REQUEST FOR PROPOSAL (RFP)

Procurement of Enterprise Virtualization Server with Backup Storage (DR + Local Infrastructure Model – CAPEX).

RFP DETAILS

Item	**Details**
RFP Reference No.	OCUB/RFP-1/23426
Date of Issue	25-04-2026
Last Date for Pre-Bid Queries	30-04-2026
Last Date for Submission	[08/05/2026 – 5:00 PM]
Technical Bid Opening	11/05/2026
Financial Bid Opening	To be notified
Bid Validity	90 Days

2. Objective

The Bank intends to procure an enterprise-grade on-premises virtualization infrastructure to:

- Host internal applications, security systems, and legacy workloads
- Provide centralized and scalable virtualization environment
- Serve as a backup-based recovery platform for selected workloads during disruption
- Enable backup, restoration, and temporary execution of critical services during disruption,
- Only **backup-based restore supported**, no continuous replication expected unless separately quoted
- Serve as backup-based recovery platform for critical workloads during cloud/service disruption. Real-time DR or full workload mirroring is not in scope.

The solution shall function as a **hybrid DR + local infrastructure platform**, aligned with operational and audit requirements. The solution is designed as a secondary recovery platform and not as a primary production environment.

3. Scope of Work

The vendors are requested to contact/Visit Bank to understand the existing infrastructure of the bank for reusability and requirements clearly.

The selected bidder shall:

3.1 Supply, Install & Commission

- Enterprise server (128 GB RAM)
- Virtualization platform
- Windows Server OS licensing
- Entry-level NAS storage
- Backup solution
- Secure VPN integration with Azure
- Backup compatibility with Azure Backup / Blob export
- Identity sync (optional AD sync)
- Must integrate with Azure environment
- Must support hybrid identity & logs
- CIS benchmark hardening
- Logging → SIEM (Azure)
- No direct internet exposure

3.2 Implementation

- Configure virtualization environment
- Create and configure required VMs
- Migrate existing workloads
- Implement logical network segregation
- Configure backup and restore

3.3 DR Capability (Mandatory)

- Design recovery architecture for restoration of critical workloads using backup-based mechanisms. Real-time DR or replication-based DR is not in scope
- Enable backup-based data transfer from cloud to local (where feasible)
- Define recovery workflow and priority sequence
- Enable VM-level restore for critical workloads

3.4 Documentation & Training

- As-built architecture diagram
- DR runbook (failover/failback)
- Backup & recovery procedures
- Administrator training

3.5 Support

- 5-year warranty and support
- Quarterly health check

4. Virtual Machine Requirement (Mandatory)

The solution must support the following workloads:

Sl No	VM	OS	vCPU	RAM	Storage
1	Active Directory	Windows	2–4	8 GB	150 GB
2	Local log buffering mechanism (optional,centralized SIEM remains in Azure)	Linux	4	8 GB	500 GB
3	NTP	Linux	1–2	2 GB	50 GB
4	Patch Management (WSUS)	Windows	2–4	8 GB	300 GB
5	Proxy Server	Linux	2	4 GB	100 GB
6	Asset Management	Linux/Windows	2–4	8 GB	150 GB
7	Legacy Application	Windows	2–4	8 GB	300–500 GB
8	Legacy Database	Win/Linux	4	16 GB	500 GB
9	Future Capacity	—	Reserved	~30%	—

The VMs final specification can be finalised in consultation with Bank IT Team at the time of roll out

Mandatory Conditions

- Minimum 8-10 VMs supported
- 30% resource buffer mandatory
- Utilization shall not exceed 70% at deployment

DR Workload Clarification

- Server shall support **temporary restoration of selected cloud workloads during DR**

- Full cloud mirroring is not mandatory \ On-prem infra is NOT primary DC
- Azure is primary infra layer
- DR = backup-based recovery
- No real-time sync unless specified

5. Technical Specifications

5.1 Enterprise Server

Component	**Specification**
Form Factor	Enterprise Rack/Tower (rack convertible) with accessories
Processor	Intel Xeon Silver/Gold or AMD EPYC or equvalent
RAM	128 GB ECC (expandable to 256 GB)
OS Disk	2 x SSD (RAID 1)
VM Storage	Minimum 4 x Enterprise SSD (RAID 5 / RAID 10)
SSD Size	Minimum 1.92 TB
RAID Controller	Hardware RAID with cache
Power Supply	Dual redundant
Network	Minimum 4 x 1G / 10G
Remote Mgmt	iDRAC / iLO / XClarity
Warranty	5 Years Onsite

OEM Reference (Benchmark Only)

- Dell PowerEdge T350
- HPE ProLiant ML350 Gen10
- Lenovo ThinkSystem ST550

✓ Equivalent or higher models permitted
✓ Only Tier-1 OEMs allowed
✓ Refurbished equipment not permitted

5.2 Virtualization Software

- VMware / Hyper-V / equivalent
- Must support:
    - VM creation, cloning, snapshot
    - Backup integration
    - Resource isolation and scaling

5.3 Operating System

- Windows Server 2022 or latest
- Licensing included

5.4 Entry-Level NAS (Backup Storage)

Component	Requirement
Capacity	Minimum 8 TB usable
Bays	Minimum 4
RAID	RAID 5
Features	Snapshot, backup support
Warranty	5 years

Note: NAS shall be used for backup repository, not primary VM hosting.

6. Architecture Requirements

6.1 Overall Design

- Hybrid architecture:
    - Cloud-hosted primary workloads
    - On-prem DR and local services

6.2 Logical Segregation

- Infrastructure VMs
- Security VMs
- Application VMs
- Database VMs

6.3 DR Architecture (Mandatory)

Solution must support:

- Restoration of critical workloads from backup copies (cloud or local)
- Priority-based recovery sequence
- Defined failover and failback process

Vendor shall provide:

- DR design document
- Recovery workflow diagram
- DR runbook

6.4 Network Architecture

- Logical segmentation (VLAN/virtual switch)
- Secure connectivity with cloud (VPN/SD-WAN)
- Segregation of:
    - Management network
    - VM network
    - Backup traffic
- Restricted admin access

6.5 High Availability Clarification

- Single server solution:
    - Acts as DR/restore platform
    - Not a full HA cluster
- RAID eliminates disk-level failure
- Recovery from server failure shall be via backup

(Optional: Vendor may quote HA cluster separately)

7. Backup & Recovery

- Daily incremental backup
- Weekly full backup
- Minimum 30-day retention

Additional Requirements

- VM-level backup
- Application-aware backup
- NAS-based storage
- Periodic restore testing

8. DR Parameters

Parameter	Requirement
RTO	4 hours (recommended)
RPO	RPO: 12–24 hours (or based on backup frequency)
DR Scope	Critical workloads only
Recovery Mode	Backup-based restoration

9. Security & Hardening

Vendor must ensure:

- System hardening
- Password policy enforcement
- Logging enabled
- NTP synchronization
- SIEM compatibility

10. Bidder Eligibility

- OEM Authorization (MAF mandatory)
- Experience in similar deployments
- Local support capability

11. Commercial Bid Format (Annexure-C)

Sl No	Item	Qty	Price (INR)
1	Enterprise Server (128 GB)	1	
2	Virtualization Software	1	
3	Windows Server License	1	
4	SQL License (Optional)	1	
5	NAS Storage	1	
6	Backup Software	1	
7	Installation & Migration	1	
8	5-Year Support	1	

12. Payment Terms

- 50% – Against Purchase Order
- 40% – After Installation
- 10% – After Go-live & SLA/NDA

13. SLA Requirements

- Response time: 4 hours
- Resolution time: 24 hours
- Quarterly health check

14. Evaluation Criteria

- Technical compliance
- DR architecture clarity
- Cost competitiveness
- OEM support strength
- Implementation capability

15. General Conditions

- Delivery within 4–5 weeks
- Prices inclusive of all costs
- Bid validity: 90 days

The Bank acknowledges that the proposed solution is a single-node deployment and does not provide high availability. In case of server-level failure, recovery will depend on backup restoration. This risk is accepted by the Bank as part of cost optimization and based on the fact that bank already provisioned VMs in cloud environment as its primary infrastructure

The proposed solution is intended to function as a localized disaster recovery and essential services platform. It is not a full high-availability production system unless multiple compute nodes are deployed.