Technical Specification - Hyperconverged Infrastructure System

<u>Hyperconverged Infrastructure System</u>

- Minimum required number of nodes: 03

- If the proposed HCI system required additional nodes, vendor should include it.

- Minimum hardware configuration for each node

    - 01 x AMD EPYC (Rome) (2.0GHz/64-core) Processor

    - 08 x 32GB Dual Rank x4 DDR4 Memory

    - 6 x 1.92TB small form factor (2.5") SSD for data tier

    - RAID controller and cache battery

    - Dual port 10Gb SFP+ Adapter

    - Dual redundant non shared hot plug power supply

    - Embedded 1 x out-of-band management

    - Server bezel kit

    - Rack railing kit

    - Form factor: 1U standard server rack mountable

- The nodes should be configured for N+1 high availability cluster

- Each node should allow inbox upgrade of memory up to 2TB per node

- Should supply appropriate transceivers to establish 10GbE uplink connections to core switch

- The proposed system should be able to tolerate multiple drive and component failures in a single node

- The HCI system should dedupe and compress all data at inception.

- Deduplication and compression should be always enabled on the HCI system and any software license required should be included.

- The HCI system should be able to scale compute and storage independently.

- The HCI system should have integrated policy based VM level backup and recovery to local or remote storage. Any required software licenses should be included.

- The proposed solution should have integrated, mature AI engine platform for intelligent management and reporting

- The system should have single console for management, preferably directly integrated with VMware vCenter.

- Installation and configuration

    - Should be deployed by vendor certified engineers

    - The installation team should consist of minimum 1 certified engineer in the proposed HCI platform and minimum 1 certified VMware engineer.

    - Should provide planning, deployment and user acceptance test details

    - Should be installed and configured as per manufacturer best practice guidelines

    - Should initialize the nodes in N+1 HA cluster configuration

    - Should migrate existing workload to new HCI system with minimal impact or downtime

    - Should configure all relevant VMware networking stack

    - Should configure cloud based intelligent management, reporting and analytics platform

    - Configuration documentation and on the job training

Warranty: 3-Year Parts, 3-Year Labor, 3-Year Onsite support, 3-Year local technical support