



SERVING  
THE NATION

**SUPPLEMENTAL/BID BULLETIN NO. 1  
For LBP-HOBAC-ITB-GS-20220418-01**

**PROJECT** : Enterprise Tape Libraries for LANDBANK Head Office and  
Disaster Recovery Sites

**IMPLEMENTOR** : HOBAC Secretariat

**DATE** : June 15, 2022

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

Modifications, amendments and/or clarifications:

- 1) The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) The Terms of Reference (Annexes D-1 to D-5 & E), Bid Data Sheet (ITB Clause 5.3 of Section III), Schedule of Requirements (Section VI), Technical Specifications (Section VII) and Checklist of the Bidding Documents (Items 11 & 12, Item 14 of Other Documents to Support Compliance with Technical Specifications and Item 3 of Financial Component) have been revised. Please see attached revised Annexes D-1 to D-5 & E and specific sections of the Bidding Documents.

  
**ATTY. HONORIO T. DIAZ, JR.**  
Head, HOBAC Secretariat



## Bid Data Sheet

ITB Clause	
5.3	<p>In view of the determination by LANDBANK that the imposition of the provisions of Section 23.4.1 of IRR of RA 9184 will likely result to failure of bidding/monopoly that will defeat the purpose of public bidding, the Bidder should comply with the following requirements:</p> <ul style="list-style-type: none"><li>a. The Bidder must have completed a contract that is similar to this Project, the value of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC of this Project.</li><li style="text-align: center;">or</li><li>b. The Bidder must have completed at least two (2) contracts similar to this Project, the aggregate amount of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC for this Project, and the largest of these similar contracts must be equivalent to at least twenty five percent (25%) of the ABC for this Project.</li></ul> <p>A contract shall be considered similar to this Project if it involves supply and delivery of Information Technology hardware and software. Moreover, it must have been completed within five (5) years prior to the deadline for the submission and receipt of bids.</p>
7	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP specified delivery site/s or the applicable International Commercial Terms (INCOTERMS) for this Project.

## Schedule of Requirements

The delivery schedule/contract period expressed as weeks/months/years stipulates hereafter a delivery/performance period which is the period within which to deliver the goods or perform the services in the project site/s.

Item Number	Description	Quantity	Delivered, Weeks/Months
1	Enterprise Tape Libraries for LANDBANK Head Office and Disaster Recovery Sites	1 Lot	<b>Sixty (60) calendar days</b> upon receipt of Notice to Proceed.

**Delivery Site:**

Network Operations Department (NOD)  
 LANDBANK Plaza Building  
 1598 M.H. del Pilar corner Dr. J. Quintos Streets, Malate, Manila

**Contact Person:**

Enrique L. Sazon, Jr.  
 Vice President  
 Head, LANDBANK NOD

**Contact Nos.:**

8-522-0000 local 7600

**Conforme:**

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

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

\_\_\_\_\_  
 Position



# Technical Specifications

<p style="text-align: center;"><b>Specifications</b></p>	<p style="text-align: center;"><b>Statement of Compliance</b></p> <p><b>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each Specification preferably stating the corresponding performance parameter of the product 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 applicable laws and issuances.</p>
<p><b>Enterprise Tape Libraries for LANDBANK Head Office and Disaster Recovery Sites</b></p> <p><b>1. Minimum technical specifications and other requirements per attached Revised Terms of Reference (Annexes D-1 to D-5)</b></p> <p>2. The documentary requirements enumerated in Item L (Vendor Requirements) of the <b>Revised Terms of Reference</b> shall be submitted in Eligibility and Technical Component to support the compliance of the Bid to the technical specifications and other requirements.</p> <p>Non-submission of the above documents may result in the post-disqualification of the bidder.</p>	<p style="text-align: center;"><b>Please state here either “Comply” or “Not Comply”</b></p>

**Conforme:**

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Name of Bidder

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Signature over Printed Name of  
Authorized Representative

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Position



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

The documents for each component should be arranged as per this Checklist. Kindly provide guides or dividers with appropriate labels.

### Eligibility and Technical Components (PDF File)

- *The Eligibility and Technical Component shall contain documents sequentially arranged as follows:*

- **Eligibility Documents – Class “A”**

#### Legal Eligibility Documents

1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

#### Technical Eligibility Documents

2. 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 or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder. (sample form - Form No. 7).
3. 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 last five (5) years from the date of submission and receipt of bids. The statement shall include all information required in the sample form (Form No. 3).
4. Statement of the prospective bidder identifying its Single Largest Completed Contract (SLCC) similar 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 sample form (Form No. 4).

#### Financial Eligibility Documents

5. 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.

6. The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

○ **Eligibility Documents – Class “B”**

7. Duly signed 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 its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.
8. For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos, Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
9. Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

○ **Technical Documents**

10. Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
11. **Section VI – Schedule of Requirements with signature of bidder's authorized representative.**
12. **Section VII – Specifications with response on compliance and signature of bidder's authorized representative.**
13. Duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6).

**Note: During the opening of the first bid envelopes (Eligibility and Technical Component), only the above documents will be checked by the BAC if they**



*are all present using a non-discretionary "pass/fail" criterion to determine each bidder's compliance with the documents required to be submitted for eligibility and the technical requirements.*

- **Other Documents to Support Compliance with Technical Specifications [must be submitted inside the first bid envelope (Eligibility and Technical Component)]**
  14. **Duly filled-out Revised Terms of Reference signed in all pages by the authorized representative/s of the bidder.**
  15. Certificate of Registration from the Securities and Exchange Commission as proof that bidder has at least five (5) years existence in the IT industry.
  16. Manufacturer's authorization confirming that the bidder is authorized to provide the products supplied by the manufacturer, including any warranty obligations and after sales support as may be required (sample form - Form No.9).
  17. Certificate of Employment and Resume/Curriculum Vitae of at least two (2) local Information Technology support engineers.
  18. Valid Certification as proof that supplier is ISO QMS and ISMS compliant.
  19. Certification that supplier have at least three (3) ITIL Certified personnel.
  20. Detailed Escalation Procedure and Support including contact numbers and email addresses.
- **Post-Qualification Documents/Requirements – [The bidder may submit the following documents/requirements within five (5) calendar days after receipt of Notice of Post-Qualification]:**
  21. 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 EFPS.
  22. Latest Income Tax Return filed manually or through EFPS.
  23. Original copy of Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
  24. Original copy of duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6).



25. Duly notarized Secretary's Certificate designating the authorized signatory in the Contract Agreement if the same is other than the bidder's authorized signatory in the bidding (sample form – Form No. 7).

**Financial Component (PDF File)**

- ***The Financial Component shall contain documents sequentially arranged as follows:***
  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).
  3. Duly filled out Revised Bill of Quantities Form signed by the bidder's authorized representative (Annex E)

***Note: The forms attached to the Bidding Documents may be reproduced or reformatted provided the information required in the original forms and other requirements like signatures, if applicable, are complied with in the submittal.***

TERMS OF REFERENCE  
ENTERPRISE TAPE LIBRARIES AT THE HEAD OFFICE AND DR SITES WITH  
3 YEARS WARRANTY

TECHNICAL REQUIREMENTS	Vendor Compliance
<p><b>1. DELIVERY OF THE FOLLOWING:</b></p> <p><i>For Head Office (HO)</i></p> <ul style="list-style-type: none"> <li>1x Enterprise Tape Library</li> <li>3x LTO-7 Tape Drive Module, Full Height, 8Gb native Fibre Channel, Dual Port</li> <li>1x LTO-8 Tape Drive Module, Full Height, 8Gb Native Fibre Channel, Dual Port</li> <li>1x LTO-8 EDLM Scanning Tape Drive</li> <li>150x Licensed slots</li> <li>20x Data cartridge, LTO Ultrium 7</li> <li>20x Data cartridge, LTO Ultrium 8</li> <li>5x Cleaning cartridge, LTO Ultrium Universal</li> <li>1x Advanced Reporting License</li> <li>4x Fibre Channel Interface Cable, OM3 Optical Multi-Mode 50 Micron, LC-to-LC 98Ft (30m)</li> <li>100x Data Cartridge Bar Code Labels LTO 7 – customized sequence</li> <li>100x Data Cartridge Bar Code Labels LTO 8 – customized sequence</li> </ul> <p><i>For DR Site (DR)</i></p> <ul style="list-style-type: none"> <li>1x Enterprise Tape Library</li> <li>1x LTO-7 Tape Drive Module, Full Height, 8Gb native Fibre Channel, Dual Port</li> <li>1x LTO-8 Tape Drive Module, Full Height, 8Gb Native Fibre Channel, Dual Port</li> <li>50x Licensed slots</li> <li>4x Fibre Channel Interface Cable, OM3 Optical Multi-Mode 50 Micron, LC-to-LC 98Ft (30m)</li> </ul> <p>-----</p> <p><b>Specifications:</b></p> <p><b>1. Tape Library for End-To-End Backup and Business Continuity Solution</b></p> <p><b>a. Requirements</b></p> <ul style="list-style-type: none"> <li>▪ The proposed libraries minimum sustained drive data transfer rate shall be up to 750 MB/s compressed and 300 MB/s native per LTO-7 Ultrium tape drive</li> <li>▪ The proposed libraries should have full-height LTO-7 and LTO-8 tape drives</li> <li>▪ The tape library must allow for the import/export of 0 to 50 slots in 5-slot increments for every module</li> </ul> <p><b>b. Features</b></p> <ul style="list-style-type: none"> <li>▪ The Proposed tape library must support at the minimum the following tape drive technology at time of tender submission:               <ul style="list-style-type: none"> <li>▪ LTO-7 Ultrium</li> <li>▪ LTO-8 Ultrium</li> </ul> </li> <li>▪ LTO tape drive must support the Native Storage Networking 8 Gb FC</li> <li>▪ The tape library must support standard ANSI compliant barcodes and for labelling of the storage media</li> <li>▪ Must have an optional capability to vault archive tapes inside the library</li> <li>▪ Must have a native tape scanning feature/capability and a dedicated drive to ensure media health reports of cartridges stored for long term archive and DR.</li> </ul>	<p><b>(Yes/No)</b></p>



This feature must have an automated and manual scheduling for scanning tapes notifications on test results and policy-based data migration to new cartridges

- Must have media, drive and security reports on utilization and performance. Must have an automated report scheduling and distribution save time

**c. 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 touch- screen display for ease of use
- Display must provide at-a-glance status of all components within the library
- The proposed tape library shall also allow the operator to select any sets of tapes to be mounted/un-mounted via the console

**d. Backups and 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
- Proposed tape library must be at least certified on the following hardware platforms:
  - Windows 2012/2016 (64 bit) or later
  - Linux (Redhat or SUSE) or later

**e. SAN Functionally**

- The proposed tape library shall support NDMP (Network Data Management Protocol)
- The proposed tape library shall transparently support error recovery in the data stream using industry standard FC Tape error correction
- The proposed tape library shall optimize drive usage by pre-fetching data to be written. This should be in addition to any buffers that may be on tape drives proposed
- The proposed tape library shall proactively verify the integrity of the data path from any device or host to the library at user specified intervals throughout the day
- 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 shall 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
- The proposed library shall have advanced features of "Control Path Failover" that seamlessly work around control path drive failures, providing improved library uptime and high availability. If the "primary" control path drive goes down, the library can seamlessly failover control path commands to a secondary control path drive, ensuring that control path commands don't get interrupted by a drive failure
- The proposed library shall have advanced features of "Data Path Failover" that will improve library uptime and high availability. It should take advantage of the



build in dual Fibre Channel ports on LTO-8 drive. This feature enables LTO-8 drive sleds to failover from the primary Fibre Channel port to the secondary Fibre Channel port if degraded Fibre Channel connectivity is detected on the primary Fibre Channel port.

**f. Management**

- Must support remote management over the LAN
- Management tools should be able to monitor all subsystem within the library (drives, library, connectivity, power etc.) in a single interface
- Remote management should be able to perform the full range of operation as is available from the operator console
- Proposed tape library should support administrator alerts via:
  - SNMP and
  - E-Mail
- Systems to be monitored should include but are not limited to:
  - Drives
  - Power
  - Connectivity
  - Cooling
  - Robotics
  - Control
- Proposed library should provide reporting functionality with details on:
  - Drive usage
  - Drive utilization
  - Media Conditions (error counts per cartridge, number of mounts etc.)
  - Media security
  - Media integrity analysis
- Proposed library should pro-actively pre-alert the user prior to tape media and/or hardware failure
- Proposed library must be able to provide information as to which tape cartridge was removed either expectedly (properly exported) or removed unexpectedly (removed during open door condition or while library was powered off) to assist administrators with tape cartridge inventory verifications.

**g. 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 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



**h. 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 keys without requiring the new purchases (hardware or software) beyond an authorization key.
- If the slots are purchased beyond the existing equipment, additional modules/frames can be added as upgrades
- Additional slots should be licensed in increments of 25 slots
- The proposed tape library MUST be able to support future tape drive technology without changing the tape library;
- The library must be able to scale to support a minimum 800 LTO slots.
- The library must be able to scale to support a minimum of 24 LTO drives, with the capability to mix LTO-7 and LTO-8 drives within the same library.
- The library must scale without any additional robotics and without the use of pass-through ports
- Additional tape drives must be able to be added into the proposed tape library easily without the need to reconfigure or upgrade the system architecture of the proposed tape library.

**i. Partitioning**

- Proposed tape library shall support the logical partitioning of tape library into no less than 15 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.

**j. Reliability**

- The proposed tape library must be equipped with full capability in terms if Reliability, Availability and Serviceability (RAS)
- Proposed tape library must provide automatic firmware revision leveling to ensure that all devices, including newly added devices, are of the same firmware revision level to minimize potential support conflicts. Components to be covered should include:
  - Tape Drives
  - Drive Enclosure
  - SAN Connectivity Interface
- The proposed tape library must be equipped with full range of redundancy for major components.
- The proposed tape library must be equipped with proactive polling of system health must be implemented during warranty and maintenance period.
- Following items must be fully hot swappable:
  - Drive
  - Fans
  - Power Supply
- Proposed library must support dual redundant (please indicate if optional):
  - AC Line Input



▪ DC Power Supply

- Proposed tape library should be able to provide component level fault isolation.
- Without exception, loss of any single power supply within the library must not result in loss of any functionality of the robotics or drives in the proposed library.
- Drive replacements must be transparent to the storage infrastructure and must not require the restarting/reconfiguration of the library, attached servers, fabric devices or backup software.
- The MSBF (Mean Swap Before Failure) of the proposed 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 library should be 30 minutes.
- Proposed Tape Library must be able to monitor and pre-emptively alert of potential failure of components.
- Thresholds for alerts should be user definable for maximum flexibility and pre-emptive failure alerting.

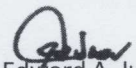
**k. Interface**

- The proposed tape library shall have full Fibre Channel platforms for SAN connectivity without using SCSI to Fibre conversion board or router devices.
- The supplier shall propose all necessary components, such as cables, bridges and host bus adapters, to connect the tape library to the proposed SAN.

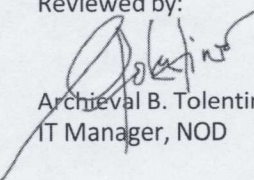
**l. Vendor Requirements**

- The supplier must have at least five (5) years of existence in the IT industry. Information should be based from SEC (Security and Exchange Commission) Incorporation information, that the vendor is at least five (5) years. SEC certification must be submitted.
- The supplier must be an authorized reseller/distributor of the brand being offered. Must submit Certification from Distributor or Principal.
- The supplier must have at least two (2) local Information Technology support engineers to support the installation, configurations and 24x7 uptime services within the warranty period. Must submit Certificate of Employment and Resume/Curriculum Vitae.
- The supplier must be a compliant of ISO QMS and ISMS. (ISO 9001, ISO 27001). Must submit a valid certification.
- The supplier must have at least three (3) ITIL Certified personnel. Must submit the certification.
- The supplier must have a local helpdesk to provide 24x7 technical assistance. Must provide detailed escalation procedure and support including contact numbers and email addresses. On-site support must have a response time of not more than 4 hours from the time of the call, in cases when phone support could not solve the problem.
- Delivery of the equipment shall be within 60 days upon receipt of Notice to Proceed by the winning bidder.
- Warranty Period: Three Years Warranty with 24x7x4 Support Services

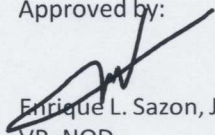
Prepared by:

  
Edward A. Juan  
ITC, NOD LAN

Reviewed by:

  
Archieval B. Tolentino  
IT Manager, NOD

Approved by:

  
Enrique L. Sazon, Jr.  
VP, NOD



BILL OF QUANTITIES FORM  
PROJECT:

ENTERPRISE TAPE LIBRARIES FOR HEAD OFFICE AND DR SITE

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
<i>FOR HEAD OFFICE:</i>					
1	ENTERPRISE TAPE LIBRARY	1			
2	LTO-7 TAPE DRIVE MODULE	3			
3	LTO-8 TAPE DRIVE MODULE	1			
4	LTO-8 EDLM SCANNING TAPE DRIVE	1			
5	LICENSED SLOTS	150			
6	DATA CARTRIDGE, LTO 7	20			
7	DATA CARTRIDGE, LTO 8	20			
8	CLEANING CARTRIDGE, LTO ULTRIUM UNIVERSAL	5			
9	ADVANCED REPORTING LICENSE	1			
10	DATA CARTRIDGE BAR CODE LABELS, LTO 7	100			
11	DATA CARTRIDGE BAR CODE LABELS, LTO 8	100			
12	FIBER CHANNEL INTERFACE CABLE (30M)	4			
<i>FOR DR SITE:</i>					
13	ENTERPRISE TAPE LIBRARY	1			
14	LTO-7 TAPE DRIVE MODULE	1			
15	LTO-8 TAPE DRIVE MODULE	1			
16	LICENSED SLOTS	50			
17	FIBER CHANNEL INTERFACE CABLE (30M)	2			
18	* WITH IMPLEM & SUPPORT SERVICES FOR THREE YEARS	1 LOT			
<i>Total Cost inclusive of VAT:</i>					

Note: The Supplier shall fill in rates and prices for all items of the Bill of Quantities. Quotations not addressing or providing all of the required items in the Bill of Quantities shall be considered non-responsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a "0" (zero) for the said item would mean that it is being offered for free.


Submitted by:

Supplier

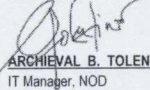
Printed Name of Authorized Representative with Signature

Date

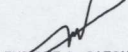
Prepared by:

  
EDWARD A. JUAN  
ITO, LAN Team

Reviewed by:

  
ARCHIEVAL B. TOLENTINO  
IT Manager, NOD

Approved by:

  
ENRIQUE L. SAZON, JR.  
VP, NOD