بسم الله الرحمن الرحيم

DEPARTMENT OF NATIONAL REGISTRATION

REQUEST FOR PROPOSAL
RFP 2019-07
(IUL)133-AS/133/2019/21

Announcement Date
06- October-2019
Pre-Bid Meeting
10- October-2019
(13:15)
Proposal Submittal Due Date
17- October-2019
(13:15)

To
Department of National Registration
Velaanaage, 4th Floor
Ameer Ahmed Magu
Male'

RFP 2019-07

Definitions

RFP	Request for Proposal
DNR	Department of National Registration

Introduction

The Department of National Registration (DNR) intends to purchase hardware equipment's specified in this RFP. This RFP is not an offer to purchase but is a request to receive proposals.

DNR reserves the right to accept or reject any or all responses, as well as the right to negotiate with one or more, or none of the responding vendors. Omissions, alterations, or irregularities of any kind shall constitute sufficient cause for rejection of a proposal. DNR reserves the right to advertise for new proposals if, in its judgment, the best interests of the department will be served.

It is the responsibility of each vendor to be aware of, and comply with, all relevant laws. All proposals submitted will be properties of DNR and is not, and will not be, responsible for any costs incurred by the vendor in preparations of the proposal.

- **Bidders are required to direct all the questions to:**
  Information Communication Technology Section (ICT)
  Email: ict@dnr.gov.mv

1. Price Schedule Form specification

- Unit price should be identifiable
- GST value should be specified
- Total price should be specified

Sample:

#	Description	Qty	Rate (MVR)	Amount (MVR)
1	**Supply, Installation, and Configuration of Backup equipment's and Application**	1 Nos		
2	**VMware Licencing**	1 Nos		
			Sub Total	
			6% GST	
			Grand Total (MVR) Including GST	

Delivery Period: _____

** Bidder shall provide cost information by completing the table above indicating the estimated amount of time and cost of completing the project:*

Scope of Work

Lot 1

Storage Area Network x 1 (Equivalent or better configuration)		Y or N
Main Storage Specifications	Should provide Dual Active - Active controllers	
	The Proposed Solution should support Online Microcode / OS Upgrades.	
	Array should be configured with minimum 8GB DRAM Cache or higher.	
	Read Cache should be able to extend at least to 4TB using SSD drive pool	
	Storage must support Auto Tiering with at least 3 Main Tiers	
	Storage should support self-healing of disk groups in order to minimize rebuild times	
	Proposed storage should come with all Dual Redundant and hot-pluggable components.	
	Should support Raid 1, 5, 6, 10 and 50	
	Should support Global Hot-Spare drives to better utilize storage resources	
Host Connectivity	Should Include following Host Connectivity;	
	Minimum 2 x 10GbE SFP+ Ports	
	Minimum 2 x 16Gb/s FC SFP+	
	Storage should have the ability to change the 1/10Gb/s iSCSI IO module to 8/16/Gb/s FC IO Module when required just by a module swap.	
	Should support Following Host Ports; a. 8Gb/s FC ,b. 16Gb/s FC,c. 12Gb SAS	
Hard Disk Configured	17 x 1.2TB 10K SAS, 2.5” Hotplug Drives.	
	7 x 960 GB SSD SAS, 2.5” Hotplug Drives.	
Accessories	4 x 16Gb/s FC Transceivers	
	4 x LC to LC Multi Mode FC Patch codes	
	4 x 16Gb SR Fibre Channel SFP Transceiver (for Cisco MDS 9148S 16G)	
Warranty	Minimum 3 years Parts / 3 Years Service	
Backup Software		
Licensing	6 x Sockets / 3 Esxi Host Servers with 3 Years Support Subscription (Perpetual License)	
Data Protection and Recovery in the cloud	Software should be able to restore VMs to a cloud service provider like AWS or Azure directly from the backup copy.	
	Software should be able to extend the backup repository to a public cloud service provider by moving older files to S3 / S3 Compatible or Azure BLOB repositories.	
	Backup software should be an image level backup software supporting popular hypervisors like VMware and Hyper-V Virtual Environments. Provide Block level Incremental and Differential Backup and support Incremental and Differential Imaging.	
	Backup software should support agentless backups of applications reisding in VMs like SQL, Exchange, SharePoint, Oracle, etc. with non-staged granular recovery of all these applications. It should support crash consistent VM level backup for all other workloads. Backup software should support SAP HANA backup integrated with HANA Studio	

Backup support for hypervisors and Applications	Backup software should be a Hardware Agnostic software and it should support snapshot integration with hypervisors like VMware, Hyper-V and Nutanix and support de-duplication on the storage targets quoted. It should be able to backup data to tapes (like LTO) as well for long term retention.	
	Backup software should support file level recovery from any backup of any VM or physical server. It should support a full system recovery in case of a system crash, either on a physical system or as a virtual machine.	
	Backup software should have integrated data de-duplication engine with multi-vendor storage support to save space by storing de-duplicated copies of data. The de-duplication engine should also facilitate IP base replication of de-dupe data. All necessary hardware and software required to support this functionality should be supplied along with other components	
	Backup software should provide best RTOs and RPOs through booting of Virtual Machines directly from the Backup to reduce the downtime.	
	Backup software should provide Recovery of Application Items, File, Folder and Complete VM recovery capabilities from the image level backup within 15Mins RTO.	
Disaster Recovery Capabilities	Replication in the software should be a VM level replication and must replicate the VM level data with or without backing it up at the source site. It should also include failover and failback capabilities and should be able to perform automatic acquisition of network addresses at the destination site.	
	Backup and replication software must deliver maximum investment protection by supporting replication of workloads between dis-similar systems like hyper converged infrastructure to stand alone servers and storage running similar hypervisors across sites, thereby creating a Disaster recovery environment for production qworkloads irrespective of the underlying hardware.	
Installation, Configuring	- Installation and configuration of Storage and initialization, RAID configuration, iSCSI connectivity installation - Installation and configuration of Backup application - Installation and configuration of server virtualization infrastructure including presenting storage to VM and setting up of high available environment.	
Training	2 packs training	

Lot 2

VMware	VMware vSphere 6 Standard for 1 processor with Production Support/Subscription VMware vSphere 6 Standard for 1 processor for 1 years	
	VMware vCenter Server 6 Standard for vSphere 6 (Per Instance) with Production Support/Subscription VMware vCenter Server 6 Standard for vSphere 6 (Per Instance) for 1 year	
Training	2 packs training	

The scope of work includes:

- On-the-Job Training by implementing engineer during the installation process for Storage Infrastructure and Backup Server Application
- Should configure and present the storage to the existing VM Server Virtualization Infrastructure.
- Should configure and assist in backup Application configuration and policy making as per best practice

2. Evaluation Criteria

Criteria	Marks
Price with GST	60%
Delivery	25%
Technical Qualification	10%
Experience	15%

2.1. Price:

3.1.1 Each bidder's price is used to identify their relative position on a 0 – 60 price scale. This is done by allocating the lowest priced bid 60 points and calculating the remaining bidder's score in relation to this scale.

3.1.2 Price percentage = 60 x (lowest price / bid price)

3.2 Delivery:

3.2.1 Each bidder's Delivery is used to identify their relative position on a 0 – 25 price scale. This is done by allocating the lowest Delivery bid 25 points and calculating the remaining bidder's score in relation to this scale.

3.2.2 Delivery percentage = 25 x (Lowest Delivery / Bid Delivery)

3.2.3 Maximum delivery period shall be 30 days from the date of confirmation

3.3 Technical:

3.3.1 A total of 10 points is allocated for Technical Qualification. Each trained staff with the bidder organization will be awarded 5 points with a maximum of 10 points. All of the below information must be provided for a person to be considered as a trained staff.

a. Certificate copy of the relevant training
b. Letter from organization stating that the staff is employed at that organization

3.4 Experience

3.4.1 A total of 15 points is allocated for Proof of supply of same brand hardware to other organizations within last 3 years. (Bidder should submit purchase orders and letter from user organization mentioning successful implementation.) for each successful implementation 5 points will be awarded with a maximum of 15 points.

4. How bid document will be deemed invalid or disqualified

4.1 Department of National Registration shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected or deemed Invalid at evaluation stage.

4.1.1 Company Registration

4.1.2 Price Schedule Form specification

4.1.3 GST Registration

4.1.4 Scope of work

4.1.5 One-day delivery will be deemed as invalid hence it is not possible unless there is an affiliation which will lead to corruption.

Additional Information

1. All certificate copies and reference letters will be verified by contacting the relevant parties. Therefore please provide contact information with certificate copies and reference letters.
2. All documents must be printed on one side.
3. Unless otherwise specified, the Bidder shall quote entirely in Maldivian Rufiyaa.

Notes:

1. If all goods and services are not supplied during the committed delivery period in the contract, Department of National Registration reserves the right not to accept the goods and annul the contract.