

The Scope of the proposal comprises of the following.

DELLEMC VxRail 4 Node Cluster for Primary DC and Disaster Recovery Site for Maldives Immigration

1.1. LOT 1 - DELLEMC VXRAIL E660 4 HCI Node Cluster x 2

Type	Hyper Converged Infrastructure (HCI) Servers x 4
Nodes	DELL VxRail E660 Hybrid
HCI Node Details	Hyper Converged Infrastructure (HCI) Servers 4 (Four) Nodes x 2
Form Factor	1U Form Factor Nodes
Processor	Intel® Xeon® Gold 6330 2G, 28C/56T, 11.2GT/s, 42M Cache, Turbo, HT (205W) DDR4-2933
Memory	512GB DDR4 Per Node (Total 2TB in a Cluster)
Storage	RAID Storage Controller Support with RAID 0,1,5,6 and 10 per Node and Supports Virtual Storage Technology
	RAID 5 (6 x 2.4TB 10K RPM Hot- Plug SAS Drives for each Node SSD Storage Cache 2 x 400GB Drives for Each Node
Connectivity	4 x 10Gb/s SFP+ Connector with 10Gb/S Transceivers per Node all required Cables SFP's should be included
HCI Software Stack Solution should be 100% Based on VMware	
Hypervisor License	vSphere Enterprise Plus License for 8 Sockets Included in Proposed Solution VMware VSAN Technology
Software Defined Storage	VMware VSAN Technology
VxRail Software	Required VxRail Software's (all Software should be Licensed with 3 Years Production Support Subscription)
Replicate	Proposed Solution should be Software's and License Required for Replication Technology which Supports both Synchronous / Asynchronous Replication for Future DR Setup

Type	X 1
Appliance	Dell EMC Integrated Data Protection Appliance (IDPAI DP4400
DPAPPL_4400 DP4400S_8TB_RJ458	ANCHOR DP APPLIANCE 4400

Dell EMC PowerProtect Software	IDPA DP4400S 8TB 8X10
	8 x PowerProtect Software Socket per Cluster
	Must have 3Yr ProSupport Mission Critical PowerProtect Software Support Contract-ACDTS

1.2. LOT 2 - HUAWEI Fusion Module 800 Integrated Data Center with Installation and Commissioning

Solution	HUAWEI Fusion Module 800
Compute Load	10kVA of IT Load (must Include 84U (2 x 42U Rack) Empty Rack Units to Utilize IT Load Equipment's including Server, Storage, Network Equipment's, Etc.)
UPS	Capacity - 2 x 20kVA (HUAWEI UPS2000G)
	Backup Time- 2 Hours for 10kVA IT Load
	Configuration- N+1 Setup (20kVA + 20kVA) must mounted as part of the integrated Data center Maintenance Bypass- Standard
Cooling	Cooling Mode-Direct Expansion Air Cooled must be included in
	Installation-Rack Mounted (as part of the integrated Data center) Outdoor Units - Wall Mountable or Floor Stand
	must Configured N+1 Active-Standby Setup for Redundancy
PDU	2 (Two) HUAWEI PDU2000 Rack POU for each Cabinet with Redundancy
Monitoring	Must include IP based Centralized Monitoring - Included Support SNMP Communication -Included Environmental Controls: - Smoke Detector, Water Leak Detector, Temperature/Humidity Detector, Door Sensor, CCTV Camera and Door Mounted Tablet.
Access Control	Biometric Access Control System with- IP Based Access Control Configurable for User Defined Access should be included.
Others	Solution must Include: - *Power Cabling from DB to Integrated Data Center including any Other Components required for the installation. (e.g.: ELCB MCB Circuit Breakers etc.)

1.3. Manufacturer Authorization & Warranty

- Manufacturer Authorization letters from for both Lot1 and Lot2 must be provided.

- All Proposed hardware and Software must include Subscription services component are inclusive premium support backed by DELLEMC for a period of 3 years.
- 3-year parts and service warranty & On-Site Support by DELLEMC Certified Engineers
- 3-year parts and service warranty & On-site Support by HUAWEI Certified Engineers

1.4. Installation

- Proposal Must Include installation, commission and testing all the components of the infrastructure supplied.
- Installation must be carried out by Vendor certified and Authorized engineers. CV and Certifications of Engineers to be included in the proposal
- A UAT will be done as per the recommendations of the principal vendor DELLEMC and Huawei Rack installation, Rack Mounting all hardware's/ Cabling Power, DATA, Storage management/
- Configuration of Servers, Storage, Network Switches and Backup, Installation and Configuration of VMware Software's/ Setup Infrastructure Management should be included.
- All the required Cables/Patch Codes Including Power, Data, Storage and Management /Transceivers should be Included
- Installation and Commissioning must be carried out by DELLEMC and HUAWEI Certified Engineers

1.5. Training

- On the Job Training for all the Equipment for Basic Trouble Shooting and Maintenance for all equipment. DELLEMC certified Training for HCI VxRail Infrastructure for 2 Staff & Huawei FM 800 DC Training for 2 Staff must be included in proposal.