

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 1 OF 25
	<p>TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.</p> <p>CORRIGENDUM NO. 1</p>	

CORRIGENDUM No. 1, DATED 06.09.2023

FOR

TENDER NO. BNPM/NCB/232/2023-24, DATED 21.08.2023

**TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF
HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS,
EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.**



BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 2 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

1.0 SCOPE OF THIS CORRIGENDUM

1.1 This corrigendum dated 06.09.2023 is issued for clarification and amendment of tender terms.

1.2 Except for details mentioned herein, all other details contained in the tender no. BNPM/NCB/232/2023-24 dated 21.08.2023, shall remain applicable and unchanged.

2.0 **Detail of Corrigendum based on pre bid queries are as under:**

2.1 CLARIFICATION TO THE TENDER CLAUSE:

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
1	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause A. Scope of work (For HCI), Pg. 40	Bidder needs to deploy onsite OEM certified engineer for Design, Implementation, Migration, Testing, Documentation & training.	What is the certification criteria for the Bidder? Does this mean a basic level technical/services certification on the OEM technology? Any specific format in which this needs to be submitted by the bidder?	Engineer should be OEM certified irrespective of level of certification

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 3 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
2	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, - Clause 1. HCI : Compute and Storage Requirement, Pg. 41	The solution should provide 35TB all-flash usable capacity after all overheads with N+1 failover.	The solution should provide 35TB all-flash or hybrid usable capacity after all overheads with N+1 failover. Any reason why AF is required? Can we suggest a hybrid cluster and have the OEM offer features like intelligent/auto tiering of data to negate the need for having an AF?	As per tender
3	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause A. Scope of work (For HCI) Pg. 40	All the components of HCI such as compute nodes, hypervisor OS, storage disks, management software troubleshooting and failure logistics should be responsibility of single OEM for call logging and should have single	All the components of HCI such as compute nodes, hypervisor OS, storage disks, management software troubleshooting and failure logistics should be responsibility of single or two OEM(s) for call logging and should have single management Dashboard & support from single or two OEM(s).	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 4 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		management Dashboard & support from single OEM		
4	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause 1. HCI : Storage Architecture, Pg. 42	The solution should support Data at rest encryption. Licenses may not be included with HCI solution.	The solution should support Data at rest encryption. Licenses should be included with HCI solution from Day 1. Request customer to include these licenses from Day 1. Recommendation from Nutanix is to ensure Data Security is not an afterthought and is protected at all layers, specially considering that the customer is already investing in micro-segmentation for east-west traffic management.	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 5 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
5	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause- A. Scope of work (For HCI), Pg. 40	The System Integrator has to ensure the market availability of the offered product for minimum 7 years after commissioning and thereby required to furnish certificate from HCI OEM that the supplied hardware & software will be available in market for a minimum duration of seven (7) years from the date of commissioning.	Please clarify if we can include this in the MAF document itself?	May be submitted as per SEC IX: Qualification/Eligibility Criteria: Experience & past performance: Documents required in support of eligibility criteria : point a , however offered products detail has to be mentioned clearly
6	SECTION II - GIT, Point 16.2, a) Pg 9 , and SECTION XIV– MANUFACTURER 'S AUTHORIZATION	In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorized by the	Pg No 70 mentions that MAF not applicable to this tender. Please clarify if MAF is required or not.	Valid authorization certificate is required as mentioned below: Refer SEC IX: Qualification/Eligibility Criteria: Experience & past

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 6 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
	FORM, Pg 70	goods manufacturer to quote for and supply the goods to BNPM. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Volume I in this document.		performance: Documents required in support of eligibility criteria: point a. against the following: A. For Hyper Convergence Infrastructure: Valid authorized dealers / distributors / partners / resellers certificate issued by OEM providing HCI solution. Note: Validity means: Valid upto bid validity period of the tender. B. For Microsoft Windows Server OS, Exchange and Active Directory: a. Valid authorized dealers /

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 7 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
				distributors / partners / resellers certificate issued by Microsoft. Note: Validity means: Valid upto bid validity period of the tender. Bidders to submit documents accordingly.
7	SECTION IX, QUALIFICATION/ ELIGIBILITY CRITERIA, EXPERIENCE & PAST PERFORMANCE , Pg 54	A. For Hyper Convergence Infrastructure: a. The bidder should be an authorized dealer/ partner/ distributor / reseller of OEM providing HCI Solution. AND	Hyper converged infrastructure (HCI) involves integrating servers and storage within a distributed infrastructure framework, enhanced by intelligent software to establish adaptable building blocks. In your tender, we kindly urge you to seek out bidders with experience in HCI OR SITC of Server and Storage. By doing so, you encourage competitive bids.	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 8 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		b. Bidder should have successfully supplied and implemented at least one HCI Solution in the last 05 years ending on 31.08.2023.	However, it's important to acknowledge that specifying exclusively for HCI-related experience might impose restrictive conditions, potentially deterring numerous potential bidders from engaging in this tender process.	
8	SECTION IX, QUALIFICATION/ ELIGIBILITY CRITERIA, EXPERIENCE & PAST PERFORMANCE , Pg 54	<p>B. For Microsoft Windows Server OS, Exchange and Active Directory</p> <p>a. The bidder should be an authorized dealer/ partner/ distributor / reseller of Microsoft.</p> <p>AND</p> <p>b. Bidder should have successfully supplied and implemented at</p>	<p>Since this statement is asking for Similar work for Microsoft Windows Server OS, Exchange and Active Directory. Kindly clarify can we submit two Work Orders to meet this requirement.</p> <p>I.e. (One Order towards Microsoft Windows Server OS and Active Director, and Second Order for Exchange.)</p>	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 9 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		least one Email license in the last 05 years ending on 31.08.2023. Similar project means supply and implementation of Email license.		
9	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Compute and Storage Requirement, Pg 41	The proposed HCI solution should be proposed with minimum 4 Nodes and N+1 design.	The proposed HCI solution should be proposed with minimum 3 Nodes and N+1 design. The required cores & memory could be delivered using 3 nodes also, only a particular OEM requires 4 nodes to deliver this functionality so request you to leave it to the OEM's to deliver the required functionality as per there best practice.	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 10 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
10	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK. Pg 44	Layer 2 - 3 Features and IPv6 Ready logo certified from day one,	Request to change the specification to "IPv6 Ready or ready logo certified from day one". Request to accept the change as the proposed HPE Switch support all IPv6 features and security from day 1 required for any enterprise network	As per tender
11	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK. Others, Pg 45	Both switches must operate in stacked manner.	Need Clarify on this, however HPE switch supports High availability with industry leading VSX: maintain synchronous state across dual control planes allows a unique high availability solution. VSX is delivered through redundancy gained by deploying two chassis with an inter-switch link, with each chassis maintaining its independent control. Designed using the best features of existing HA technologies such as	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 11 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
			Multi chassis Link Aggregation (MC-LAG) - Aruba VSX enables a distributed architecture that is highly available during upgrades or control plane events. VSX enables a distributed and redundant architecture by deploying two switches with each switch, maintaining independent control yet staying synchronized during upgrades or failover. Also supports upgrades during live operation	
12	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause: 1. HCI: Compute and Storage Requirement, Pg	The solution should support non-disruptive rolling upgrades of HCI software including hypervisor, SDS, drives firmware, BIOS, network card complete hardware and system	Factory Installed with various software including Software Defined Storage and hypervisor. SDS and hypervisor should be integrated at kernel level within the appliance. In case of no in-kernel integration, additional 20% CPU and RAM capacity	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 12 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
	42	firmware from single console as a single patch pre-validated from the HCI OEM.	should be configured.	
13	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause: 1. HCI: Compute and Storage Requirement, Pg 41	The storage capacity to be configured with minimum data protection of 1 data copy or equivalent or higher i.e. RF2/RAID 10. The capacity should be absolute capacity without considering any data efficiency techniques as data deduplication and compression. Any other capacity required for metadata, host maintenance mode, component rebuilds etc. should be	Each node should have redundant boot/OS drive (BOSS disks) in mirror (RAID 1) configuration for high availability. Boot disks should be dedicated for operating system in addition to capacity and cache disks. If boot disks not available, bidder to add additional 2 x 400GB SSD drives per node to match the performance.	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 13 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		factored over and above the capacity. There should not be any single point of failure including boot drives. If redundant boot drives are not available, then 1 node with same configuration as supplied nodes, must be provided as cold spare.		
14	SECTION V- SPECIAL CONDITIONS OF CONTRACT : Sr No 8: Terms & mode of payment, Pg 32	100% payment shall be released within 30 days after successful completion of supply, installation, configuration, commissioning, migration, testing, training, Go- live and	Payment Terms Should be 60% On delivery of the Hardware and Software Licenses and 40% Once implementation and Training Completed.	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 14 OF 25
	<p>TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.</p> <p>CORRIGENDUM NO. 1</p>	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		<p>issuance of Final Acceptance Certificate (FAC).</p> <p>Payment shall be released in INR only.</p>		
15	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause: 1. HCI: Compute and Storage Requirement, Pg 41	The storage capacity to be configured with minimum data protection of 1 data copy or equivalent or higher i.e. RF2/RAID 10. The capacity should be absolute capacity without considering any data efficiency techniques as data deduplication and compression.	Please remove RAID 10	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 15 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
16	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause:1. HCI: Virtualization Management, Pg 43	The solution should include security features like distributed firewall, micro-segmentation and identity-based security for securing the applications and virtual machines. HCI solution should include the required License from Day1.	The solution should SUPPORT security features like distributed firewall, micro-segmentation and identity-based security for securing the applications and virtual machines.	As per tender
17	SECTION VII - TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause:1. HCI: Virtualization Management, Pg 43	Shall include direct OEM, L1, L2 and L3 support for 5-years, 8x5xNBD for hardware and 24x7x365 days with unlimited incident support (Telephonic/ Web/ Email) and technical contacts within 4 hours or	Shall include SINGLE OEM SUPPORT , L1 and L2 support for 5-years, hardware and software for 24x7x365 days with unlimited incident support (Telephonic/ Web/ Email) and technical contacts within 4 hours or less response time including the unlimited upgrades and updates	As per tender

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 16 OF 25
	<p>TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.</p> <p>CORRIGENDUM NO. 1</p>	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>BNPM reply</u>
		less response time including the unlimited upgrades and updates for software.	for software.	
18	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Sr No: Others	Both switches must operate in stacked manner.	Network: Kindly confirm on the Number of Switch required.	Minimum 02 numbers as per tender specification.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 17 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

2.2. AMENDMENT TO THE TENDER CLAUSE:

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
1	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Clause-A. Scope of work (For HCI), Pg. 40	The System Integrator has to ensure the market availability of the offered product for minimum 7 years after commissioning and thereby required to furnish certificate from HCI OEM that the supplied hardware & software will be available in market for a minimum duration of seven (7) years from the date of commissioning.	The System Integrator has to ensure support availability of the offered product for minimum 7 years after commissioning and thereby required to furnish certificate from HCI OEM that the supplied hardware & software can be supported for a minimum duration of seven (7) years from the date of commissioning. Committing an End of Sale/Market Availability of the offered product, typically Hardware for 7 years may not be feasible. We will need to request for this to be changed to End of Support/Support extension to 7 years if required by BNPMIPL.	The System Integrator has to ensure the market availability of the offered product for minimum 05 Years and support of minimum 07 years after commissioning and thereby required to furnish certificate from HCI OEM that the supplied hardware & software will be available in market for a minimum 05 Years and support of minimum 07 years from the date of commissioning.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 18 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
2	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause 2. Network: Sr No 1: Switch Hardware : Pg. 44 - Network	Minimum 24x 1/10G Base-T/SFP+ ports, minimum 4 x 40G QSFP+ ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded	Switch quantity missing. Based on that need to clarify no. of ports.	Minimum 24x 1/10G Base-T/SFP+ ports, minimum 4 x 40G QSFP+ ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded. Minimum 02 numbers as per tender specification, however any

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 19 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU. CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
				additional devices required may be accounted in the networking infrastructure price.
3	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, - Clause 1. HCI : Compute and Storage Requirement, Pg. 41	The proposed HCI solution should be proposed with minimum 4 Nodes and N+1 design.	The proposed HCI solution should be proposed with minimum dual socket 4 Nodes and N+1 design. Need to request customer that they may have missed adding dual socket per Node as mandatory, considering all production systems are defacto dual socket for increased performance and scalability reasons, with single socket designed for Edge/RoBo/Non-Prod environments.	The proposed HCI solution should be proposed with minimum dual socket 4 Nodes and N+1 design.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 20 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
4	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Compute and Storage Requirement, Pg 41	The solution should provide 35TB all-flash usable capacity after all overheads with N+1 failover.	The solution should provide 25TB all-flash usable capacity after all overheads with N+1 failover. As per the details provided in the RFP the current utilized capacity is much lower than the asked capacity, also the HCI solutions provide data reduction functionalities, so would request you to change the required capacity to 25TB.	The solution should provide 35TB all-flash usable capacity after all overheads with N+1 failover. This is to be considered after failure.
5	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Compute and Storage Requirement,	HCI solution should be scalable to 64 nodes, solution should be able to scale-up and/or scale-out. It should have capability of increasing the storage capacity by simply adding another hard drive	HCI solution should be scalable to 16 nodes, solution should be able to scale-up and/or scale-out. It should have capability of increasing the storage capacity by simply adding another hard drive in the existing physical	HCI solution should be scalable to minimum 16 nodes , solution should be able to scale-up and/or scale-out. It should have capability of

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 21 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
	Pg 41	in the existing physical node or by adding another physical server in the cluster.	node or by adding another physical server in the cluster. The required clause favours a particular OEM, also it contradicts the previous clause asking for scalability of 8 nodes.	increasing the storage capacity by simply adding another hard drive in the existing physical node or by adding another physical server in the cluster.
6	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Compute and Storage Requirement, Pg 41	The proposed HCI must natively support scale-out File Services (NFS and SMB) without use of 3rd party tools. HCI solution should include the required License for minimum 10TB of file storage from day 1.	The proposed HCI must natively support scale-out File Services (NFS or SMB) without use of 3rd party tools. HCI solution should include the required License for minimum 10TB of file storage from day 1. The file services could be delivered with either NFS or CIFS so request you to change the clause, in order to have more industry participation.	The proposed HCI must natively support File Services (NFS and SMB/CIFS) without use of 3rd party tools. HCI solution should include the required License for minimum 10TB of file storage from day 1.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 22 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
7	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Clause:1. HCI: Compute and Storage Requirement, Pg 41	The proposed HCI must natively support scale-out File Services (NFS and SMB) without use of 3rd party tools. HCI solution should include the required License for minimum 10TB of file storage from day 1.'	Remove scale out file services as scale out feature is different from standard services.	Refer point no 6 under Amendment to the tender clause of this corrigendum.
8	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Clause:1. HCI: Virtualization Management, Pg 43	The HCI solution shall support adding heterogeneous configuration nodes to the same cluster.	Please define Heterogeneous: is it combining storage All flash & Hybrid OR combining CPUs from different gen. in the same system.	The HCI solution shall support adding heterogeneous configuration nodes to the same cluster. This is w.r.t combining CPUs from different gen only.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 23 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
9	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Clause A. Scope of Work (For HCI) , Pg No 40	All the components of HCI such as compute nodes, network switches, hypervisor OS, storage disks, management software should be factory installed and shipped ready for fast deployment.	Not all the HCI OEMs have N/W switches. So all the components cannot be factory installed. Compute Nodes, Hypervisor OS and Storage Disks will come pre-installed from factory. Rest of the items will be installed after delivery.	All the components of HCI such as compute nodes, hypervisor OS, storage disks, management software should be factory installed and shipped ready for fast deployment.
10	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Clause A. Scope of Work (For HCI) , Pg No 40	The System Integrator has to ensure the market availability of the offered product for minimum 7 years after commissioning and thereby required to furnish certificate from HCI OEM that the supplied hardware & software will be available in market for a minimum duration of seven (7) years from the date of commissioning.	Availability of the Hardware and Software for 7 years after commissioning cannot be confirmed. System Integrator can provide confirmation from respective OEM that supplied Hardware and software will be supported for a period of 7 years after commissioning.	Refer point no 1 under Amendment to the tender clause of this corrigendum.

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 24 OF 25
	TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.	
	CORRIGENDUM NO. 1	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
12	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Clause A. Scope of Work (For HCI) , Pg No 40	The proposed HCI solution should be a factory shipped engineered & integrated appliance. All the components of HCI such as compute nodes, hypervisor OS, storage disks, management software should be factory installed and shipped ready for fast deployment.	Compute Nodes, Hypervisor OS and Storage Disks will come pre-installed from factory. Rest of the items will be installed after delivery.	The proposed HCI solution should be a factory shipped engineered & integrated appliance. All the components of HCI such as compute nodes, hypervisor OS, storage disks, should be factory installed and shipped ready for fast deployment. However HCI OEM's management software can be installed during deployment.
13	SECTION VII – TECHNICAL SPECIFICATIONS & SCOPE OF WORK, Sr No:	The HCI solution should consist of minimum usable 80 cores and minimum usable 640 GB of RAM memory.	If we take 4 Nodes with N+1 design consideration. Do we need to consider usable 80 cores and 640GB of RAM even after failure of one	The HCI solution should consist of minimum usable 80 cores and minimum usable 640

BNPM/NCB/232/2023-24, DATED 21.08.2023	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 25 OF 25
	<p>TENDER FOR SUPPLY, INSTALLATION, CONFIGURATION, COMMISSIONING, MIGRATION OF HYPER CONVERGENCE INFRASTRUCTURE (HCI), MICROSOFT WINDOWS SERVER OS, EXCHANGE AND ACTIVE DIRECTORY AT BNPMIPL, MYSURU.</p> <p>CORRIGENDUM NO. 1</p>	

<u>Sl. No.</u>	<u>Tender clause</u>	<u>Existing Tender Terms</u>	<u>Query from the prospective bidders</u>	<u>To be amended as</u>
	Others		Node in 4 node design?	GB of RAM memory. This is to be considered before failure.
14	SECTION VII – TECHNICAL SPECIFICATION S & SCOPE OF WORK, Sign off criteria	Final acceptance of the entire project shall be done after 30 days of stabilisation period (starts from the go-live date) included in stage 4 as per project schedule.	–	Final acceptance of the entire project shall be done after 30 days of stabilization period (starts from the go-live date).