TERMS OF REFERENCE

1. Background of the Organization

Maldives Post Limited is a limited liability company formed in 1994 and is fully owned by the government of Maldives with a mandate of providing postal service across the country and abroad under Universal Postal Service Obligation (USO). Maldives Post is the national postal operator in the country with a network of more than 16 postal offices across the nation providing access to postal service in all the inhabited islands.

2. Objective

The aim is to procure the latest available server technology that is efficient and economical to host the current server workloads.

3. Mandatory Documents to submitted

- No record of criminal offences for last 5 years
- Company profile and registration certificate
- GST Registration Certificate
- Proposal quotation
- Authorized partner certificate
- Last 2 years financial statements
- Reference letters from previous project clients with relevant referees and contact details
- Parties who are submitting combined bids/proposals shall submit details of third party.
- Declaration on ethical conduct and fraud and corruption agreement

4. Bid Rejection

- Submitting false information/ documents
- Quoting too high prices
- Submission of low quality proposals
- Bidders who fail to meet the defined requirement
- Bidders who fail to submit declaration on ethical conduct and fraud and corruption agreement.

5. Project Scope

5.1 scope of Work and Deliverables

The contractor should supply, install, design and configure all the hardware and necessary services.

- Mount server and SAN Storage into the rack.
- Verify enclosure connections
- Install required host software.
- Create a VLAN or zone for I/O traffic on the source array
- After installing the hardware and powering on the storage system components for the first time, verify that the controller modules, expansion modules, and disk drives are using the current firmware release.
- Configure the Customer-provided basic network configuration information such as device IP address, subnet mask, and default gateway.
- Configuring RAID
- Migrating all existing VM to new server
- Configure Veeam Backup software to backup all existing VM.
- Failover server should be configured.
- Provide manual for server Management and Configuration.
- provide onsite training in both hardware and software in the installation, operation and maintenance.
- Submit project plan and detailed time line to complete the project.

6. Evaluation and Comparison of Bids

Criteria	Marks
Price	35%
Experience	10%
Certified Engineers	20%
Warranty and Support (Maximum Period)	35%

Experience:

Bidder should submit minimum 2 to 4 or more purchase orders or reference letters from organizations mentioning successful implementations in the Maldives.

Trained/Qualified staff:

The proposer shall attach the CV, professional certificate and experience letters for reference.

Warranty Support and Maintenance:

The proposer shall mention maximum support period for warranty support and maintenance.

7. **Server Specification:**

2 Nos x Server

- Form Factor: 1U rack
- Dual Intel Xeon-Silver 2.4GHz/12-core/100W Processor
- High Performance Heat Sink Kit
- 128GB Dual Rank x4 DDR4-2933 Registered Memory Kit
- Single rotor hot plug fans will be included
- 10Gb 2-port BaseT Adapter
- Dual 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
- RAID Controller (8 External Lanes/4GB Cache) 12G SAS PCIe Plug-in Controller
- 32GB microSD RAID 1 USB Boot Drive
- 1U Bezel Kit
- 1U SFF Easy Install Rail Kit
- Standard Riser Card
- Trusted Platform Module 2.0
- 1 Front - Display port
- 1 Rear - VGA port

1 Nos x SAN Storage

- Form Factor2U
- SFF Storage
- Storage Expansion24 drive bay SFF disk enclosure or 12 drive bay LFF disk enclosure
- 4 Host Interface: 10GBaseT iSCSi, FC host connectivity 16Gb
- 10GBaseT iSCSi 4 Pack Transceivers
- Storage Controller (2) 10GBaseT iSCSI Storage controllers
- Compatible Operating Systems Windows Server 2019 Windows Server 2016 VMWare vSphere 6.7
- Redundant Power and Cooling Module
- 24GB Data (read/write) cache + system memory per array

- Thin Provisioning, Space Reclamation, Thin Rebuild, Performance Tier, Standard Tier, Archive Tier, Snapshots (512), Volume Copy, Remote Snaps
- Battery-free cache backup with super capacitors and compact flash
- Total 7.2TB RAW Capacity from 12G Enterprise 1.2TB 10K SFF SAS Drives
- 10GBaseT iSCSi Cables 4 Nos
- Backup software license: Veeam Backup Essentials Universal Subscription License. 1 Year Subscription Upfront Billing & Production (24/7) Support (total 15 instance)

1 Nos x Core Switch

- 10-Gigabit aggregator switch with 12x 10GBASE T copper ports and four SFP+ ports for SFP+/SFP fiber connections.
- Throughput 95 Mpps and Routing and Switching Capacity: 128 Gbps
- 10-Gigabit redundant uplink cables for servers and storage connectivity should be provided.