



ہدایہ دہانہ دہانہ دہانہ

انسانی حقوق کی تحفظ اور ان کی سرپرستی کے لیے قائم کیا گیا ہے۔ اس کے تحت انسانی حقوق کی تحفظ اور ان کی سرپرستی کے لیے قائم کیا گیا ہے۔

(IUL)196-C/1/2022/15

09 دسمبر 2022

قائم مقامی نیشنل کمیشن برائے انسانی حقوق

انڈیا

انڈیا

Technical Specifications

Lot: 1

Item #	QTY	Details
1	1	Server & Storage Upgrade (Supply and Installation of HCI Infrastructure)

Supply and Installation of HCI Infrastructure

Hyper Converged System

- HCI Technology: **HPE SimpliVity**
- Required minimum node quantity: 02 Nos
- If the proposed system requires additional nodes, it should be included
- Required Minimum Configuration for Each Node
 - Shall support up to four individual server nodes in each 2U chassis
 - Hyperconverge Appliance in a Fully Integrated System
 - Intel Xeon-Gold 4214R (2.4GHz/12-core) Processor
 - 08 x 16GB RDIMMs DDR4-2933 Registered Memory Kit
 - Should allow inbox upgrade from 1 to 2 processors
 - Should support latest DDR4-2666 Registered Memory
 - Should allow inbox upgrade of RAM up to 1024GB per node
 - On Demand Scale-in and Scale-out Architecture
 - Deduplication and data compression should be enabled and any required software license should be included
 - Storage: 6 x 1.92TB Enterprise Class Hot-pluggable SSD, 480GB M.2 SSD boot device
 - Integrated storage controller with battery-backed cache
 - Redundant hot plug 1600W Power Supply
 - 04 x fan modules
 - Dual port Ethernet 10Gb SFP+ Adapter including 10G SR Transceiver for uplink
 - Dual port Ethernet 1Gb port Adapter

- Embedded 1 x out-of-band management to simplify remote management
 - Enterprise Remote Server Management License with Dedicated Management Port
 - Bezel Kit and Rail Kit should be included
 - VMware vSphere 7 Enterprise Plus License for each processor with 3 Year Basic Support for all CPUs
 - 01 x VMware vCenter Server 7 Standard License with 3 Year Basic Support
- The system shall be configured as a single cluster
 - The cluster shall be configured for N+1 high availability
 - The system shall dedupe and compress all data at inception
 - Deduplication and compression should be global, meaning data replicated to other future clusters is already deduped and compressed
 - The system should be resilient and should be able to tolerate multiple drive and component failures in a single node
 - The system shall be able to scale compute and storage independently
 - The system shall include individual VM-centric policy-based backup and recovery. All necessary software like backup software licenses should be included. Backup software should be licensed for all the sockets in the proposed HCI cluster.
 - All backups shall be deduped and compressed natively
 - The system shall provide integrated backup to secondary storage or public cloud without third-party software
 - The system shall be an all-in-one system with built-in resiliency, backup and disaster recovery
 - The system shall have global management that is directly integrated with VMware vCenter
 - The system shall include integrated cloud based Intelligent management and reporting platform
 - The cloud based platform shall be able to provide analytics across multiple systems.
 - The cloud based platform shall have high level dashboards showing data efficiency, performance, and backup data efficiency per cluster, per VM, and per host.
 - Installation, configuration and training

- Installation and configuration service shall be deployed by vendor certified engineers only
- The installation team should consist of minimum two OEM certified engineers in the proposed HCI solution
- The allocated engineers shall be available onsite for the duration of the installation
- At minimum the following details of the shall be included with the proposal
 - Service Planning
 - Service Deployment
 - Installation Verification Test
 - Knowledge Transfer and Orientation Session
- Installation of the HCI Nodes: unpacking the server, inspecting it for damage and installing it according to product specification
- Installation of any additional hardware options
- Physical connection of the product to a LAN or WAN
- Perform maintenance related tasks such as firmware updates and management interface configuration
- Shall be installed and configured as per manufacturer best practice guidelines
- Install and configure hypervisor software on each HCI node
- Install and configure HCI software stack
- Install and configure VMware vCenter with integrated HCI management software
- Configure integrated cloud management platform
- Configure the cluster in N+1 HA configuration
- Configure all relevant VMware networking stack ensuring high availability and maximum performance
- Configure backup and recovery
- Plan, design and configure backup policies
- Backup policies should be configured per VM and globally per datastore
- Migrate production workload VMs to new HCI with minimal downtime
- Configuration documentation and on the job training

- Warranty and Support Service
 - Manufacturer Warranty and Support Service: 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
 - 9x5 business hour availability and a 2-hour response time
 - 24x7 access to online self-serve and self-solve capabilities, 24x7 incident logging
 - Local Technical Support: 3-Year local technical support by OEM certified engineers
- Bid submitter must be an **HPE Authorized Distributor** and should provide appropriate documentations (Certificates/Document/Letter from HPE) along with the Bid

Long-term Archive Software

- **Veeam Backup & Replication Universal Subscription License.**
 - Enterprise plus Edition features.
 - 1 Years Subscription Upfront Billing & Production (24/7) Support.
 - 30 instance license
 - Installation and Configuration
 - Should be deployed by vendor certified engineers only
 - The installation team should consist of minimum one OEM certified professional engineer
 - The allocated engineer(s) should be available onsite for the duration of the installation
 - Plan and design external and long term backup and recovery policies as per industry best practices
 - Configure backup and recovery policies for all production workload
 - Configure existing SAN storage for long term archiving
 - Isolate and secure backup infrastructure
 - Configure replication policies on all existing production workloads for continuous data protection
 - Demonstrate and verify backup and recovery
 - Configuration documentation and on the job training
- **Warranty and Support Service**
 - Manufacturer Warranty and Support Service: 1-Year production support
 - Local Technical Support: 1-Year local technical support

שאלה מס' 2: שני מספרים הנתונים למטה.

#	השאלה
	<p>לאחר שחברת הרכישה של המפעל קיבלה את המכונה, נדרש להעריך את עלות המכונה. המכונה נרכשה במחיר של 80 אלף שקלים, והיא צפויה להישלם במשך 5 שנים. המכונה צפויה להישלם באמצעות תשלומים שנתיים של 10 אלף שקלים. המכונה צפויה להישלם באמצעות תשלומים שנתיים של 10 אלף שקלים.</p>
1	<p>דמי הריבית הנלווים (80 אלף שקלים)</p>
	<p>• דמי הריבית הנלווים / דמי הריבית הנלווים $\times 80$ (אם כי דמי הריבית הנלווים לא יישלמו) (התשובה היא 80 אלף שקלים)</p>
2	<p>דמי הריבית הנלווים (10 אלף שקלים)</p>
	<p>דמי הריבית הנלווים / דמי הריבית הנלווים $\times 10$ (אם כי דמי הריבית הנלווים לא יישלמו) (התשובה היא 10 אלף שקלים)</p>
3	<p>הוצאות הרכישה (10 אלף שקלים)</p>
	<p>• הוצאות הרכישה / הוצאות הרכישה $\times 10$ (אם כי הוצאות הרכישה לא יישלמו) (התשובה היא 10 אלף שקלים)</p> <p>• הוצאות הרכישה / הוצאות הרכישה $\times 5$ (אם כי הוצאות הרכישה לא יישלמו) (התשובה היא 5 אלף שקלים)</p>

1. مونس زمرے کی تعریف و خصوصیات درج فرمائیے:

مونس زمرے کی تعریف و خصوصیات (جو تقریباً صحیح ہے) (سرس):

.....

مونس زمرے کی تعریف و خصوصیات (سرس):

.....

مونس زمرے کی تعریف و خصوصیات (سرس):

.....

.....

.....

2. جو تقریباً صحیح ہے مونس زمرے کی تعریف و خصوصیات درج فرمائیے:

مونس زمرے کی تعریف و خصوصیات (سرس):

.....

.....

مونس زمرے کی تعریف و خصوصیات (سرس):

صحیح

غلط

3- مونس زمرے کی تعریف:

.....

.....

.....

مونس زمرے:

مونس زمرے کی تعریف و خصوصیات (سرس):

.....

.....

.....

.....