



Request for Proposal (RFP)

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SERVER CONSOLIDATION & HARDWARE REFRESH

SBI Capital Markets Ltd

Ref: RFP no. CO/IT/2327

Date: 31-Jan-2024

Revised RFP Date: - 12-Feb-2024

Corrigendum & Addendum No. 1 dated 20th February 2024

Tentative Factsheet for Tender Submission

Item	Description
Date of RFP issuance	31-Jan-2024
Last date and time for Bid/Proposal submission (on or before)	29-Feb-24 Technical Bid To be submitted on eTender Platform and physical copy to be dispatch same day to SBICAPS BKC office.
Reverse Auction (Tentative)	05-Mar-24

Main RFP Document

Sr. No.	Section in RFP	Reference # in RFP	Modified Clause/ Details	Remarks
1	Section 1.3 Page-78	Eligibility Criteria	Bidder must have supplied & implemented the proposed Traditional /HCI Solution in minimum Three (3) preferably in BFSI or in PSU/ Enterprise Customers/Private Organisations during the past 5 years in India. (The bidder must submit Purchase Order/Satisfactory Certificate from the organization as supporting documents for the same.)	Other than BFSI references shall be considered.

Technical Specification Annexure-B

Sr. No.	Reference # in RFP	Modified Clause/ Details	Remark
Backup Server Software			
1	RPO/ RTO and Recovery Assurance Point 17	Backup software must have a feature of data validation, whereby a workload (VM with OS and application) is powered-on in a sandbox environment and tested for its recoverability. Recovery verification should automatically boot the server from backup and verify the recoverability of VM image, Guest OS and Application Consistency and then publish automated reports to be used in backup / recovery audits.	These points are desirable feature.
2	Backup and Replication Performance and SLA	The software should be Network-efficient, Secure backup data replication with variable/fixed-length encryption at the	Change marked in coloured font.

	Backup support for hypervisors and Applications	source, along with compression and encryption to ensure that backups are optimized for WAN transmission. This should be ensured with backup should replicated in Deduplicated manner to DR site with proposed solution. Backup software should support Source/Target/Global level and variable/fix length deduplication and build in replication of backup data feature and Data should be store in encrypted format.	
	NAS Backup Point no. 17	Backup software should be ready and support instant file share recovery in NAS storages to allow users to access files fast after disaster.	NAS readiness is needed. If any addl. License is required bidder may mention in Technical Bid
	Backup Retention Point no. 18	The backup software should retain the data for File Server for ever on a disk hardware. For rest of the VMs the data should be retained for 5 Days Incremental/Weekly 4/ Monthly 3/ Yearly 2 for All VMs. For File Server - Infinite backup to be retain for 7 years. The vendor shall size the hardware basis the proposed software capability to store the data and Bidder must provide sizing details in solution document with validation from respective backup tool and in case capacity increase then Bidder has to provide additional capacity without any cost to SBICap.	
3	Solution Overview	This requirement for KVM switch is deleted. The bidder is required to make sure that SBICAPS shall take control remote management feature.	
Backup Server Hardware-DC & DR			
1	Internal Storage	The bidder is required to provide capacity basis retention requirement (point no. 17 in this worksheet) of SBICAPS. The proposed storage should be configured in Raid 6 with Global hot spare. The bidder should provide OS layer on separate Drives in RAID 1.	
2	Backup Window Point no. 20	The proposed backup solution should complete the Full Back up on weekly and monthly basis withing 6-7 hours.	New Addition.
DC Switch			
1	DC Switch	Switch shall have minimum 512K MAC Addresses and 4094 VLAN.	Typo error in Vlan
Storage-DC			
1	Data Protection feature Point no. 23	Snapshots (VSS)-The proposed array should support snapshots and clone	Point has been removed

		functionality. Any additional license for the same should be quoted for entire capacity of array. Offered Storage array shall support more than 1000 Snapshots per LUN / Volume. Additional space required for snapshot should be factored above 60 TB if necessary.	
2	Systems should support Operating Systems VMware, Hyper-V, Windows: Win2016/2019, Win2012R2, Win2008R2, Linux: RHEL 6.5/6.6/6.7/7.0/7.2/SLES 11 SP3 and SLES 12, Oracle Enterprise Linux VM, Oracle VM	Systems should support Operating Systems VmWare latest Version, Hyper-V, Windows Win2016/2019, Win2012R2, Oracle Enterprise Linux VM, Oracle VM.	
3	Systems should have two 10/25-Gb Fiber channel ports (using Two Single Port PCIe cards) 2 * DP 10/25G NIC card with SFP+ Transceivers 1 * Dedicated 1G port for out of band monitoring	Systems should have two 16/32-Gb Fiber channel ports (using Two Single Port PCIe cards), 1 * Dedicated 1G port for out of band monitoring	
4	Not part of existing Specs	The bidder is required to propose VMware standard Licenses for the proposed server hardware with 3+2 years back-to-back support from OEM. The hyper visor should also support Win 2008R2 and above, Linux: RHEL 6.5/6.6/6.7/7.0/7.2	
5	Specification Addl Server requirement for Backup Exec server	These specs are removed. No Addl server required to be proposed separately for existing Backup exec server	
	HCI		
1	Systems should have minimum dual 28 core Intel® Xeon® processor scalable family CPUs-intel Skylake 6330 2.0 GHz / cascade lake Intel® Xeon® Gold	Systems should have minimum dual 28 core Intel® Xeon® processor scalable family CPUs-intel Skylake 6330 2.0 GHz / Icelake Intel® Xeon® Gold	
2	Point no. 3	The solution is hardware agnostic for support the single point of contract is Bidder who should co-ordinate with hardware and software partner in case of any issue.	Single point of contact for HCI support
3	Point no. 14	The proposed system should support both hybrid and all flash storage within the same cluster/across solution.	Requirement for caching drive is removed.
4	Point no. 48	Hypervisor should have Virtual Network Switch architecture	

5	Point no. 63	Proposed Solution should have Memory overprovisioning without impacting VM performance using advanced memory management techniques such as "Memory Ballooning" or "Memory Swapping" or "Transparent page sharing" or "Memory Compression".	
6		The solution should be able to create a cluster out of multiple storage data stores and automate load balancing by using storage characteristics to determine the best place for a virtual machine's data to reside, both when it is created and when it is used over time	Point has been removed.
Hyper visor- Traditional			
1	Point no. 13	Licenses proposed for Hypervisor Platform should be Perpetual / Subscription in nature for proposed cores at DC and for DR.	Licenses to be given as per Cores proposed
Service Level Agreement			
1	Annexure-D	Replacement of Hardware mentioned withing 24 hours	Relaxation for SLA