RAJASTHAN HIGH COURT, JODHPUR

Corrigendum cum Clarification

No. HC/SK/2024-25/544   Dated: 17.01.2025

Ref: NIT No. NIT No.HC/SK/Procurement/2024-25/77 Date 21.12.2024

Sub: Bids for the Supply, Installation & Maintenance of 01 number of Server, 01 number of Rack, 01 number of Storage (Nas 500TB), 02 number of Network 24/48 port switches, 01 number of Firewall, 54 number of LED display 55 inch, 18 number of VC Unit, 18 number of Surround Sound System, 18 number of Assistive Listening System, 18 number of Scanner, 18 number of Tablet/Wacom Tablet/I-Pad pro, 18 number of PTZ Camera, 12 number of PDF Toolkit software, 18 number of Speech Text Software, 12 number of LED Display 65 inch, 381 number of Telephone, 124 number of Projector with Screen, 06 number of ATEM Television Studio + AJA U-Tab HDMI and 96 number of Microphone cum Speaker at Subordinate Courts of Rajasthan, High Court, Jodhpur and Jaipur Bench, Jaipur under E-Court Project Phase-III

I am directed to issue a corrigendum cum clarification after Pre-bid meeting for the advertisement of Bids for the Supply, Installation & Maintenance of 01 number of Server, 01 number of Rack, 01 number of Storage (Nas 500TB), 02 number of Network 24/48 port switches, 01 number of Firewall, 54 number of LED display 55 inch, 18 number of VC Unit, 18 number of Surround Sound System, 18 number of Assistive Listening System, 18 number of Scanner, 18 number of Tablet/Wacom Tablet/I-Pad pro, 18 number of PTZ Camera, 12 number of PDF Toolkit software, 18 number of Speech Text Software, 12 number of LED Display 65 inch, 381 number of Telephone, 124 number of Projector with Screen, 06 number of ATEM Television Studio + AJA U-Tab HDMI and 96 number of Microphone cum Speaker at Subordinate Courts of Rajasthan, High Court, Jodhpur and Jaipur Bench, Jaipur under E-Court Project Phase-III as under:-

S.No	Page No. of NIT	Clause	Specifications as per tender documents	Corrigendum/Clarification
		Item No. 1 Server		
1	21	Processor Configuration	64-bit x86 processor fully binary compatible to 32-bit applications	Latest generation of 64-bit x86 processor fully binary compatible to 32-bit applications with minimum 24 cores
2	21	DDR5RAM upgradable up to (Minimum)	3.0 TB	8.0 TB
3	21	Hard Disk drive Capacity (GB)	480 GB x3 for OS and 4x1.92 TB SSD-SAS 12 Gbps or better	480 GB x2 for OS and 4x1.92 TB SSD-SAS 12 Gbps or better
4	21	RAID Controller Caches (MB)	2000 MB with battery backup	8 GB with adequate battery backup
5	21	Bays (min. 2 internal or more hot plug)	5 or more	10 or more
6	22	Certifications, Compliance & support by Windows, Red Hat or Novell	OS Certification Compliance : Windows, Linux (RedHat, SuSe, Cent OS, Ubuntu)and any other compatible OS Virtualization / Cloud Platform : Microsoft Windows, VMWare, OpenStack, Kubernetes Certification for Compliance	OS Certification Compliance : Windows, Linux (RedHat, Ubuntu) and any other compatible OS. Virtualization / Cloud Platform : Microsoft Windows, VMWare, OpenStack, Kubernetes Certification for Compliance
7	22	FC HBA Dual port card	Single port FC HBA Card 16/32 Gbps or higher (Qty- 2) 5M LC-LC cable for each HBA port	Dual port FC HBA Card 16/32 Gbps or higher (Qty- 2) 5M LC-LC cable for each HBA port
8	26	USB Ports (Version 2.0/3.0)	4 or more	6 or more (minimum 2 ports USB 2.0 and 4 ports of USB 3.0)

		Item No. 2 Racks		
1	23	Cooling Capacity	7KW or more	7KW or more with N+N redundancy
2	23	UPS Capacity	6 KVA or higher	6 KVA or higher with N+N redundancy
3	23	LCD Console	Yes	Yes, as per industry standards
		Item No. 3 Storage NAS 500 TB		
5	23	Hardware Form Factor of Storage System (RU)	2U, Rack mountable	2U, Rack mountable, as per the architecture
6	23	Total no of drive slot populated with SSD	To be provided by vendor	To be provided by vendor as per standard architecture
7	23	Total no of drive slot populated with Flash Drive	To be provided by vendor	To be provided by vendor as per standard architecture
8	23	Total no of drive slot populated with SAS	To be provided by vendor	To be provided by vendor as per standard architecture
9	23	Total no of drive slot populated with NL-SAS	To be provided by vendor	To be provided by vendor as per standard architecture
	24	Type of Front-end Ports	FC, ISCSI, Ethernet, Fibre Channel over Internet	FC, iSCSI, Ethernet, Fibre Channel Over Internet, NFS, CIFS/SMB, NVMEoTCP, NVMEOFC,S3
	24	Type of Back-end Ports	SAS	NVME
	24	Number of Back-end Ports	4 or higher	2 or higher
	24	Speed of Back-end ports in Gbps	12	100 or better
	24	RAID Level Support	5/6 or equivalent	6 or higher
	24	Total Configurable Cache (GB)	768	1024 or better
	24	Type of Data Compression	NA	Controller based
	24	Type of Data Deduplication	NA	Controller based
	24	Protocols Supported by the storage system from day one	FC, ISCSI, CIFS, NFS, Fibre Channel over Internet	FC, iSCSI, CIFS, NFS, Fibre Channel over Internet, NFS, CIFS/SMB, NVMEoTCP, NVMEoFC, S3
	24	Scope of Supply	It includes installation, commissioning & integration together with all necessary software to make the system fully functional as intended	It includes installation, commissioning & integration together with all necessary software to make the system fully functional as intended. Should integrate the storage with existing storage, VM, server, applications at RHC. The ransomware solution should be provided such that it should be able to prevent, detect, protect and recover data from ransomware attacks. All required cables of appropriate length should be provided. Provide training, operational and technical support for storage management and maintenance. Bidder will ensure that OEM must provide a written confirmation to maintain support of the supplied product upto 10 years from date of installation.

Item No. 4 Network48 Port Switch				
10	25	Speed and Duplex	2.5/5/10 Gbps	1000 Base-T or Higher
11	25	Uplink Ports	SFP+ (10 Gigabit Ethernet SFP) for fiber optic connections	SFP+ (10 Gigabit Ethernet SFP) for fiber optic connections with SFP module for each port and should support 10G from day 1
	25	PoE (Power over Ethernet)	Yes, switch should support redundant hot swappable power supply and redundant fan	Yes, switch should have redundant hot swappable power supply and redundant fan from day one, PoE+ Enable, PoE Power Output Capability per port 30W
	25	Management Options	Web-based interfaces, command-line interfaces (CLI), and SNMP (Simple Network Management Protocol)	Web-based interfaces, command-line interfaces (CLI), and SNMP (Simple Network Management Protocol). Switch should support Netconf/YANG protocols for network Automation and should also support MACSec-128 on hardware for all ports.
Item No. 5 Firewall				
12	25	Fans and Power Supply	The offered firewall must be a single appliance and not a cluster and should be provided with redundant Fans and power supplies	The offered firewall must be a single appliance & not a cluster& should be provided with redundant Hot swappable fans & redundant Hot swappable power supplies
13	25	Storage	The NGFW should have 120 GB solid-state drives for System storage.	The NGFW Should have 240 GB or higher solid-state drives for system storage.
	26	Performance Capacity	A Minimum NG Firewall application control throughput - minimum 8 Gbps considering 100% HTTP flows with 64KB transaction size including Application-Identification/AVC/Application control and Logging enabled. The bidder shall submit the performance test report reference from public documents or from Global Product Engineering department / Global Testing Department/ Global POC	A minimum NG Firewall application controll throughput- minimum 8Gbps considering 100% L7 traffic including application-identification/AVC/Application controll and logging enabled. The bidder shall submit the performance test report reference from public documents or from Global product enginneering department/global testing department/Global testing Department/Global POC
			Minimum NG Threat prevention throughput by enabling and measured with Application-ID/AVC, User-ID/Agent-ID, NGIPS, Anti-Virus, Anti-Spyware, Anti Malware, File Blocking, Sandboxing, advanced DNS Security and logging security threat prevention features enabled - minimum 3 Gbps considering 100% HTTP flows with 64KB transaction size. The bidder shall submit the performance test report reference from public documents or from Global Product Engineering	Minimum NG Threat prevention throughput by enabling and measured with Application-ID/AVC, User-ID/Agent-ID, NGIPS, Anti-Virus, Anti-Spyware, Anti Malware, File Blocking, Sandboxing, advanced DNS Security and logging security threat prevention features enabled - minimum 3 Gbps considering 100% L7 traffic. The bidder shall submit the performance test report reference from public documents or from Global Product Engineering

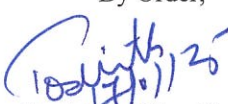|		Item No. 7 VC unit		
		(C) Display Unit for VC System with HDMI Cable		
14	31	Brightness	400 nits or more	300 nits or more
		(E) All In One Computer System		
15	34	OS Support	Latest version of Windows, Linux and Any other Compatible OS. Supplier to provide latest drivers for Windows, Linux (Ubuntu) and Any other compatible OS. Windows & Ubuntu Certified. Pre installed genuine Windows Pro latest OS with OEM declaration of genuine MS-Windows OS.	Latest version of Windows, Linux and Any other Compatible OS. Supplier to provide latest drivers for Windows, Linux (Ubuntu) and Any other compatible OS. Windows & Ubuntu Certified. Vendor will ensure installation of customized Ubuntu OS provided by RHC.
		Item No. 10 Scanner		
16	35	Scanner Type	ADF Auto Duplex Scanning with Integrated Flatbed	Auto Duplex Scanning - Sheetfed with Flatbed
17	35	Duty Cycle	Daily Volume 20,000 pages per day or higher	Daily Volume 10,000 pages per day or higher
	35	ADF Tray Capacity	200 sheets or more	100 sheets or more
	35	Imaging Features (inthescanner)	Automatic Image Orientation, Blank Page Removal, Automatic Crop &De-Skew, Image enhancement, batch separation, document merge	Automatic Image Orientation, Blank Page Removal, Automatic De-Skew, Image enhancement, batch separation, document merge
	35	Environmental Factors	ENERGYSTAR qualified scanners	Deleted
		Item No. 12 Camera - PTZ Camera Streaming		
19	37	Approvals	EMC & IEC - both	BIS, CE or equivalent
20				
		Item No. 13 PDF Toolkit Software		
21	38	Extract and edit text with OCR - Built-in optical character recognition (OCR) technology to extract text from any scan and convert it to an editable PDF. OCR should even recognize fonts and formatting, so the new PDF matches original paper document. Convert scanned/image-based PDFs to searchable or editable documents.		Extract and edit text with OCR - Built-in optical character recognition (OCR) technology to extract text from any scan and convert it to searchable PDF. OCR should even recognize fonts and formatting, so the new PDF matches original paper document. Convert scanned/image-based PDFs to searchable documents.
22				
		Item No. 16 Telephone (Hand Held Device)		
23	39	ScreenResolution	Full HD (1920x1080 pixels) or Quad HD (2560x1440pixels) or higher	HD or better
24	39	Comprehensive Carry-in Warranty	Three Years including battery and accessories	3 years on Handset & 6 months on Accessories

		Item No. 17 Projector with Screen		
28	39	Native Resolution	1920x1080,2K or better	XGA, 1024 x 768 or better. Preferrence may be given to higher resolution, if available in allotted budget for this item.
29	39	Brightness	3200 Lumens or more	3200 Lumens or more for both colour and white brightness
	39	Zoom	Manual Zoom(x1.2x)% or better	Manual Zoom (1.1x) or better
	39	Throw Ratio	1.37:1 to 1.80:1 or better	1.48:1 to 1.77:1 or better
	39	Ports	HDMI with MHL support, HDMI Port / DP port / DVI Port, Audio In, Audio Out, Video In, Analog RGB Out and Storage Media Port (USB - Type A)	HDMI Port / DP port / DVI Port, Audio In, Audio Out, Video In, Analog RGB Out and Storage Media Port (USB - Type A)
	40	Comprehensive On Site Warranty	Five(5)Years	3 years, including lamp replacement
		Item No 18 ATEM Television Studio + AJa U-Tap HDMI		
	40	Hardware Interface	USB, USB Type C	HDMI, USB, USB Type C
		Non - Technical		
30	11	Section 2.2..5	Approved samples of successful bidder would be retained by the Procuring Entity.	If Required

Note : Demonstration of Sever, Rack Storage, network Switch & Firewall are exempted. However, bidder will submit the technical & Operational Feedback from the use (preferably Government Department/PSU) where these items are installed and already in use

Corrigendum cum clarification is also available on Rajasthan High Court website www.hcraj.nic.in. The rest of contents of NIT will remain same.

By Order,

Registrar (Classification)