

Government of India
Ministry of Electronics and Information Technology
Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi

Dated 25.06.2018

Reply to Pre-bid queries (Pre-bid held on 25.06.2018): Tender No. 5(4)/2018-CERT-In

In continuation to Tender Notice of even number dated 18.06.2018, Comprehensive Maintenance Contract (CMC) of the Hardware (including system software) and application software, installed at CERT-In, the prospective bidders had certain queries in order to understand the feasibility and availability of the above mentioned tender. The queries of the prospective bidders and the CERT-In response are as follows: -

S.No.	Vendor Query	CERT-In Response
1.	M/s Sysnet asked for exemption as they are MSME registered company.	CERT-In replied that exemption applicable as per terms and conditions laid down by Govt. of India for MSME.
2.	M/s 3I Infotech Ltd enquired if automated call logging system has to be deployed for CERT-In	CERT-In replied that it is not an essential requirement however the bidder can deploy the same without effecting the CERT-In network policy.
3.	M/s 3I Infotech Ltd requested for capping for penalty clause.	CERT-In replied that the capping for penalty is already mentioned in tender document at page number 4 paragraph named "down time penalty"

S.No.	Vendor Query	CERT-In Response
4.	M/s 3I Infotech Ltd enquired that the order will be issued for one year and CMC in tender is for three years in that case should performance security be submitted for one year or three year.	CERT-In replied that the performance security clause is already mentioned in tender document at page number 6 paragraph named "Performance Security"
5.	M/s 3I Infotech Ltd asked for the serial number of equipment listed in tender document.	As understood serial numbers of equipment is required for placing back to back contracts for maintenance with the OEMs. Items for which back to back maintenance is required, are published in annexure-I. Serial numbers of all listed items in annexure-1 are here by being provided for the same.(attached)
6.	M/s 3I Infotech Ltd enquired about the clause number ii of page number 9 "The bidder should have an office in the Delhi state/NCR with support centers manned with their own qualified engineers across India with a Toll Free number". They requested for relaxation in this clause as they do not have toll free number.	Toll free number or dedicated phone at help desk is required.
7.	M/s 3I Infotech Ltd asked for the number of support engineers, bidders has to deploy at CERT-In.	CERT-In replied that one support engineer of L3 level is required as mentioned in tender document.
8.	M/s 3I Infotech Ltd requested for 45 days prior notice before forfeit the Bank Guarantee on penalty.	No Change.

Serial Number 9 to 25 Queries raised by M/s Wipro through Email

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
9	4	A	Problem Resolution Time (PRT)	As per RFP	<p>I. Down time penalty beyond 12 hours would be 10 times of the CMC rate per day or part thereof, rounded off to the nearest multiple of Rs. 100/-.</p> <p>II. Aggregate Downtime penalty in a quarter under this agreement shall not exceed 5% of the quarterly maintenance charges regardless of its form</p> <p>III. BG may be forfeited once the penalty cap is exhausted and the problem is still not set right.</p>	No Change
10	5	B	General Terms and Conditions	CERT-In, DeitY reserves the right to modify and amend any of the stipulated terms & conditions / criteria mentioned herein, depending upon project priority vis-à-vis urgent commitments. The Competent Authority also reserves the right to reject or cancel any or all tenders without assigning any reason thereof.	<p>Bidder requests modification: -</p> <p><u>At any time before the last date of submission of the bid,</u> CERT-In, DeitY reserves the right to modify and amend any of the stipulated terms & conditions / criteria mentioned herein, depending upon project priority vis-à-vis urgent commitments. The Competent Authority also reserves the right to reject or cancel any or all tenders without assigning any reason thereof.</p>	No Change
11	5	10	General Terms and Conditions	CMC bids are invited for a period of three years. CMC will be awarded initially for a period of one year to the selected / successful tenderer. However, based on performance of the selected tenderer during the last year, CMC will be renewed for the group next year, subject to a maximum period of three years. The tenderer should quote for CMC charges for all items of a make-wise group for all the three years separately.	<p>Bidder requests modification: -</p> <p>CMC bids are invited for a period of three years. CMC will be awarded initially for a period of one year to the selected / successful tenderer. However, based on performance of the selected tenderer during the last year, CMC will be renewed for the group next year, subject to a maximum period of three years on mutually agreed terms & conditions. The tenderer should quote for CMC charges for all items of a make-wise group for all the three years separately.</p>	No Change

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
12	6	B(19)	Limitation of Liability	Notwithstanding anything contained herein, neither party shall be liable for any indirect, consequential or incidental damages under this CMC and the aggregate liability of the vendor, under this CMC, shall not exceed the fees received by it under this CMC. In no event shall the vendor's maximum aggregate liability under this CMC, regardless of form of claim, exceed the particular order value under which the claim arose.	Bidder requests modification: - Notwithstanding anything contained herein, neither party shall be liable for any indirect, consequential or incidental damages under this CMC, regardless of the form of claim and the aggregate liability of the vendor, under this CMC, shall not exceed the fees received by it under this CMC. In no event shall the vendor's maximum aggregate liability under this CMC, regardless of form of claim, exceed the annual value of the particular order value under which the claim arose.	No Change
13	7	B	Force Majeure	During Force Majeure i.e. Acts of God, War, Floods, Riot, Earthquake, General Strike, Lock ants, Epidemics, Civil Commodities, the bidder shall provide their best possible service in given circumstances. Rates quoted by the Bidder shall be final and no negotiation will be held.	Bidder requests modification: - During Force Majeure i.e. Acts of God, War, Floods, Riot, Earthquake, General Strike, Lock ants, Epidemics, Civil Commodities, the bidder shall provide their best possible service in given circumstances. Rates quoted by the Bidder shall be final and no negotiation will be held.	No Change
14	NA	NA	Taxes	Clause to be added	Any increase or decrease in the rates of the applicable taxes or any new levy on account of changes in law shall be to the account of Customer.	Taxes will be paid as per actual at the time of billing.
15	NA	NA	Savings Clause	Clause to be added	Bidder's failure to perform its contractual responsibilities, to perform the services, or to meet agreed service levels shall be excused if and to the extent Bidder's performance is effected , delayed or causes non-performance due to Customer's omissions or actions whatsoever.	Reference to the tender document page number 9 named "Eligibility Criteria" Clause number vii " The bidder should not add any condition or clause of its own. "

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
16	NA	NA	Deemed Acceptance	Clause to be added	Services and/or deliverables shall be deemed to be fully and finally accepted by Customer in the event when Customer has not submitted its acceptance or rejection response in writing to Bidder within 15 days from the date of installation/commissioning or when Customer uses the Deliverable in its business, whichever occurs earlier. Parties agree that Bidder shall have 15 days time to correct in case of any rejection by Client.	Do
17	NA	NA	SNR	Clause to be added	Customer hereby agrees to make the site ready as per the agreed specifications, within the agreed timelines. Customer agrees that Bidder shall not be in any manner be liable for any delay arising out of Customer's failure to make the site ready within the stipulated period, including but not limited to levy of liquidated damages for any delay in performance of Services under the terms of this Agreement.	Do
18	NA	NA	Transfer of risk and title	Clause to be added	Bidder assumes that the title of ownership and risk of the goods supplied under this Contract is passed onto Customer on delivery of the material at the Customer location.	Do

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
19	NA	NA	Termination	Clause to be added	<p>Either Party shall have the right to terminate this Agreement at any time: With Cause – in the event that the other party commits a material breach of the Agreement and fails to cure such default to the non-defaulting party’s reasonable satisfaction within thirty (30) days.</p> <p>In the event of termination by owner, the Bidder shall be paid for the:</p> <ol style="list-style-type: none"> 1. goods delivered 2. services rendered 3. work in progress 4. unpaid AMCs 5. third party orders in pipeline which cannot be cancelled despite Bidder's best efforts 5. unrecovered investments shall be paid by customer as per termination schedule till the date of termination. 	Do
20	NA	NA	Change Orders	Clause to be added	<p>Either party may request a change order (“Change Order”) in the event of actual or anticipated change(s) to the agreed scope, Services, Deliverables, schedule, or any other aspect of the Statement of Work. Bidder will prepare a Change Order reflecting the proposed changes, including the impact on the Deliverables, schedule, and fee. In the absence of a signed Change Order, Bidder shall not be bound to perform any additional services.</p>	Do
21	NA	NA	Pass through Warranties	Clause to be added	<p>Since Bidder is acting as a reseller of third products, Bidder shall “pass-through” any and all warranties and indemnities received from the manufacturer or licensor of the products and, to the extent, granted by such manufacturer or licensor, the Customer shall be the beneficiary of such manufacturer’s or licensor’s warranties and indemnities. Further, it is clarified that Bidder shall not provide any additional warranties and indemnities with respect such products.</p>	Do

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
22	NA	NA	Publicity	Clause to be added	Notwithstanding the above, Bidder may share Contract/engagement/ project details and relevant documentation to its customers/ prospective customers solely for the purpose of and with the intent to evidence and support its experience earned under this Contract.	Do
23	NA	NA	Intellectual Protection	Clause to be added	No intellectual property rights of any nature shall be transferred from one party to the other in the course of performing any obligations or otherwise under this agreement. For the avoidance of doubt, Bidder may use certain tools, processes or methodologies of its own in performing the Services. Ownership of all intellectual property rights and any other rights in these shall vest with Bidder, and no rights shall be deemed to have accrued to the Customer.	Do
24	NA	NA	Non-hire	Clause to be added	During the term of this Agreement and for a period of one year thereafter Customer shall not, directly or indirectly, hire or solicit for hire, any of the personnel engaged by Bidder, without the prior written consent thereof from Bidder. Thus, the Customer agrees to the entry of an injunction against it in the event of actual or threatened breach of its obligations hereunder, and acknowledges such relief shall be in addition to such other and further relief as may be available to Bidder at law or in equity	Do

Serial number	Page No.	Clause No.	Headings	Original Clause	Modification/Deviations Recommended by M/s Wipro	CERT-In Response
25	NA	NA	Force Majeure	Clause to be added	If either Party is unable to perform any of its obligations under this Agreement because of circumstances beyond the reasonable control of the Party, such as an act of God, fire, casualty, flood, war, terrorist act, failure of public utilities, injunction or any act, exercise, labor or civic unrest, assertion or requirement of any governmental authority, epidemic, or destruction of production facilities (a “Force Majeure Event”), the Party who has been so affected shall immediately give notice to the other Party and shall do everything reasonably practicable to resume performance, except that Company shall not be excused in any event from timely meeting its payment obligation. Upon receipt of such notice, all obligations under this Agreement shall be immediately suspended for the period of such Force Majeure Event. If the period of nonperformance exceeds sixty (60) days from the receipt of notice of the Force Majeure Event, the Party whose ability to perform has not been so affected may give written notice to terminate this Agreement.	Do

The closing date for the Tender submission and opening of the tender is the following:

Submission closing date & time: 12/07/2018 up to 14:00 Hrs. and Opening date & time: 13/07/2018 up to 15:30 Hrs. All other terms and conditions of the tender will remain unchanged.

Serial Numbers for the described items, as given below :-

SL.No.	Group	Description	Qty	Serial number
1	CISCO	Ethernet Switch-Cisco Catalyst 2950 Series 24 Port (CMC+software support) SN: FOC8721Z226	1	FOC8721Z226
2	CISCO	Ethernet Switch-Cisco C3KX-SM-10G 24 Port (CMC+software support)	2	DCH1836KBXV DCH1601A383
3	CISCO	Ethernet Switch-Cisco Catalyst 2960 Series 48 Port (CMC+software support)	1	FOC1842ZOHE
4	CISCO	Router-Cisco 2600(2611 Series) with RPS (CMC+software support)	2	FHK0910F1UQ JPE072110Y8
5	IBM	Server-IBM eServer Pseries p630 Server 2-way 1.0 GHz Power4 Card, 4096 MB (4x1024 MB) Dimms 146.8 GB Ultra3 SCSI Disk Drive 16x/48x IDE DVD-ROM Drive POWER GXT135P Graphics Accelerator IBM P260/P275, 21" Color Monitor, Keyboard, Mouse 10/100/1000 Mbps NIC, AC Power Supply, 1100 W OS : AIX 5.3, Preinstalled 64-bit Kernel, (CMC + software support)	3	TYPE 7028-6C4 S/N10-BD65A 10-BD63A 10-BD61A
6	RADWARE	Load Balancing Solution Radware Link Proof - LinkProof Application on Demand Switch VL, 6 Copper Giga Ethernet, 2 Fiber Giga Ethernet. Software SynApps (CMC+software support+software subscription+upgrades)	2	31610160 31707268
7	Sun Micro Systems	Server-Sun Fire X 4200 2U server (Base Model) 2 Dual core 275 AMD Processors 1 MB L2 CACHE PER CORE 2 gb 3200 DDR RAM Expandable to 16 GB 2x73 GB SAS HDD with 10k RPM. DVD ROM Drive Fire64 Bit PCI-x slots supports & Hot Swap 2.5" 73 GB 10K SAS Drives OS : win 2003 server (CMC) + Software Support	2	0636AM0501 0636AM0494
8	Sun Micro Systems	Server -SunfireV240 2x1.0 GHz, 4 GB DDR RAM, PCI Dual Ultra-3 SCSI HBA 2x36 GB SCSI HDD, DVD ROM Drive (Slimline) Sun XVR 100 Graphics Card, Keyboard, Mouse, 21" Flat AG CRT Monitor Quad Fast Ethernet PCI and (QFE) OS: Solaris 10.0,(CMC+software support) SN: TN43920082	3	TN43920069 FM43940049 TN43920082

SL.No.	Group	Description	Qty	Serial number
9	Sun Micro Systems	SUN Server T5220- RISK Processor based Server 2U (SUN 6 CORES-RISC) (Server with SUN ULTRA SPARC T1, RISK based 64BIT Processor WITH 6 CORES, 1GHz, 3 1MB L2 CACHE, 8*1 GB DDR2 400 RAM, 2*72 GB SAS HOT SWAP HDD INTERGRATED SERVER ETHERNET QUAD PORTS 10/100/1000 Mbps CONTROLLER IDE COMBO Drive, Redundant HOT SWAP Power Supply) , SUN SOLARIS 10i OS (CMC+software support)	4	BEL083107M BEL0831072 BEL083107N BEL083107X
10	Oracle	Oracle 10G Release 2 (10.2.0.1) (AIX 5L Platform) Onsite software support + software subscription + software upgrade (per annum basis) + ATS	1	15173095
11	Sun Micro Systems	Sun Java messaging Server Ver. 7.3(at present) or latest version in case of upgrade (installed on Sun Cluster) Software support + software subscription (per annum basis). Operational support / email configuration support / debugging / breakdown etc has to be supported by the vendor	2	NA
12	Sun Micro Systems	Sun one Web Server Ver. 7.0(at present) or latest version in case of upgrade (installed on Sun Cluster) Software support + software subscription (per annum basis). Webserver cluster maintenance/ revival in case of breakdown/ debugging/ operational support etc to be supported by the vendor	2	NA
13	Sun Micro Systems	Sun Cluster Ver. 3.1 & 3.2 (at present) or latest version in case of upgrade Webserver cluster maintenance/ revival in case of breakdown/ debugging/ operational support etc to be supported by the vendor	2	NA
14	Trend Micro	Antivirus : Trend Micro Neatsuite+eManager Ver. 11.0 (at present) or latest version in case of upgrade (74 nodes License) InterScan Web Security suite + URL Filtering Module, Server Protect, Office Scan, Trend Micro Content Manager, InterScan WebProtect for ISA (built in free virus signature) pattern upgrades . Subscription for new virus signature patterns.	1	OfficeScan ver 11.0 SP1

SL.No.	Group	Description	Qty	Serial number
15	CISCO UCSC-C240-M4S2	<p>Servers</p> <p>Processor: Intel Xeon E5-2630 v3 series 2.4GHz processors with 20MB cache : 2 processor with 8 cores with Mother Board: Memory: 64 GB (4x16GB) ECC DDR3 1600MHz Disk bays upto : 16 , 2.5" HDD Disks: 5 x 1.2TB 10000rpm 6Gbps SAS HDD hot swappable Disks: 2 x 400 GB . RAID Support: Hardware RAID Controller with 6 Gbps RAID -0, -1, -10, -5, -50 and 512 MB cache with battery or flash backed protection Network Interface: Integrated quad port Gigabit Ethernet (GbE) AND Emulex/Broadcom/Intel or equivalent 10 GbE adapter Video Controller to support VGA or above resolution at least 2 USB Port, 1 serial port SAN storage support, 2 HBA cards , Redundant power supply and remote management , DVD ROM Drive , Monitor 17", Mouse and Keyboard. Installed operating system : Microsoft Windows Server 2012 64 bit standard Operating System, 64-bit Red Hat Enterprise Linux and SUSE Enterprise Linux, VMware vSphere Hypervisor</p>	5	FCH2004V161 FCH2004V10R FCH2004V15V FCH2004V151 FCH2004V15X
16	Bluecoat SG S400	<p>Blue coat Proxy SG 400 Appliance with following specifications; Disk Drives 3 x 1TB, RAM 16GB, Multiple different type of Onboard Ports (2) 1000Base-T Copper ports (with bypass) , (2) 1000Base-T Copper ports (non-bypass) (1) 1000Base-T Copper, BMC Management Port, Optional NICs 4 x 10/100/1000Base-T (Copper with bypass capability) 4 x 1GbE Fiber-SR (with bypass capability, full height slot only) 2 x 10Gb Base-T (Copper with bypass capability) 2 x 10Gb Base-T (Copper non-bypass) 2 x 10Gb Fiber (SR with bypass capability) 2 x 10Gb Fiber (LR with bypass capability) hotswappable Dual Power Supplies .</p>	1	1915320015
17	CISCO IPS FP8350	<p>CISCO IPS FP8350 with management port: Management Interface Speed 10/100/1000, Memory (RAM) 128 GB, Throughput up to 15 Gbps, Model Throughput 30 Gbps, Lights-Out Management, FirePOWER, Solid state Hard Drives, 6 Cooling Fans, Dual Power Supplies,</p>	1	FCH2009VOT5

SL.No.	Group	Description	Qty	Serial number
18	Symantec Messaging Gateway	Mail message gateway with anti spam and anti virus solution, support upto 1000 users, 1U rack mountable, Dual Quad Core processors, Equipped with redundant, hot-plug, auto switching power supply. 2x300 GB RAID1 configuration with hot swappable. NIC support up to Four Gigabit Ethernet Ports. Configured with effective real time protection against new and emerging threats at level of messaging gateway. real time updates mechanism for protection against spam and malware	2	ST: 6RPR382 Exp Svc Code: 14736535058
19	Dell Power Edge R730	Server • Processor: Intel® Xeon® processor E5-2600 v4 product family cache: 2.5MB per core Mother Board: equivalent OEM Motherboard, HDD: 4TB (hot-swap) or more (24 DIMM slots) RAM:16GB or more DDR4 2400MT/s, Network Interface: 4x1GbE, 2x10GbE, rack (1/2/3 u), at least 2 USB Port (2.0), 1 serial port, 2 x USB 3.0, 1 x management (NIC), 1 x VGA, Redundant power supply, DVD ROM Drive Operating System Support: Preinstalled Microsoft Windows Server 2008/2012 (Standard, Enterprise and Datacenter editions), Red Hat Enterprise Linux and SUSE Enterprise Linux, 17" LED monitor, wired keyboard and mouse.	2	6MMYCK2 6NOWCK2
20	RADWARE DefensePro 4412 IPS	RADWARE DefencePro 4412 IPS with DDoS capability : On-Demand Scalable Throughput Licenses 2 Gbps, Mitigation Capacity/Throughput upto 18Gbps, Max Legit Concurrent Sessions 4,000,000, Max DDoS Flood Attack Prevention Rate 10,000,000 pp, configured with Tunneling Protocol VLAN Tagging, L2TP, MPLS, GRE, GTP, IPinIP, support IPv6 traffic. Blocking capability: Drop packet, reset (source, destination, both), suspend (source, src port, destination, dest port or any combination), Challenge-Response for TCP, HTTP and DNS suspicious traffic. Dual Power Supply hot swappable, Advanced Internal Overload Mechanism,	1	31204447-2
21	Checkpoint 5600 Enterprise	CheckPoint 5600 Enterprise Firewall upto Throughput 5.3 Gbps, Flexible IO, RAM 16 GB, Storage 1x 500GB (HDD), LOM, Threat prevention throughput (Gbps) 290 Mbps, 1 GbE ports (Copper) 14, 1 GbE ports (Fiber) 4, Lights Out Management, Dual hot swappable Power Supply Units	2	SG-1 1644BA2503 SG-2 1647BA3661
	SMART-1 205 NGSM	Managed Gateways 5, Indexed Logs/Sec 3,000, Events per day 350,000, Log size per day (GB) 3.5, Number of users 900, Storage (HDD) 1 TB, Built-in Network Interfaces 4xCopper GbE, Management (Console Port) 1xRJ45, USB Ports 2, Management HA, LCD Display , Secure OS, Web-based Administration, Backup and Restore,	1	CONSOLE LR201609012745

SL.No.	Group	Description	Qty	Serial number
22	Radware Alteon-NG+ 5208-6G, absolute vision	<p>Radware Alteon-NG+ 5208-6G with absolute vision software: Configured throughput licenses 6 Gbps, 5 virtual ADC instances, unlimited CPS Layer 4 connections per second, unlimited RPS Layer 7 requests per second, unlimited CPS SSL connections per second, 2K keys (Std/XL/Extreme), 2.5 / 7 / 7.5 Gbps SSL throughput, 2 / 3 / 6 Gbps Compression, Supported OSPF, RIP, RIP II, BGP Routing Protocols.</p> <p>H/W details: 1x Intel quad-core CPU Processor, 16 GB Memory, 2x10 GbE SFP+ 8x1 GbE RJ45 traffic ports, USB ports, RJ-45 Serial Connection, Dual HOT swappable power supply.</p>	2	41612331 41612333
23	HP ProLiant	<p>Server Processor: Intel Xeon Intel Xeon E5-2600 v2 family 3.3 GHz processors with 10MB cache : 2 processor with 4 cores each Mother Board: Motherboard Memory: 128GB DDR3 RAM 1333MHz Disks: 5x600GB 10K rpm SAS HDD hot swappable Raid Supported: Hardware RAID Controller with 6 Gbps to configure RAID 0, 1, 10, 5, Network Interface: Integrated quad port Gigabit Ethernet (GbE) AND Emulex/Broadcom/Intel or equivalent 10 GbE adapter, VGA card , 2 USB Port, 1 serial port Redundant power supply, DVD ROM Drive, 17" LED monitor, wired keyboard and mouse. Operating System installed: Microsoft Windows Server 2008/2012 (Standard, Enterprise, Red Hat Enterprise Linux). IPv4 and IPv6 supported</p>	3	CN7635031V CN77020CRW CN77020CRX

SL.No.	Group	Description	Qty	Serial number
24	Cisco ASA 5585-X	<p>CISCO ASA 5585-X Firewall Users or nodes Unlimited, Stateful inspection firewall throughput upto 10 Gbps (Maximum), Stateful inspection firewall throughput 5 Gbps, Concurrent firewall connections 2,000,000, Firewall connections per second 125,000, Packets (64 byte) per second 3,000,000, Security contexts Up to 250, Authentication Active Directory agent, LDAP, Kerberos, NTLM, Maximum 3DES/AES IPsec VPN throughput 2 Gbps, Maximum Site-to-Site and IPsec IKEv1 client VPN Sessions Up to 10,000, Maximum Cisco AnyConnect or Clientless VPN User Sessions Up to 10,000, Interfaces 8-port 10/100/1000, 2-port 10 Gigabit Ethernet (SFP+), Maximum number of interfaces 16-port 10/100/1000, 4-port 10 Gigabit Ethernet** (SFP+) (with 2 modules per chassis), Integrated network management ports 2-port 10/100/1000, Integrated network ports 8-port 10/100/1000, 2-port 10 Gigabit Ethernet*** (SFP+), integrated network ports 8-port 10/100/1000, 4-port 10 Gigabit Ethernet*** SFP+ (with 2 modules per chassis), Interface card slots 2, Virtual interfaces (VLANs) 1024, Scalability VPN clustering and load balancing, High availability Active/standby, Redundant power Supported, USB 2.0 ports 2, Serial ports 1 RJ-45, console and auxiliary, Rack mountable rack mounts included, Memory 12 GB (SSP-20), flash 2 GB (SSP-20)</p>	2	JMX1732806D JMX172880L6
25	Cisco 3750 - X	<p><u>Layer 3 Switch</u> Stackable and standalone switches 24 10/100/1000 PoE ports 2 x2 10 Gigabit Ethernet ports Should support IPv4 and IPv6 routing Media access control security (MACsec) Hardware-based encryption</p>	2	FDO1841PORK FDO1710P1AV

SL.No.	Group	Description	Qty	Serial number
26	Quantum Scalar i500	<u>Tape Library Quantum Scalar i500</u> 1.Drives The Tape Library unit configured with two FC LTO Gen6 Tape Drives with 48 slots. 2.Management (i)web based remote monitoring capability. (ii)LTO6 drive in the Library support continuous and Data rate matching technique for higher reliability. 3.Encryption support embedded AES 256 bit encryption. 4.Supported Drive (LTO6) Speed upto 160 MB/sec 5.Interface support Fiber connectivity to SAN Environment. 6. Configured with Fiber channel Host Bus Adaptor 8 Gbps (2 Nos) 7.Configured Gigabit Ethernet Controller (2 Nos.)	1	CLC0632B15
27	EMC	<u>VNX5300 4 PT 1 G Base-T-ISCSI IO MOD</u> With 1 years enhanced supported, Installed and integrated with application servers and existing storage. Including Remote protection suite.	1	NA