheet has been revised. Please see attached revised page 39.
- 3) Section VII (Technical Specifications) and Checklist of Bidding Documents have been revised. Please see attached revised pages 71, 72, 89 and 90.
- 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 July 30, 2015 to **August 6, 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

Landbank of the Philippines
TAPE LIBRARY TERMS OF REFERENCE

Objective:

The goal of this document is to define the specific criteria for selecting the supplier of Tape Library 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 Tape Library solution will be used with the implementation of the Bank's backup system.

Note: All requirements are MANDATORY.

Responses to requirements listed should pertain to currently shipping product

	Description	Comply (Y/N)	Remarks
Requirements	The tape library shall come with a minimum of 4 drives, full Height configuration.		
	The proposed libraries minimum sustained drive data transfer rate shall be up to 280 MB/s compressed and 140 MB/s native per LTO-5 Ultrium tape drives;		
	The proposed library must have a minimum of 87 LTO cartridge slots.		
	The tape library must allow for the import/export of up to 54 tapes in a single operation.		
Features	The proposed tape library must support minimally the following tape drive technology at time of tender submission : <ul style="list-style-type: none"> • LTO-3 Ultrium • LTO-4 Ultrium • LTO-4 Ultrium WORM (Write Once Read Many) • LTO-5 Ultrium • LTO-5 Ultrium WORM (Write Once Read Many) • LTO-6 Ultrium 		
	LTO tape drive must support the following interfaces: <ul style="list-style-type: none"> • LVD SCSI • Serial Attached SCSI • Native FC • Storage Networking 4GB FC • Storage Networking 8GB FC • any others (please specify) 		
	LTO drives must be available from at least two vendors to provide investment protection.		
	The tape library must support standard ANSI compliant barcodes and for labelling of the storage media.		
LCD Display Panel	The proposed tape library must be equipped with physical control panel with diagnostic controls, status display and viewing window.		
	The tape library control panel should feature a colour touch screen display for ease of use and clarity.		
	Display must provide at-a-glance status of all components within the library.		
Backups/ Restore	The proposed tape library shall be able to support both scheduled as well as ad-hoc backup and restore requests.		
	Backup operations according to the central backup schedule shall require no manual intervention.		

AI (Revised)

Description		Comply (Y/N)	Remarks
	Proposed tape library must be certified with the current versions of the following backup software: <ul style="list-style-type: none"> • Symantec BackupExec • Symantec NetBackup • Legato Networker • Tivoli TSM • CommVault 		
	Proposed tape library must be certified on the following hardware platforms: <ul style="list-style-type: none"> • Windows NT/2003 (32 bit) • Sun Solaris • HP-UX • AIX • Linux 		
SAN Functionality	The proposed tape library shall support NDMP (Network Data Management Protocol)		
	The completed backup media produced by the tape library shall be able to be read and recovered by all available tape drives that support the backup format used to carry out the backup operations.		
	The proposed library must feature enhanced SAN security that will limit access from specified servers to specific target elements within the library. This should be independent and on top of SAN Zoning.		
Management	Proposed library must support SMI-S 1.2 device management standard natively		
	Proposed tape library must support an embedded remote management for management using a browser-based GUI		
	Proposed tape library should support administrator alerts via <ul style="list-style-type: none"> • SNMP • SMI-S and • E-Mail 		
	Systems to be monitored should include but are not limited to: <ul style="list-style-type: none"> • Drives • Power • Connectivity • Cooling • Robotics • Control 		
	Proposed library should gather data statistics including that of volume of data read, capacity, tape history and media history		
	Able to do policy tape based scanning to check media integrity within the library		
	Able to do a report on the list of failing media		
	Proposed library must natively, i.e. without the use of external servers, support active automated media checking to verify the integrity of tape media.		
	Automated Media checking must automatically alert the administrator of suspect media via e-mail		
	Automated Media checking must run in the background and not affect operations		

A2 (Revised)

Description		Comply (Y/N)	Remarks
	Automated Media checking must feature up to multiple modes of scanning which include: 1. Quick Scan, just check cartridges memory – a couple secs 2. Normal Scan, check memory and outer tracts of the cartridge – 20 minutes 3. Third scan (full scan), check memory and scan every pieces of data in the tape – fully loaded LTO 5 make take 3 hours		
	Automated Media checking must be natively, without the use of an external server, policy based		
	Automated Media checking must use dedicated scanning drives so as not to interfere with operations		
	Automated Media checking must provide an option to integrate with HSM software		
	Proposed library should natively, i.e. without the use of additional server hardware, provide reporting functionality with details on - Drive Usage - Media encryption status - Media Conditions (error counts per cartridge, number of mounts etc.)		
	Management tools should be able to monitor all subsystems within the library (drives, library, connectivity, power etc.) in a single interface		
	Library must provide media, drive and security reports to improve understanding of library utilization and performance. Automated report scheduling must be sent out to admin's email.		
	Proposed library must support enterprise wide key management appliances for AES encryption on all LTO4 or LTO5 drives		
	Proposed library should pro-actively pre-alert the user prior to tape media and/or hardware failure		
Encryption	Proposed tape library must support in-band encryption key management from the backup software		
	Proposed tape library must support out-of-band encryption key management from an external key management appliance		
Automation	Support automatic tape inventory with built-in label scanning capability.		
	Supports self configuration for the quantity and type of drives, slots and media.		
	Continuous automatic calibration with no periodic maintenance or alignment required.		
	The proposed Library shall be equipped with a robotic sub-system that are equipped with (but not limited to) : • Support automatic cells, drives and cartridge access port calibration; • Ability to scan and read ISO bar codes on the tape media or cartridges • Ability to perform drive(s) cleaning by library or software initiation or automatically; • Ability to support both attended and unattended backup and recovery operations;		

AB (Revised)

Description		Comply (Y/N)	Remarks
Expandability	The proposed library shall be equipped in a modular architecture that allow the users to expand the backup capacity easily and without the need to revise the tape library architecture or design and without requiring additional robotics.		
	The proposed library should feature "Capacity On Demand" that will allow for additional slots to be licensed and unlocked with an authorization key		
	The library must be able to scale to support more than 400 LTO cartridge slots.		
	The library must be able to scale to support a minimum of 18 LTO drives.		
	The library must scale without any additional robotics and without the use of pass-through ports		
Partitioning	Proposed tape library shall support the logical partitioning of tape library natively into no less than 16 logically separated libraries without the use of any additional hardware or servers.		
	Each of this logical partition must be able to connect to a different server of a different operating platform, running a different backup software, if so desired.		
Reliability	The proposed tape library must be equipped with full capability in terms of Reliability, Availability and Serviceability (RAS).		
	Proposed tape library must provide automatic firmware revision leveling of newly added/replaced tape drives to ensure that all devices are of the same firmware revision level to minimize potential support conflicts.		
	The proposed tape library must be equipped with full range of redundancy for major components.		
	Following items must be fully hot swappable: • Drive • Fans • Power Supply		
	Proposed tape library should be able to provide component level fault isolation.		
	To minimize impact of tape drive replacements on the infrastructure, all tape drives must present a consistent pre-defined logical WWN regardless of the device WWN		
	To minimize impact of tape drive replacements on the infrastructure, all tape drives must present a consistent pre-defined logical serial number regardless of the device serial number		
	The MSBF (Mean Swap Before Failure) of the proposed tape library should be at least 2,000,000 with one swap defined as - pickup up a tape, moving to another location within the library, placing the tape in that location.		
	The Mean Time To Repair (MTTR) of the proposed tape library should be less than 30 minutes.		
	Proposed Tape Library must be able to monitor and pre-emptively alert of potential failure of components		
Interface	The proposed tape library shall be connected directly to the SAN via a fabric switch and shall require no more than 5 ports on the switch.		

A4 (Revised)

Description		Comply (Y/N)	Remarks
	The vendor shall provide an option to ensure that links between the tape library and SAN is fault tolerant with automatic failover of data paths.		
	The proposed library should allow for automatic failover of: - robotic control path - Data Path		
	Automatic failover must be transparent and must not affect any ongoing backup jobs.		
Other	The vendor must provide all power outlets for the proposed system (e.g. Twist Lock, electricals) from the 16th floor power distribution.		
	The vendor must provide all the necessary cables for both sites for the system to be fully operational.		
	The vendor or its principal should have implemented at least 5 Tape Library of the same brand and model. (Contact person should be submitted)		
	The vendor must provide manufacturer certification that proposed Tape Libraries are cross-enrolled and with Service Level Support of 24 x 7		
	The vendor must have at least 5 years IT Industry experience		
	Automatic failover must be transparent and must not affect any ongoing backup jobs.		
	The vendor must provide technical training for at least five (5) Bank personnel.		
	The vendor must provide 3 years warranty on parts and labor, which includes installation and configurations.		

AS (Revised)

Bid Data Sheet

ITB Clause	
1.1	The Procuring Entity is LAND BANK OF THE PHILIPPINES (LANDBANK).
1.2	<p>The lot and reference is:</p> <p>One Lot Supply, Delivery and Installation of Tape Library at LANDBANK Head Office and Back-up Site</p> <p>ITB No. 2015-3-107</p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GOP) through the Corporate Budget for the contract approved by the LANDBANK Board of Directors for 2015 in the total amount of Nine Million Five Hundred Seventy Nine Thousand Pesos Only (P9,579,000.00).</p> <p>Project:</p> <p>One Lot Supply, Delivery and Installation of Tape Library at LANDBANK Head Office and Back-up Site</p>
3.1	No further instructions.
5.1	No further instructions.
5.2	Foreign bidders, falling under ITB Clause 5.2 (b) and/or doing business in the Philippines may participate in this Project.
5.4	<p>The Bidder must have completed, within the period specified in the Invitation to Bid and ITB Clause 12.1(a)(iv), a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC. The bidders can use the credentials of their respective principals for the Single Largest Completed Contract.</p> <p>Bidder must submit proof of their completed largest single contract. Proofs shall be:</p> <ul style="list-style-type: none"> • Copy of the contract or purchase order; or • Copy of official receipt or certification from bidder's client that items have been satisfactorily delivered/accepted. <p>For this purpose, similar contracts shall refer to Tape Library projects.</p>
7	No further instructions.
8.1	Subcontracting is not allowed.

Technical Specifications

QTY	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 Tape Library at LANDBANK Head Office and Back-up Site One</p> <p>Other Requirements:</p> <ol style="list-style-type: none"> Compliance to the Terms of Reference – Revised Annexes A1 to A5 Submission of the following documents inside the eligibility / technical envelope <ul style="list-style-type: none"> Certification issued by the bidder stating that it has at least five (5) years experience in IT industry. List of clients (at least 5) that bidder or its principal company has implemented 	<p>Please state here either "Comply" or "Not Comply"</p>

	<p>Tape Library of the same brand and model with complete addresses, contact persons and contact numbers.</p> <ul style="list-style-type: none">• Manufacturer's Certification stating that the proposed Tape Libraries are cross-enrolled and with Service Level Support of 24 x 7• Revised Terms of Reference with responses to Bank's requirements (Annexes A1 to A5).	<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

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 Certification issued by the bidder stating that it has at least five (5) years experience in IT industry.
- 3.i **List of clients (at least 5) that bidder or its principal company has implemented Tape Library of the same brand and model with complete addresses, contact persons and contact numbers.**
- 3.j **Manufacturer's Certification stating that the proposed Tape Libraries are cross-enrolled and with Service Level Support of 24 x 7**
- 3.k **Revised Terms of Reference with responses to Bank's requirements (Annexes A1 to A5).**
- 3.l 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.
- 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 - Technical Specifications with response on compliance and signature of bidder's authorized representative.**

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)