Corrigendum - 2 for RFP Reference Number: IT-03/2022-23						Date : 11-Nov-2022	
Corrigendum #	Section No	Clause / Annexure No.	Page No.	Point. No.		Existing RFP Text	New RFP Text
CR - 1	_	Last Date for Submission of Online Bid (Eligibility, Technical and Commercial)	3	NA		18th November, 2022 before 4.00 PM. Bid must be submitted online at https://StockHolding.auctiontiger.net	30th November, 2022 before 4.00 PM. Bid must be submitted online at https://StockHolding.auctiontiger.net
CR - 2	_	Date of opening online Eligibility bid	3	NA		18th November, 2022 04:30 PM	30th November, 2022 04:30 PM
CR - 3	_	Date of declaring Result of Eligibility evaluation	3	NA		25th November, 2022 on StockHolding website. For any Grievances/Queries on Eligibility evaluation, bidder need to send grievances on or before 2nd December 2022 by 6 PM to PRIT@StockHolding.com. No Grievances/Queries will be entertained post 6 PM on 2nd December 2022	9th December, 2022 on StockHolding website. For any Grievances/Queries on Eligibility evaluation, bidder need to send grievances on or before 15th December 2022 by 6 PM to PRIT@StockHolding.com. No Grievances/Queries will be entertained post 6 PM on 15th December 2022
CR - 3	_	Date of opening of online Technical bid	3	NA		9th December at 11:30 AM (Request will be sent only to Eligible bidders who participated in technical bid opening	22nd December, 2022 at 11:30 AM (Request will be sent only to Eligible bidders who participated in technical bid opening
CR - 4	_	Date of Technical Presentation	3	NA		15th and 16th December, 2022 at StockHolding Mahape office (Request will be sent all bidders who participated in technical bid opening	10th and 11th January, 2022 at StockHolding Mahape office (Request will be sent all bidders who participated in technical bid opening
CR - 5	_	Date of declaring Result of Technical evaluation	3	NA		23rd December, 2022 on StockHolding website. For any Grievances/Queries on Technical evaluation scoring, bidder need to send grievances on or before 30th December 2022 by 6 PM to PRIT@StockHolding.com. No Grievances/Queries will be entertained post 6 PM on 30th December 2022.	20th January, 2023 on StockHolding website. For any Grievances/Queries on Technical evaluation scoring, bidder need to send grievances on or before 27th January 2023 by 6 PM to PRIT@StockHolding.com. No Grievances/Queries will be entertained post 6 PM on 27th January 2023.
CR - 6	_	Date of opening of online Commercial bid	3	NA		10th January 2023 11:30 AM (Request will be sent to all bidders who participated in Commercial bid opening)	3rd February 2023 11:30 AM (Request will be sent to all bidders who participated in Commercial bid opening)
CR - 7	_	Date of declaration of Final Result	3	NA		23rd December, 2022 on StockHolding website	10th February, 2023 on StockHolding website
CR - 8	3	3.1	14	-		This Request for Proposal (hereinafter referred to as "RFP") document encompassing Annexure, and subsequent Addendum and/or Corrigendum, has been issued solely to enable StockHolding for selection of System Integrator for Delivery, Implementation & Management of Private Cloud Setup which includes requirement gathering, delivery, implementation, configuration, integration with existing Infrastructure, training, roll out, post go live maintenance support for 5 years.	This Request for Proposal (hereinafter referred to as "RFP") document encompassing Annexure, and subsequent Addendum and/or Corrigendum, has been issued solely to enable StockHolding for selection of System Integrator for Delivery, Implementation & Management of Private Cloud Setup which includes requirement gathering, delivery, implementation, configuration, integration with existing Infrastructure, training, roll out, post go live maintenance support for 5 years. **Operational and functional traing of the deployed solution to be provided by the Winning Bidder / SI in offline mode at production site.**
CR - 9	3.2	3.2.3	17	13		RPO-15 Min and RTO 1 Hour	**Not to exceed RPO- 30 Min and RTO 4 Hours**
CR - 10	3.2	3.2.3	18	15		42u rack with redundant intelligent PDUs for initial capacity. In case of later enhancement of capacity in the same rack 2.5x power sockets to be provisioned from day 1.	42u rack with redundant intelligent PDU. **PDU to be sized for maximum number of 2U devices with dual power source that can be acomodated in the Rack.**
CR - 11	3.2	3.2.6	19	1		After implementation the Successful bidder must ensure the availability of 1 Call-Coordinator for the entire duration of the contract from the date of Go Live During Business hours (09.30AM to 6 PM)	After implementation the Successful bidder must ensure the availability of 1 Call-Coordinator for the entire duration of the contract from the date of Go Live During Business hours (09.30AM to 6 PM) between **Monday to Friday**
CR - 12	3.4	Project Timeline	22	1		Team Mobilization, Preparation of Project /Implementation / Migration Plan, Kick-off meeting,acceptance of SLA etc. /Site readiness acceptance	Team Mobilization, Preparation of Project /Implementation, Kick-off meeting,acceptance of SLA etc. /Site readiness acceptance
CR - 13	8.4	Annexure 4 - Compliance to Eligibility Criteria	53	8		At least two Remote Support Center/NOC/Service Center should be available in different geographical locations for uninterrupted elevated support and one of them should be in Mumbai.	At least two Remote **Support Center/Service Center** should be available in different geographical locations for uninterrupted elevated support and one of them should be in Mumbai.
CR - 14	8.4	Annexure 4: Compliance to Eligibility Criteria	53	7		The Bidder should have Private Cloud implementation in Government/PSU/ BFSI Institution in India	The Bidder should have Private Cloud implementation in Government/PSU/ **Private** / BFSI/ any other Industry Institution in India.
CR - 15	8.16	8.16.1	74	29		Solution should be with and without hardware assisted data deduplication and compression.	Solution proposed **should have capability for data deduplication and compression.**

CR - 16	8.16	8.16.1	74	32	Must be able to sustain minimum of simultaneous 1-HDD failure in each node of a cluster along with single node failure in the cluster without data loss or if the solution does not support 1 disk failure at a time from all nodes then vendor has to give RF3 Redundant Factor 3 to ensure that in case of the Disk Failure in more than 2 node then the 3rd copy should be available.	Must be have the feature functionality to sustain **simultaneous 2HDD failure across nodes of a cluster or 2 simultaneous node failures within the cluster without any data loss.**
CR - 17	8.16	8.16.1	74	28	Proposed Solution must be capable to deduplicate, Compress & Optimize ALL data inline, in real-time, across all storage tiers within the HCI Cluster. All handled with fine data granularity of 4KB or 8KB data blocks.	Proposed Solution must be capable to deduplicate, Compress & Optimize all data inline, in real-time, across all storage tiers within the HCI Cluster
CR - 18	8.16	8.16.2	75	6, 7, 8, 9	The solution shall provide the ability to rapidly on-board new hosts by automatically deploying reference configurations including networking settings. The solution shall intelligently place and balance virtual machines on appropriate available storage tier based on SLA, performance and availability requirements The solution shall provide a built-in convertor to migrate physical Windows and Linux workloads to virtual workloads Proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	The solution shall provide the ability to rapidly on-board new hosts by automatically deploying reference configurations including networking settings. The solution shall intelligently place and balance virtual machines on appropriate available storage tier based on SLA, performance and availability requirements. Proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs. The solution proposed should support Template approach for deploying VMs.
CR - 19	8.16	8.16.2	76	13	The solution shall provide built-in replication capability which will enable efficient array-agnostic replication of virtual machine data over the LAN or WAN. This replication should simplify management enabling replication at the virtual machine level and enabling RPOs as low as 5 minutes.	The solution shall provide built-in replication capability which will enable efficient array-agnostic replication of virtual machine data over the LAN or WAN. This replication should simplify management enabling replication at the virtual machine level and enabling RPOs as per **Pg 17 3.2.3 point 13 and Corrigendum # CR 2**
CR - 20	8.16	8.16.2	76	24	Virtualization software should have the ability to live migrate VM files from one storage array to another without any VM downtime. Support this migration from one storage protocol to another (ex. FC, NFS, iSCSI, DAS)	Virtualization software should have the ability to live migrate VM files from one storage array to another without any VM downtime
CR - 21	8.16	8.16.2	76	13, 14, 15, 16	"The solution shall provide built-in replication capability which will enable efficient array-agnostic replication of virtual machine data over the LAN or WAN. This replication should simplify management enabling replication at the virtual machine level and enabling RPOs as low as 5 minutes." The solution shall provide I/O prioritization for virtual workloads to ensure that business critical VMs are not affected due to congestion by other VMs on the same host "The solution shall provide configurations at VM level that can be tuned to help reduce latency. When the Latency sensitivity is set to high the hypervisor will try to reduce latency in the virtual machine by reserving memory, dedicating CPU cores and disabling network features that are prone to high latency" "The solution shall provide the ability to expand virtual disks (boot and non-boot disks) without downtime and provide options for locating new virtual disks for existing workloads on different tiers of storage for both Windows and Linux workloads"	"The solution shall provide built-in replication capability which will enable efficient replication of virtual machine data over the LAN or WAN. **This replication should simplify management enabling replication at the virtual machine level as defined RPO/ RTO" (Corrigendum # CR 2)** The solution shall provide I/O prioritization for virtual workloads to ensure that business critical VMs are not affected due to congestion by other VMs on the same host. "SHCIL should have capability to define the VMs that need to be replicated" **"The solution shall provide the ability to expand storage capacity"**
CR - 22	8.16	8.16.2	77	28	Virtualization software shall have High Availability capabilities for the virtual machines in the sense if in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software. The feature should be independent of Operating System Clustering and should work with FC/ iSCSI SAN and NAS shared storage. This high availability feature should also be extended to and aware of the applications running inside of the virtual machines.	Virtualization software shall have High Availability capabilities for the virtual machines in the sense if in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software. **The solution should be independent of the operating system & storage type.**
CR - 23	8.16	8.16.2	77	29	Virtualization software should have the provision to provide zero downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure, without the cost and complexity of traditional hardware or software clustering solutions.	**This point should be read in conjunction with the Section 7 (Service levels and penalty)**
CR - 24	8.16	8.16.2	77	34	The hypervisor should support HCI and Non-HCI (Server + FC SAN Storage) architecture	The hypervisor should support HCI and connectivity to any **external industry standard Storage architecture.**
CR - 25	8.16	8.16.2	77	35	It should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical adapters on a Virtual Switch	**It should allow dynamic adjustment of the load to ensure balancing across multiple physical adapters on a Virtual Switch.**
CR - 26	8.16	8.16.3	78	11	Proposed solution should protect up to 1 Node failure scenario in the cluster. The solution should also be capable of protecting 3 nodes failure scenario	**Considering future expansion the expanded solution should be able to sustain concurrent multinode failures.**

CR - 27	8.16	8.16.6	81	2	The solution should be able to Map virtual machines to appropriate resources on the failover site a. The solution should provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources b. The solution should provide option to recover multiple sites into a single shared recovery site c. The solution should be able to automatically stop replication between sites and promotion of replicated storage for recovery d. The solution should provide technology so that live migration of virtual machine disks would be supported between different storages and would support of distributed resource scheduling of storage	The solution should be able to Map virtual machines to appropriate resources on the failover site a. The solution should provide option to customize the shutdown of low-priority virtual machines at the failover site to get more resources or proper utilization of resources b. The solution should provide option to recover multiple sites into a single shared recovery site (**multiple sites in the near furture**) c. The solution should be able to automatically stop replication between sites and promotion of replicated storage for recovery d. The solution should provide technology so that live migration of virtual machine disks would be supported between different storages and would support resource load balancing across the hosts
CR - 28	8.16	8.16.7	83	14	The solution should provide visibility and monitoring forthird- party data-center ecosystem components such as compute, networking, storage, security, applications, containers, latest Kubernetes versions, databases and multi-cloud services from AWS, Azure, and GCP. A comprehensive list of supported systems shall be submitted as part of the bid.	**This Point is removed.**
CR - 29	8.16	8.16.8	84	1	-	**The proposed solution should be in leaders quadrant of "Magic quadrant for Enterprise Backup and Recovery Software Solutions"**
CR - 30	8.16	8.16.8	84	7	Should support online backup and granular recovery of database platforms like Oracle, MS SQL, MySQL, PostgreSql, Sybase etc. Should support file and block based backup for Windows File System, UNIX/Linux File Systems, Microsoft SQL Server, MySQL. Should support file and block based backup for Windows File System, UNIX/Linux File Systems, Microsoft SQL Server, MySQL	Should support online backup and granular recovery of database platforms like Oracle, MS SQL, **Instance backup of** MySQL, PostgreSql, Sybase etc. Should support file and block based backup for Windows File System, UNIX/Linux File Systems, Microsoft SQL Server, MySQL. Should support file and block based backup for Windows File System, UNIX/Linux File Systems, Microsoft SQL Server, MySQL.
CR - 31	8.16	8.16.8	84	10	The proposed solution must support both disk to disk backup and disk to tape backup at the same time.	The proposed solution must support both disk to disk backup, disk to tape backup and **disk to disk to tape backup.**
CR - 32	8.16	8.16.9	85	2	Offered appliance shall be certified to work with at-least 3 Backup application vendor ISV like HPE Zerto, Veeam, Commvault etc.	**The offered appliance shall be certified to work with backup applications part of the leaders quadrant of "Magic quadrant for Enterprise Backup and Recovery Software Solutions"**
CR - 33	8.16	8.16.8	85	27	The proposed backup solution should provide search capability from a web portal to allow search for a single file from complete backup	The proposed backup solution should provide search capability from a web portal to allow search for a single file from complete backup/**Restore point**
CR - 34	8.16	8.16.11	87	2	CPU2 x Third Generation Intel Xeon-Gold 6348 Processor · Clock speed - 2.60 GHz and above · Cores per processor - 28 cores or above · Cache - 20 Mb cache or above	CPU 2 x Third Generation Intel Xeon-Gold 6348 Processor **or better processor from the same Intel Family (with equivalent or better Clock speed,cores, cache). Effectively processor should be equivalent or better performing than Intel Xeon Gold 6348 Processor**."
CR - 35	8.16	8.16.10	87	7	Offered Library shall be provided with a hardware device like USB key, separate appliance etc. to keep all the encrypted keys in a redundant fashion	Offered Library shall be provided with a hardware device like USB key, separate appliance or **Industry Standard Application Managed Encryption (AME) etc. to keep all the encrypted keys in a redundant fashion." The Bidder must provide the required licence/agents for the solution.**
CR - 36	8.16	8.16.10	87	9	Offered LTO-8 drive shall also support LTO-7 – Type M media so that native cartridge capacity of LTO-7 cartridge can be increased to 9TB	**The offered solution to be LTO-8 drive,With 2 nos of LTO-8 and cleaning cartiges each.**
CR - 37	8.16	8.16.12	89	1.1	The OEM for the proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 1 year.	The OEM for the proposed switches should be part of Gartner Leader Quadrant for DC Networking in the **latest published and available report 2020 or later.**
CR - 38	8.16	8.16.13	93	7.4	The switch supports Unidirectional Link Detection Protocol (UDLD)	**Bidder may propose any other suitable / better data link layer protocol such as Device Link Detection Protocol (DLDP), Extreme Link Status Monitoring (ELSM) , Link-state Tracking etc. during the solutioning.**
CR - 39	8.16	8.16.13	94	10.4	WARRANTY FOR TAPE LIBRARY, 5 years OEM onsite warranty and support. OEM should provide 24X7X4 support	**Warranty is for 3 years and AMC for 4th and 5th year**

CR - 40	-	-	-	-	New Clause	**The Bidder / SI shall submit the bid with one and only one OEM for every Hardware/Software/Virtualization Layer. Multiple bids by same bidder/SI or single bid with multiple OEM's will be disqualified**
CR - 41	8.16	8.16.3	77	-	New Clause	**The proposed solution should include with file service capability with 10 TB file service license**
CR - 42	3.2	3.2.1	14	11	Management Switches 24 x 10/100/1000 Mbps RJ45 ports and additional 4 x 10G SFP+ (DC location) - Quantity Required = 2	Management Switches 24 x 10/100/1000 Mbps RJ45 ports and additional 4 x 10G SFP+ (DC location) **- Quantity Required = 1**
CR - 43	3.2	3.2.1	14	12	Management Switches 24 x 10/100/1000 Mbps RJ45 ports and additional 4 x 10G SFP+ (DR location) - - Quantity Required = 2	Management Switches 24 x 10/100/1000 Mbps RJ45 ports and additional 4 x 10G SFP+ (DR location) **- Quantity Required = 1**
CR - 44	8.16	8.16.2	75	4	The solution shall provide the ability to boot from iSCSI, FCoE, Fibre Channel SAN, locally attached USB storage and network PXE boot	The solution shall provide the ability to boot from either of the following iSCSI, FCoE, Fibre Channel SAN, locally attached USB storage network, PXE boot, **M.2 boot disk** etc.
Note: All other clauses/Terms & conditions except above shall remain same as per RFP (RFP Reference Number: IT-03/2022-23)						