

Responses for the pre-bid meeting held on 14th Nov 2025

Ref: Tender No.: NCPOR/PS/DOM-35/PT-02.

S. no.	Tender Page# & Clause	Tender Clause Description	Bidder's Request for Clarification / Amendment	Pre-Bid Responses from NCPOR
1	42 / III. Smart Rack Solution / i. Server / Network Rack: Required Quantity: 5 no.	1. Server / Networking rack dimension–800mmW x 2000mm H x 1500mm D consisting of multi folded frame(minimum 7-fold) with 100mm Base Plinth. RAL7035 (Colour Grey)	Kindly Amend as : 1. Server / Networking rack dimension–800mmW x 2000mm H x 1800mm D consisting of multi folded frame(minimum 4-fold) with 100mm Base Plinth. RAL7035 /RAL 7021 (Colour Grey/Black)	Yes, considered partially. The changes is highlighted in red colour "Server / Networking rack minimum dimension of 800mmW x 2000mm H x 1500mm D consisting of multi folded frame(minimum 7-fold) with 100mm Base Plinth. RAL7035 (Colour Grey)"
2	42 / III. Smart Rack Solution / i. Server / Network Rack: Required Quantity: 5 no.	6. Surface Finish: textured polyester RAL 7035 grey colour with 80 to 120microns	6. Surface Finish: textured polyester RAL 7035 grey or RAL 7021 Black colour with 80 to 120microns	Yes, considered. To be read as "Textured polyester RAL 7035 grey or RAL 7021 Black colour with 80 to 120microns"
3	42/ ii. In-rack cooling units DX based for server/network racks:	Colour of the cooling unit RAL 7035 (Grey Colour)	Colour of the cooling unit RAL 7035 (Grey Colour) / RAL 7021 Black	Yes, considered. To be read as "Colour of the cooling unit RAL 7035 (Grey Colour) / RAL 7021 Black will be considered"
4	43/ iii. Monitoring & Remote Management system for server & Network racks	3. The unit is the central element of the monitoring system. Up to 32 sensors/CAN bus connection units can be connected. The unit can be connected to the data network via Ethernet, can be configured via Web/USB, can send alarms via an e-mail server and can be connected to the Network Management System of a company via SNMP. For industrial applications or for building management, an integrated OPC-UA sensor is available. By means of this unit, the monitoring system can be connected to the control room system	3. The unit is the central element of the monitoring system. Up to 32 sensors/CAN bus connection units can be connected. The unit can be connected to the data network via Ethernet, can be configured via Web/USB, can send alarms via an e-mail server and can be connected to the Network Management System of a company via SNMP. For industrial applications or for building management, an integrated OPC-UA sensor/ SNMP Protocol is available. By means of this unit, the monitoring system can be connected to the control room system	No change. As per the tender
5	43/ iii. Monitoring & Remote Management system for server & Network racks	4. Two redundantly configured 24 V DC connections are available for power supply. The system can also be supplied with power via Ethernet. In this case, the bus cables are used to supply the connected CAN bus with energy.	Kindly accept two redundant 230V AC input for the monitoring unit	No change. As per the tender
6	43/ iii. Monitoring & Remote Management system for server & Network racks	10. Protocols TCP/IPv4, TCP/IPv6, SNMPv1, SNMPv2c, SNMPv3, Telnet, SSH, FTP, SFTP with SSL ,HTTP, HTTPS with SSL, NTP, DHCP, DNS, SMTP, Syslog, LDAP, Radius, OPC-UA, Modbus/TCP, RS-232	10. Protocols TCP/IPv4, SNMPv1, SNMPv2c, SNMPv3, Telnet, SSH, FTP, SFTP with SSL ,HTTP, HTTPS with SSL, NTP, DHCP, DNS, SMTP, Modbus/TCP, RS-232	No change. As per the tender
7	43/ iii. Monitoring & Remote Management system for server & Network racks	11. Each unit should have Temperature / Humidity Sensor – 2 per rack Leakage Sensor– 1per rack, Door Access Sensor–1 per rack; GSM module with port –1 set	11. Each unit should have Temperature / Humidity Sensor – 2 per rack Leakage Sensor– as per OEM design, Door Access Sensor–1 per rack; GSM module with port –1 set	Yes, considered. The changes is highlighted in red colour Each unit should have Temperature / Humidity Sensor – 2 per rack Leakage Sensor– as per OEM design , Door Access Sensor–1 per rack; GSM module with port –1 set

8	43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	1. Compact power distribution system for use in IT servers and network enclosures. Vertical mounting using the universal support (supplied) for common IT racks. Sturdy aluminum enclosure with fixed output slots (EN60320/C13 or EN60320/C19, depending on the type). A fixed connection cable with a CEE connector is installed, so that the PDU is immediately ready for use.	1. Compact power distribution system for use in IT servers and network enclosures. Vertical mounting using the universal support (supplied) for common IT racks. Sturdy metal enclosure with fixed output slots (EN60320/C13 or EN60320/C19, depending on the type). A fixed connection cable with a CEE connector is installed, so that the PDU is immediately ready for use.	No change. As per the tender
9	43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	2.The “PDU metered and switching” has extensive management features for the power / output monitoring and switching function of each socket. The basic configuration can be set via the integrated Organic Light Emitting Diode (OLED) colour display, and the electrical consumption data per socket shall be accessed rapidly. Remote access to the PDU’s Web server is possible via the network interface	2.The “PDU metered and switching” has extensive management features for the power / output monitoring and switching function of each socket. The basic configuration can be set via the integrated LCD/ LED display , and the electrical consumption data per socket shall be accessed rapidly. Remote access to the PDU’s Web server is possible via the network interface	No change. As per the tender
10	43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	3.The consumption parameters shall be transmitted to a DCIM software application via SNMP. Up to four sensors (temperature/humidity/ access) can be connected to the CAN-interface to monitor the environmental parameters - Required Quantity: 8 Nos	Considering 5 no. IT Racks the PDU count should be 10 no. Kindly confirm .	Required Quantity : 10 Nos
11	43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	7. PDU Dimensions should not exceed: Width:44mm Depth:70mm Length:1740mm	Kindly accept dimension of the PDU as per OEM Design Standard	No change. As per the tender
12	43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	10. Certifications: EAC (RU) Declaration of conformity: (EN, DE)	10. Certifications: EAC (RU) Declaration of conformity: (EN, DE) or equivalent	No change. As per the tender
13	44 / v. Safety & Security Systems:	a. 1U Rack-mountable fire detection and suppression system (Master & Slave) with VESDA	We understand that the VESDA system is separate standalone system. Kindly confirm.	No change. As per the tender
14	44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	2. 1U rack mountable device that should have high sensitivity smoke detection with active sampling. It should have a built-in FK-5-1-12 suppression system sufficient for 1 IT rack with integrated fire panel, actuator, discharge nozzle and complete piping with accessories.	Kindly accept common fire alarm & suppression system for complete smart rack set up , mounted seperately on wall or utility rack to avoid consumption of any U space inside the IT Racks.	No change. As per the tender
15	44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	4.Rack-mountable fire detection and suppression system should be able to configure master and slave manner for ease of controlling and monitoring remotely via master in case of multiple units. 5. Required Quantity: Master – 1 no. and Slaves – 4 nos	Kindly accept common fire alarm & suppression system for complete smart rack set up , mounted seperately on wall or utility rack to avoid consumption of any U space inside the IT Racks.	No change. As per the tender
16	45 / b. Rack Door Features	1. Automatic rack rear door opening function during critical period is mandatory for server, storage and network racks	1. Automatic front & rack rear door opening function during critical period is mandatory for server, storage and network racks	Ok, considered. The changes is highlighted in red colour. "Automatic front & rack rear door opening function during critical period is mandatory for server, storage and network racks"

17	45 / 12.6b3. Door switch	1. Integrated switching contact button as opener in the In-Rack Cooling Unit with Rated Voltage 250 V AC and maximum current 2A	Kindly consider Door sensors for IT Racks only.	No change. As per the tender
18	38 and 61 CCTV and Bio-metric	Supply, Installation, Testing & Commissioning of multi-layer physical security infrastructure like bio-metric based access control, CCTV System as per requirement.	request you to kindly clarify the qty of CCTV camera & Access control to be considered	Number of CCTV Camera: 2 Partition Door Access: 01 Total racks: 5 (1 per unit × 5 units), with centralized and individual rack-level control access.
19	38 and 61 CCTV	Visual Surveillance system	request you to kindly suggest the how many days recording is needed	No of days recording: 15 Days
20	39 / Consolidated Server Infrastructure Solution	The proposed Solution should have at least 320 cores across a maximum of 10 Server nodes.	request you to kindly clarify NCPOR need 5 server or 10 nos of servers	5 node server
21	39 / Consolidated Server Infrastructure Solution	The solution should provide SAN Disk Storage Solution with three/two number of 500 TB usable with NVMe SSD Disk	request you to change this as "The Server should have minimum three 960GB NVMe SSD Disk with Raid five support"	The proposed server should have additional minimum three 960 GB NVMe SSD disk with Raid 5 support
22	22/ Performance Security	The amount of Performance Security is 5% of the PO / Contract price denominated in Indian Rupees and shall be in one of the following forms:	Request you to kindly change the The amount of Performance Security from 5% to 3%	No change. As per the tender document
23	29/ Payment	Payment to the Contractor will be made within 30 days upon submission of bills after satisfactory completion of the entire work	Request you to kindly change the The payment terms as 80% on Delivery 10% on racking, stacking and power on and 10% on Golive	60% of the payment will be made upon delivery of the items outlined in the tender document. The remaining 40% will be paid after the system goes live, submission of the original signed
24	Page No 71 and Sr No 4	Controllers All the storage controllers should be in active/active configuration. Should be scalable to 4 controllers and All the Disks should be accessible to all the Nodes/Controllers without any dependency on any other controllers. Controllers must support - Redundant Hot Pluggable Power and Cooling modules. - Dedicated firmware/OS for storage processing only Minimum 256GB cache per controller with battery backup or equivalent write data protection ensuring that any data in cache is preserved or protected in the event of a power failure. Storage offered should be provided with minimum 300K IOPS, 70/30 Read Write ratio, 16KB	All the storage controllers should be in active/active configuration. Should be scalable to 12 controllers and All the Disks should be accessible within Nodes/Controllers pair without any dependency on any other controllers. The Storage system offered must be a true unified and scale-out system offering NAS (SMB & NFS) , SAN (block) and object protocol. The Storage supplied should be an appliance with a Single Microcode offering all protocols and should not be based on server based General Purpose Filesystems or Operating systems such as Linux, Windows etc. - Minimum 512GB DRAM cache per controller with battery backup or equivalent write data protection ensuring that any data in cache is preserved or protected in the event of a power failure. Storage offered should be provided with minimum 350K IOPS, 70/30 Read Write ratio, 8KB	It is partially considered and the changes are highlighted in red colour. "All the storage controllers should be in active/active configuration. Should be scalable to minimum 4 controllers and All the Disks should be accessible to all the Nodes/Controllers without any dependency on any other controllers." It is partially considered and the changes are highlighted in red colour. "Minimum 512 GB DRAM cache per controller with battery backup or equivalent write data protection ensuring that any data in cache is preserved or protected in the event of a power failure." No change. As per the tender document

		The Storage Array should be supporting any 3 Nodes/Controllers failure within the Storage Array when the Storage Array is having more than 3 Nodes/Controllers.	The Storage Array should be supporting any 1 Node/Controller failure within the Storage Array/HA pair, the proposed Storage should be scalable to minimum 240 NVMe SSD drives	To be read as " The Storage Array should be supporting any Node/Controller failures within the Storage Array when the Storage Array is having more than 3 Nodes/Controllers."
		Offered storage controller shall be based upon at least PCI 4.0 technology	Offered storage controller shall be based upon at least PCI 4.0 or higher technology	No change. As per the tender document
25	Page No 53 and Sr No 2 / 39 Sr No 5	The proposed Solution should have at least 320 cores across a maximum of 10 Server nodes.	Query - Please confirm how many nodes are needed here.	The changes highlighted in red colour "The proposed Solution should have at least 320 cores across a maximum of 5 Server nodes."
26	Page No 40	Hypervisor and Management Node's Software	Query – Are you any specific Hypervisor or any latest offering (Microsoft / VMware or Linux KVM virtualization) is ok ? What is the current environment ?	No Change. As per the tender document
27	Page No 40	Hypervisor and Management Node's Software	Query – Any integration or migration to be considered as scope, please share the details ?	Application and data base level integration will be done. Moreover, at the time of implementation, more details will be provided
28	Page No 41 and Sr No 3		Do you require a RAID controller or Pass Thru ?	Raid controller support
29	Page No 41 and Sr No 3		is there a HA node to be factored additionally ? Is high-availability clustering or failover required ?	No Change. As per the tender document
30	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	Considering 5 no. IT Racks the PDU count should be 10 no. Kindly confirm .	The qty : 10
31	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	Kindly accept dimension of the PDU as per OEM Design Standard	No Change. As per the tender document
32	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	Pg.No. 43/ iv. Power Distribution Unit (PDU)/ a. Managed IP PDU Specification	10. Certifications: EAC (RU) Declaration of conformity: (EN, DE) or equivalent	No Change. As per the tender document
33	Pg.No. 44 / v. Safety & Security Systems:		We understand that the VESDA system is separate standalone system. Kindly confirm.	No change. As per the tender document
34	Pg.No. 44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	Pg.No. 44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	Kindly accept common fire alarm & suppression system for complete smart rack set up , mounted seperately on wall or utility rack to avoid consumption of any U space inside the IT Racks.	No Change. As per the tender document
35	Pg.No. 44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	Pg.No. 44 / v. Safety & Security Systems: a. 1U Rack-mountable fire detection and suppression system	Kindly accept common fire alarm & suppression system for complete smart rack set up , mounted seperately on wall or utility rack to avoid consumption of any U space inside the IT Racks.	No Change. As per the tender document
36	Pg.No. 45 / 12.6b3. Door switch	Pg.No. 45 / 12.6b3. Door switch	Kindly consider Door sensors for IT Racks only.	No Change. As per the tender document
37	Pg.No. 41	iv. 32 Gbps SAN Switch	Clarification - What is the backbone 10G upgradable to 25G for future proofing or 10G itself is sufficient	No Change. As per the tender document
38	Pg.No. 37	Payment / Delivery	delivery and installation within 3 months which is very tight on schedule as it's a turnkey project.	No Change. As per the tender document
39	Pg.No. 3	Last Date	Since, we are expecting there to be corrigendum after queries, can we request for extension for additionl 2 weeks from 8th Nov 2025 (while meantime th ecorrigendum will come up and that will help us to close on solution changes if any)	22nd December 2025 at 5PM

40	Pg.No. 37 and Sr. No. 11	Payment	Payment will be made only after submission of performance security and signing of 'Agreement of Contract'. 100% payment will be made within 30 days upon successful completion of the end-to-end solution, including testing and commissioning of the proposed system and submission of the original signed invoice	Payment will be made only after submission of performance security and signing of 'Agreement of Contract'. 60% of the payment will be made upon delivery of the items outlined in the tender document. The remaining 40% will be paid after the system goes live, submission of the original signed
41	Eligibility Criteria S.No 3	The Bidder/ OEM who will be responsible for establishing the Consolidated Server Infrastructure Solution shall have a minimum of 50 node installations of the proposed Consolidated Server Infrastructure Solution / VM infrastructure in any organization.	Kindly confirm the period of the PO	Last 10 years PO/ WO will be considered
42	Eligibility Criteria S.No 4	Three similar completed works costing of at least Rs.4 Crore each OR Two similar completed works costing of at least Rs. 5 Crores each OR One similar completed work costing of at least Rs. 8 Crore	Kindly confirm the Work order of Similar Server and storage PO also Submit. Not mentioned the Duration	Yes, PO / WO of similar works either servers or storage system will be considered within last 10 years.
43	Technical Specifications and Quality Assurance	II. Proposed Consolidated Server Infrastructure Solution 2 * Intel Xenon Gold 64XX Series / AMD 9004 Series Processor, 32 Core with base frequency of minimum 2.0 GHz along with minimum 60 MB cache or Higher.	In the technical Specification, you have mentioned, The Solution shall provide N + 1 redundancy with active-active manner for the entire "Consolidated Server Infrastructure Solution". Proposed solution should not have any single point of failure in terms of its hardware components and Software. The proposed Solution should have at least 320 cores across a maximum of 10 Server nodes' while the Node server sizing is for an exact 320 cores. Need clarity on if you need 320 cores for use or 320 cores are inclusive of N+1?	320 Cores for inclusive of N+1