

**Shree Saibaba Sansthan Trust, Shirdi
Information Technology Department**

Turnkey Based IT Infrastructure Project of Supply, Designing, Installation, Integration, Commissioning, Testing and Facility Management for 5 Years. Tender ID 2025_SAI_1135566_1

Clarifications requested by Bidders

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
03 - TECHNICAL BID: A. Bidder Eligibility (Qualification Criteria) Page No. 9 Sr. No. 6	Turnover in IT Sales/Infrastructure Project/ Maintenance services Minimum of Rs. 50 Cr. generated from IT Networking supply and associated maintenance services during the last three Financial years i.e: FY 2021-22, 2022-23, and FY 2023-24.	Kindly amend the clause as : Turnover in IT Sales/Infrastructure Project/ Maintenance services Minimum of Rs. 50 Cr. generated from IT/ITES services during the last three Financial years i.e: FY 2021-22, 2022-23, and FY 2023-24.	Clause Amended as: Turnover in IT Sales/Infrastructure Project/ Maintenance services Minimum of Rs. 50 Cr. generated from IT/ITES supply and associated maintenance services during the last five Financial years i.e: FY 2019-20, 2020-21, 2021-22, 2022-23, and FY 2023-24
03 - TECHNICAL BID: A. Bidder Eligibility (Qualification Criteria) Page No. 9 Sr. No. 9	Bidder must have successfully completed at least 05 major IT Infrastructure/Networking projects of similar nature and value in the last three years FY 2021-22, 2022-23, and FY 2023-24.	Kindly amend the clause as : Bidder must have successfully completed / executed at least 05 major IT Infrastructure/ Networking projects of similar nature and value in the last 7 years.	Clause Ammended as: Bidder must have successfully completed at least 05 major IT Infrastructure/Networking projects of similar nature and value in the last Five years FY 2019-20, 2020-21, 2021-22, 2022-23, and FY 2023-24.
ANNEXURE B Eligibility Criteria and Compliance Sheet Page No. 22 Sr. No.9	Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last three years FY 2021-22, 2022-23, and FY 2023-24 of total Rs 50 Cr or more	Kindly amend the clause as : Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 7 years of total Rs 50 Cr or more	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more
B-3. Quality Assurance Page No.7	All the and accessories supplied and the workmanship of successful bidder should conform to the highest Industrial / Technical Standards (as decided by the SSST). Ensure defect-free performance of entire hardware, software and networking equipment's. It will be the entire and exclusive responsibility of the successful bidder to ensure that the materials and should have capacity to synchronize with the functioning and operational parameters of the existing IT infrastructure of the SSST. The whole system has to be designed, installed and incorporated with the existing IT Infrastructure, to provide better efficiency with respect to speed, uptime and the effective processing and any other objective of SSST.	Please share the details of existing IT system landscape. Kindly confirm at which location existing IT infrastructure. Could you kindly confirm whether SSST will cover AMC services for the existing infrastructure during the implementation period?	Existing IT Infrastructure Land Scope already provided in "ANNEXURE J " All location like Core, Distribution and Access switches location with in Shirdi Only. Data center Location - Prasadalya 1st Floor & DR Location - Sai Aashram. SSST will cover AMC for existing infrastructure. Bidder should personally visit site and provide the networking details with diagram of SSST requirements (Page No-9) .
ANNEXURE F Technical Specification Compliance Sheet 9) Network Racks, LIU Patch panels, Patch Cords Page No. 35	Network Racks	What is the per-rack power capacity, and could you share the specifications for the rack PDUs? Kindly confirm whether redundant power supply is required for each rack.	Dual power supply required for DC and DR Other Locations (Districution & Access) not required power redundancy. Please refer the Specs (Page No-35, 36)

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
ANNEXURE F Technical Specification Compliance Sheet 17) UPS Page No. 44	UPS	1) Could you please provide the existing layout of the proposed area designated for racks, UPS, and batteries? 2) We request the SLD, along with feeder identification, indicating the source from which power needs to be drawn to charge the UPS. 3) There is no mention of the cooling solution for the server rack and UPS area. Please confirm whether this needs to be provided.	Bidder need to visit the site for survey of existing infrastructure to understand requirement and measurements.
6. Payments Page No.15	6.1 Payments Schedule: a) Subsequent to the supply of material, SSST will release payment for the 25% value of the approved material supplied by the successful bidder. (Bidder have to submit Delivery Challan of material arrived on site) b) Upon satisfactory installation and commissioning and SSST having issued Acceptance Certificate (refer 2. Inspections and Tests above for term Acceptance Certificate) the bidder can apply for the 50% of the accepted and certified invoice value. c) The successful bidder shall apply for balance 25% payment after 60 days after the receipt of 50% payment.	Kindly consider following ammendments This adjustment reduces the financial burden on the bidder, encouraging timely supply of materials. 6.1 Payments Schedule: a) Subsequent to the supply of material, SSST will release payment for the 50% value of the approved material supplied by the successful bidder. (Bidder have to submit Delivery Challan of material arrived on site) b) Upon satisfactory installation and commissioning and SSST having issued Acceptance Certificate (refer 2. Inspections and Tests above for term Acceptance Certificate) the bidder can apply for the 25% of the accepted and certified invoice value. c) The successful bidder shall apply for balance 25% payment after 60 days after the receipt of 75% payment.	No changes in tender clause
B: Detailed Scope of Work: Page No.6	iv) Facility Management Services: The successful bidder should appoint 02 Network/Hardware Technicians for 60 months (Project Tenure). These technicians will work in two shifts. Technicians will be stationed at Shirdi on a full-time basis as per the requirement of SSST. They will attend all hardware calls and monitor OS and software installations, OFC Calls, Patch Management and Switch Configurations.	Please confirm where the cost for these technicians should be added in ANNEXURE D - BoQ Format. Kindly make the necessary provision for the same.	Please refer Page no-24 Annexure D (Point No-11)
Page No.24	ANNEXURE D - BoQ Format	Can provisions be made in the BoQ format to accommodate additional networking devices for redundancy at the distribution layer?	Bidder should quote as per the BoQ
General Query		Need to know scalability of the entire infra so that sizing of the devices can be done accordingly	For active components quantity and specification is finalized as per requirement, for passive there might be variation in quantity while actual project execution. Refer Annexure D Note (3), Page no 25.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Page no:- 15, Point no:- 6.1 Payments schedule:	a) Subsequent to the supply of material, SSST will release payment for the 25% value of the approved material supplied by the successful bidder. (Bidder have to submit Delivery Challan of material arrived on site) b) Upon satisfactory installation and commissioning and SSST having issued Acceptance Certificate (refer 2. Inspections and Tests above for term Acceptance Certificate) the bidder can apply for the 50% of the accepted and certified invoice value. c) The successful bidder shall apply for balance 25% payment after 60 days after the receipt of 50% payment.	We respectfully request that you consider revising the payment terms to: 80% of the value on delivery 10% after installation and commissioning and Remaining 10% with in 60 days after installation. The reason for this request is that the installation of active and passive components will take approximately 4-5 months. At the backend, we have to make upfront payments to distributors and OEMs. The current payment terms would result in a significant cash flow burden on us. We believe that the revised payment terms would be more aligned with industry standards and would enable us to manage our cash flow more efficiently	No Change in Tender Clause
Page no:- 22 03. Technical BID: A Bidder Eligibility (Qualification Criteria). Point no. 6	Turnover in IT Sales/Infrastructure Project/ Maintenance services Minimum of Rs. 50 Cr. generated from IT Networking supply and associated maintenance services during the last three Financial years i.e: FY 2021-22, 2022-23, and FY 2023-24.	We respectfully request that you consider revising this criterion to ₹150-200 crores. This revision would enable more competent and experienced bidders to participate, ultimately benefiting the project's success. By increasing the turnover threshold, you would attract more established and financially stable companies, ensuring that the selected bidder can deliver high-quality work while managing the project's financial requirements.	No Change in Tender Clause
Annexure F --> Core switch --> 4.3 & Page No. 27	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more.	Ammend the clause to 130K IPv6 routers --> 150K IPV6 routes are very high in numbers. Today most of the integration and routing are happening on IpV4 only and no one is doing IPV6 routing at Enterprise Core Switches. So to qualify and participate in this esteemed tender please amend the same to 130K or more routes.	Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Annexure F --> Core switch --> 4.5 & Page No. 27	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly remove this clause --> This is required in internet facing equipment like routers, firewalls etc normally used in internet Service Provider Environment and basically use this feature on Router. Hence request to dilute this clause for wider OEM participations.	The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Annexure F --> Distribution switch --> 1.2 & Page No. 29	Switch should be equipped with minimum 16GB RAM, 16 GB Flash/SSD & 32 MB of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	Please amend the clause as --> "Switch should be equipped with minimum 2GB or more RAM, 2GB or more Flash/SSD & 8 MB or more of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow Different OEM provide different size of RAM , Buffer and Flash based on his supported architecture, firmware size and ASIC value etc. to provide full capacity performance. Most of the OEM OS and firmware is lightweight and they don't need higher capacity RAM and Flash. Everything is depend on ASIC chips and in distribution switch is all about passing and forwarding mechanism. Hence kindly amend the same. Moreover this will have more financial implications on overall budget without any advantage. This will help for wider OEM participations and best of breed solution delivery	No Change in Tender Clause
Annexure F --> Distribution switch --> 4.5 & Page No. 29	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point --> This is normally used in internet Service Provider Environment and basically use this feature on Router. Hence request to dilute this clause for wider OEM participations. This will help for wider OEM participations and best of breed solution delivery	The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Annexure F --> Access switch 48 Port --> 7 & Page No. 31	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as --> "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more. Different OEM provide different size of RAM , Buffer and Flash based on his supported architecture, firmware size and ASIC value etc. to provide full capacity performance. Most of the OEM OS and firmware is lightweight and they don't need higher capacity RAM and Flash. Everything is depend on ASIC chips and in distribution switch is all about passing and forwarding mechanism. Hence kindly amend the same. Moreover this will have more financial implications on overall budget without any advantage. This will help for wider OEM participations and best of breed solution delivery	Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Annexure F --> Access switch 24 Port--> 8 & Page No. 32	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	<p>Please amend as --> "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.</p> <p>Different OEM provide different size of RAM , Buffer and Flash based on his supported architecture, firmware size and ASIC value etc. to provide full capacity performance. Most of the OEM OS and firmware is lightweight and they don't need higher capacity RAM and Flash. Everything is depend on ASIC chips and in distribution switch is all about passing and forwarding mechanism. Hence kindly amend the same. Moreover this will have more financial implications on overall budget without any advantage. This will help for wider OEM participations and best of breed solution delivery</p>	Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Annexure F --> Access switch 24 Port--> 29 & Page No. 32	Switch should support 4 MB or more packet buffer.	<p>Please amend as --> Switch should support 2 MB or more packet buffer.</p> <p>Today due to enhance in Technologies most of the decisions are happening via ASICs. and Switching is nothing but forwarding mechanism instead of buffering the data. If switch start buffering the packets or frames then it will create performance issues via jitter and latencies. This will help for wider OEM participations and best of breed solution delivery</p>	Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Annexure F --> Access switch 12 Port--> 4 & Page No. 33	Switch should support minimum 2 GB RAM and 2 GB flash.	<p>Please amend the clause as --> Switch should support minimum 1 GB RAM and 1 GB flash.</p> <p>Different OEM provide different size of RAM , Buffer and Flash based on his supported architecture, firmware size and ASIC value etc. to provide full capacity performance. Most of the OEM OS and firmware is lightweight and they don't need higher capacity RAM and Flash. Everything is depend on ASIC chips and in distribution switch is all about passing and forwarding mechanism . Hence kindly amend the same. Moreover this will have more financial implications on overall budget without any advantage. This will help for wider OEM participations and best of breed solution delivery</p>	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Annexure F --> Data Centre Security Components --> 6 & Page No. 34	DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times,	<p>Please amend the clause as: - DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix)</p> <p>Seems that the sentence is not complete here</p>	Clause Ammended as: DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix)

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Annexure F --> DR Security Components --> 5 & Page No. 35	Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system.	Please ammend the clause as: - DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix) Seems that the sentence is not complete here	Clause Ammended as: DR-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix)
Annexure F --> Data Centre and DR Security Components --> 6 and 5 & Page No. 34	DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system	Type of biometric required is not clear. Do we need Face/Biometric/card based reader or Combination (face+ card or Finger +card Etc)	Type of biometric - Face and Card
Annexure F --> Data Centre and DR Security Components --> 6 and 5 & Page No. 34	DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system	Quantiy and type of the access card if card based reader is expected	25 Cards
Annexure F --> Data Centre and DR Security Components --> 6 and 5 & Page No. 34	DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system	Request you to provide dimensions of door at both DC and DR. This is required to finalise the accessories like electromagnetic lock. Also, confirm that the DC and DR has metal doors.	DC/DR dimension is 20X 17 Feet height 9 feet approx. DC and DR have metal doors.
Annexure F --> Data Centre and DR Security Components --> 4 and 3 & Page No. 34	DC & DR -Supply & Installation of Water leak detection system with Control Panel, Sensors and Required Cables	Please provide dimensions of DC and DR rooms	DC/DR dimension is 20X 17 Feet height 9 feet approx.
Annexure F --> Data Centre and DR Security Components --> 7 and 6 & Page No. 34	Supply & Installation of Environmental Monitoring System	Please provide details on what environmental conditions to be monitored	DC And DR Temperature, Humidity, Fire, Water leakage, Rodent system and Power Supply.
Annexure F --> Network Monitoring Solution--> & Page No. 38	-	Suggestion to add this clause: - 1. NMS Solution should monitor Net flow..... This is priority hence please amend as NMS solution should monitor NetFlow / Sflow / Jflow or equivalent.	Suggestion Accepted. NMS Solution should monitor Net flow or equivalent.
Annexure F --> Network Monitoring Solution--> & Page No. 38	-	Suggestion to add this clause: - 2. Should have the capability to integrate with 3rd party vendors such as Vmware, Sophos, Checkpoint, Cisco, Cisco Miraki, HPE, Dell, Fortinet, Microsoft Hyper V.	Already Mentioned this point (Page No-39 & Point No 24)
Annexure F --> Network Monitoring Solution--> & Page No. 38	-	Suggestion to add this clause: - SCCM, WatchGuard, Palo alto, McAfee, Citrix, Open stack etc.--- This is major integration requirement on NMS and normally most of the vendors are not doing these all features..Hence please mentioned only few which really required on networking level	No Change in Tender Clause.
	Support MVR and PIM-SM, PIM-SSM.	Please modify this clause to Support MVR or IGMP snooping and PIM-SM, PIM-SSM.	Clause Ammended as : Support MVR or IGMP snooping and PIM-SM, PIM-SSM.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more.	Please modify this clause to "130K IPv4 routes, 30K IPv6 routes & 4K multicast groups or more." Such a higher routing table is not required in switch.	Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause Ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4-2,3,4,5,6,11 5	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
Dist Switch 1.4	Should support 0°C to 40°C operating temperature and 10% to 90% relative humidity	Please modify this clause to Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity	Clause ammended as: Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity
Dist Switch 2.3	Should support high-speed stacking/cluster with the ability to stack up to eight units & should support minimum 160Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables	Please modify this clause to Should support high-speed stacking/cluster/active-active controle plane with the ability to stack up to two units & should support minimum 40Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Dist Switch 3.1	802. 1Q VLAN on all ports with support for 4k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	Please modify this clause to 802. 1Q VLAN on all ports with support for 1k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Dist Switch 4.3	Should support min 80K IPv4 routes, 40K IPv6 routes & 4K multicast groups or more.	Please modify this clause to Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.	Clause ammended as: Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.
Dist Switch 4.5	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Dist Switch 8.1	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
Access SW-48 port -6	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-48 port- 7	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this cluase.	No Change in Tender Clause.



Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Access SW-48 port- 13	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in Tender Clause.
Access SW-48 port- 17	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause ammended as: Switch should support Port mirroring/RSPAN/ERSPAN
Access SW-48 port- 28	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause ammended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.
Access SW-24 port-08	Switch should support - minimum 2 GB RAM and <u>2</u> GB flash, minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> , IP multicast entries : <u>500</u> or more, IPv4 Route Table: <u>3000</u> or more, IPv6 Route Table: <u>1500</u> or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-24 port-09	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this cluase.	No Change in Tender Clause.
Access SW-24 port-15	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in Tender Clause.
Access SW-24 port-19	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause ammended as: Switch should support Port mirroring/RSPAN/ERSPAN
Access SW-24 port-30	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause ammended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.
	Should support - minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> or high, minimum IPv4 route entries <u>3000</u> or high, minimum IPv6 route entries <u>1500</u> or high, minimum Multicast routing entries <u>500</u> or high, minimum VLAN entries 4096.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in Tender Clause.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
	The Switch should support star and mesh as well as ring topology as a solution requirement.	Please modify this clause to The Switch should support star as ring topology as a solution requirement.	Clause ammended as: The Switch should support star as ring topology as a solution requirement.
	NMS Solution Architecture Must be able to support minimum 250 Devices (switches, routers, firewalls, servers, wireless VMware, VM, application, database) and should be scalable to 10000 Devices.	Please modify this clause to NMS Solution Architecture Must be able to support minimum 250 Devices (switches) and should be scalable to 10000 Devices.	No Change in Tender Clause.
	NMS Must be able to create correlated topology based on CDP, LLDP, SNMP, STP connectivity hierarchy.	Please modify this clause to NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.	Clause ammended as: NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.
	NMS Must allow system-level operations such as device discovery, event management, logging and application & database monitoring to be performed centrally.	Please modify this clause to NMS Must allow system-level operations such as device discovery, event management, logging and application to be performed centrally.	No Change in Tender Clause.
	NMS solution must allow for graphing or viewing in table format and multiple OIDs that are user selectable.	Please modify this clause to NMS solution must allow for graphing or viewing in table format.	No Change in Tender Clause.
	Network Monitoring should allow scheduled events or tasks that the user can perform behind the scenes or schedule an event for another time in the future.	Please modify this clause to Network Monitoring should allow scheduled events or tasks.	No Change in Tender Clause.
	NMS Must provide a utility to view and select MIB objects from a tree-based representation and include a compiler for new or third-party MIBs.	Please remove this point	No Change in Tender Clause.
	NMS Solution should monitor Net flow.	Please modify this clause to NMS Solution should support monitoring and reporting	Clause ammended as: NMS Solution should monitor Net flow or equivalent.
	Should have the capability to integrate with 3rd party vendors such as Vmware, Sophos, Checkpoint, Cisco, Cisco Miraki, HPE, Dell, Fortinet, Microsoft Hyper V, SCCM, WatchGuard, Palo alto, McAfee, Citrix, Open stack etc.	Please modify this clause to solution Should have the capability to integrate with 3rd party vendors using API.	Already Mentioned this point (Page No-39 & Point No 24)
Eligibility Criteria and Compliance Sheet Page 22	Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last three years FY 2021-22, 2022-23, and FY 2023-24. of total Rs 50 Cr or more	We are request you to Kindly change the clause as " Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last Five years FY 2019-20,2020-21,2021-22, 2022-23, and FY 2023-24. of total Rs 50 Cr or more"	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Payment: Page 15	<p>Payment: Requests for the payments should be made by the successful bidder in writing accompanied by invoice to SSST. The request should contain the details of item supplied and services rendered.</p> <p>6.1 Payments Schedule: a) Subsequent to the supply of material, SSST will release payment for the 25% value of the approved material supplied by the successful bidder. (Bidder have to submit Delivery Challan of material arrived on site) b) Upon satisfactory installation and commissioning and SSST having issued Acceptance Certificate (refer 2. Inspections and Tests above for term Acceptance Certificate) the bidder can apply for the 50% of the accepted and certified invoice value. c) The successful bidder shall apply for balance 25% payment after 60 days after the</p>	<p>We are request you to Kindly change the clause as "Payment: Requests for the payments should be made by the successful bidder in writing accompanied by invoice to SSST. The request should contain the details of item supplied and services rendered.</p> <p>6.1 Payments Schedule: a) Subsequent to the supply of material, SSST will release payment for the 70% value of the approved material supplied by the successful bidder. (Bidder have to submit Delivery Challan of material arrived on site) b) Upon satisfactory installation and commissioning and SSST having issued Acceptance Certificate (refer 2. Inspections and Tests above for term Acceptance Certificate) the bidder can apply for the 10% of the accepted and certified invoice value. c) The successful bidder shall apply for balance 20% payment after 60 days after the receipt of 10% payment."</p>	No Change in Tender Clause.
Core Switch 4.3 Page 27	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more	Please amend the clause as ,"Should support min 200K IPv4 routes, 130K IPv6 routes & 4K multicast groups or more	Clause Ammended as: Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Core Switch 4.5 Page 27	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause Ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Distribution Switch 1.2 Page 29	Switch should be equipped with minimum 16GB RAM, 16 GB Flash/SSD & 32 MB of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	Please amend the clause as ,"Switch should be equipped with minimum 2GB or more RAM, 2GB or more Flash/SSD & 8 MB or more of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distribution Switch 4.5 Page 29	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause Ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.

Handwritten signature and initials in blue ink.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Access Switch 48 Ports Non PoE Point 09 Page 31	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as , "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash , support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Ports Non PoE Point 8 Page 32	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as , "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash , support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Ports Non PoE Point 29 Page 33	Switch should support 4 MB or more packet buffer.	Switch should support 2 MB or more packet buffer.	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 12 Ports Non PoE Point 4 Page 33	Switch should support minimum 2 GB RAM and 2 GB flash .	Switch should support minimum 1 GB RAM and 1 GB flash .	No Change in Tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
NMS 21 Page 39	NMS Solution should monitor Net flow.	NMS Solution should monitor Net flow or equivalent.	Clause Ammended as: NMS Solution should monitor Net flow or equivalent.
General	As discussed during the Pre-Tender Bid session, it was noted that Valrack and Netrack have been approved for racks and certain fiber requirements. Both of these brands fall under Legrand's umbrella. However, it was also mentioned that Legrand is not currently approved for the copper and fiber requirements.	I kindly request that you consider Legrand for your current copper, fiber, and rack requirements to provide a more competitive and reliable solution.	No change in tender clause.
ANNEXURE "F" - Page No.27 - 4.2	Support MVR and PIM-SM, PIM-SSM.	Please modify this clause to Support MVR or IGMP snooping and PIM-SM, PIM-SSM.	Clause ammended as: Support MVR or IGMP snooping and PIM-SM, PIM-SSM.
ANNEXURE "F" - Page No.27 - 4.3	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more.	Please modify this clause to "130K IPv4 routes, 30K IPv6 routes & 4K multicast groups or more." Such a higher routing table is not required in switch.	Clause ammended as: Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. <u>Feature aligns with needs and growth expectations.</u>
ANNEXURE "F" - Page No.27 - 4.5	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
ANNEXURE "F" - Page No.28 - 8.1	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4-2,3,4,5,6,11 5	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
ANNEXURE "F" - Page No.29 - 1.4	Should support 0°C to 40°C operating temperature and 10% to 90% relative humidity	Please modify this clause to Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity	Clause ammended as: Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity
ANNEXURE "F" - Page No.29 - 2.3	Should support high-speed stacking/cluster with the ability to stack up to eight units & should support minimum 160Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables	Please modify this clause to Should support high-speed stacking/cluster/active-active control plane with the ability to stack up to two units & should support minimum 40Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.29 - 3.1	802.1Q VLAN on all ports with support for 4k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	Please modify this clause to 802.1Q VLAN on all ports with support for 1k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.29 - 4.3	Should support min 80K IPv4 routes, 40K IPv6 routes & 4K multicast groups or more.	Please modify this clause to Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.	Clause ammended as: Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.
ANNEXURE "F" - Page No.29 - 4.5	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
ANNEXURE "F" - Page No.30 - 8.1	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
ANNEXURE "F" - Page No.31 - 7	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.31 - 8	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this cluase.	No Change in Tender Clause.
ANNEXURE "F" - Page No.31 - 14	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in Tender Clause.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
ANNEXURE "F" - Page No.31 - 18	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause ammended as: Switch should support Port mirroring , RSPAN / ERSpan
ANNEXURE "F" - Page No.31 - 29	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause ammended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment
ANNEXURE "F" - Page No.32 - 8	Switch should support - minimum 2 GB RAM and <u>2</u> GB flash, minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> , IP multicast entries : <u>500</u> or more, IPv4 Route Table: <u>3000</u> or more, IPv6 Route Table: <u>1500</u> or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.32 - 9	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this clause.	No Change in Tender Clause.
ANNEXURE "F" - Page No.32 - 15	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in Tender Clause.
ANNEXURE "F" - Page No.32 - 19	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause ammended as: Switch should support Port mirroring , RSPAN / ERSpan
ANNEXURE "F" - Page No.33 - 30	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause ammended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment
ANNEXURE "F" - Page No.33 - 5	Should support - minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> or high, minimum IPv4 route entries <u>3000</u> or high, minimum IPv6 route entries <u>1500</u> or high, minimum Multicast routing entries <u>500</u> or high, minimum VLAN entries 4096.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.34 - 10	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
ANNEXURE "F" - Page No.34 - 15	The Switch should support star and mesh as well as ring topology as a solution requirement.	Please modify this clause to The Switch should support star as ring topology as a solution requirement.	Clause ammended as: The Switch should support star as ring topology as a solution requirement.
ANNEXURE "F" - Page No.38 - 4	NMS Solution Architecture Must be able to support minimum 250 Devices (switches, routers, firewalls, servers, wireless VMware, VM, application, database) and should be scalable to 10000 Devices.	Please modify this clause to NMS Solution Architecture Must be able to support minimum 250 Devices (switches) and should be scalable to 10000 Devices.	No Change in Tender Clause.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
ANNEXURE "F" - Page No.38 - 5	NMS Must be able to create correlated topology based on CDP, LLDP , SNMP , STP connectivity hierarchy.	Please modify this clause to NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.	Clause ammended as: NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.
ANNEXURE "F" - Page No.38 - 6	NMS Must allow system-level operations such as device discovery, event management, logging and application & database monitoring to be performed centrally.	Please modify this clause to NMS Must allow system-level operations such as device discovery, event management, logging and application to be performed centrally.	No Change in Tender Clause.
ANNEXURE "F" - Page No.39 -8	NMS solution must allow for graphing or viewing in table format and multiple OIDs that are user selectable.	Please modify this clause to NMS solution must allow for graphing or viewing in table format.	No Change in Tender Clause.
ANNEXURE "F" - Page No.39 -9	Network Monitoring should allow scheduled events or tasks that the user can perform behind the scenes or schedule an event for another time in the future.	Please modify this clause to Network Monitoring should allow scheduled events or tasks.	No Change in Tender Clause.
ANNEXURE "F" - Page No.39 -10	NMS Must provide a utility to view and select MIB objects from a tree-based representation and include a compiler for new or third-party MIBs.	Please remove this point	No Change in Tender Clause.
ANNEXURE "F" - Page No.39 -21	NMS Solution should monitor Net flow.	Please modify this clause to NMS Solution should support monitoring and reporting	Clause ammended as: NMS Solution should monitor Net flow or equivalent.
ANNEXURE "F" - Page No.39 -24	Should have the capability to integrate with 3rd party vendors such as Vmware, Sophos, Checkpoint, Cisco, Cisco Miraki, HPE, Dell, Fortinet, Microsoft Hyper V, SCCM, WatchGuard, Palo alto, McAfee, Citrix, Open stack etc.	Please modify this clause to solution Should have the capability to integrate with 3rd party vendors using API.	Already Mentioned this point (Page No-39 & Point No 24)
Core Switch 4.3 Page 27	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more	Please amend the clause as , "Should support min 200K IPv4 routes, 130K IPv6 routes & 4K multicast groups or more	Clause ammended as: Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Core Switch 4.5 Page 27	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Distribution Switches 1.2 Page 29	Switch should be equipped with minimum 16GB RAM, 16 GB Flash/SSD & 32 MB of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	Please amend the clause as , "Switch should be equipped with minimum 2GB or more RAM, 2GB or more Flash/SSD & 8 MB or more of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	No Change in Tender Clasue Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distribution Switches 4.5 Page 29 Page 31	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Access Switch 48 Ports Non PoE Clause 9 Page 31	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as , "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No Change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Ports Non PoE Clause 8 Page 32	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as , "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No Change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Ports Non PoE Clause 29 Page 33	Switch should support 4 MB or more packet buffer.	Switch should support 2 MB or more packet buffer.	No Change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch-12 Port Non PoE Clause 4 Page 33	Switch should support minimum 2 GB RAM and 2 GB flash.	Switch should support minimum 1 GB RAM and 1 GB flash.	No Change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Network Monitoring Solution Clause 21 Page 39	NMS Solution should monitor Net flow.	NMS Solution should monitor Net flow or equivalent.	Clause ammended as: NMS Solution should monitor Net flow or equivalent.
ANNEXURE F Technical Specification Compliance Sheet 9) Network Racks, LIU Patch panels, Patch Cords Page No. 35	Network Racks	What is the per-rack power capacity, and could you share the specifications for the rack PDUs?	Dual power supply required for DC and DR Other Locations (Districution & Access) not required power redundancy. Please refer the Specs (Page No-35, 36)
Annexure F --> Data Centre Security Components --> 6 & Page No. 34	DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times,	Please ammend the clause as: - DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix)	Clause ammended as: DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times watch, spectra, matrix)
Annexure F --> Data Centre and DR Security Components --> 4 and 3 & Page No. 34	DC & DR -Supply & Installation of Water leak detection system with Control Panel, Sensors and Required Cables	Please provide the dimensions of the DC and DR rooms in order to supply and install the water leak detection system, including the control panel, sensors, and required cables.	DC/DR dimension is 20X 17 Feet height 9 feet approx.
Technical Bid:		MAF is mandatory for all the products, kindly clarify	Yes for all Active Components, Desktop, Laptop, Printers, UPS etc.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
2. Page no: 39: Point 13.1 –	AIO – Request to include security feature “Hardware TPM”		No change in Tender Clause
3. Page no: 39: Point 13.2 –	Tower – Request to include security feature “Hardware TPM”		No change in Tender Clause
4. Page no: 40: Point 13.3 –	Tower (Dual Display) – Request to include security feature “Hardware TPM”		No change in Tender Clause
5. Page no: 40: Point 13.4 –	Tower (Workstation) – Request to include security feature “Hardware TPM”		No change in Tender Clause
6. Page no: 40: Point 13.5 –	Laptop – Request to include security feature “Hardware TPM”		No change in Tender Clause
7. Page no: 40: Point 13.5 –	Laptop – Memory expandability up to 64GB: 2 x 32 GB, DDR5, 5200 MT/s		No change in Tender Clause
1. Page 40. Point 13.5 :	Laptop # Warranty and Operating system requirement not mentioned in the details.		Warrenty - 5 Years Onsite Next Business day, OS - Windows 11 Pro
	2. Observation: The Desktop Laptop requirement is included with the networking requirement.	Request: For effective execution of the project you are requested to evaluate the commercial bids of Desktop/Laptop bids separately. This which will help you in timely execution and at correct price points.	No change in Tender Clause
1. Page no: 11: Point: 04-A-3:	Period of Validity of Bids: Bids shall be valid for 160 days from the last date of bid submission prescribed by SSST.: It is understood that this price validity if only for Active/ Networking components and not for Desktop/ Laptops. Pl confirm.		Price should be valied for 160 days for all items in tender.
Core Switch 4.3 Page 27	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more.	Please amend the clause as , "Should support min 200K IPv4 routes, 130K IPv6 routes & 4K multicast groups or more	Clause amended as: Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Distrubution Switch 1.2 Page 29	Switch should be equipped with minimum 16GB RAM, 16 GB Flash/SSD & 32 MB of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	Please amend the clause as , "Switch should be equipped with minimum 2GB or more RAM, 2GB or more Flash/SSD & 8 MB or more of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	No change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distrubution Switch 4.5 Page 29	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause amended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Access Switch 48 Ports Non PoE Point 09 Page 31	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IP RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as , "Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Access Switch 24 Ports Non PoE Point 08 Page 32	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IP v6 Route Table:1500 or more.	Please amend as ,"Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Ports Non PoE Point 29 Page 33	Switch should support 4 MB or more packet buffer.	Switch should support 2 MB or more packet buffer.	No change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch-12 Port Non PoE Clause 4 Page 33	Switch should support minimum 2 GB RAM and 2 GB flash.	Switch should support minimum 1 GB RAM and 1 GB flash.	No change in Tender Clause Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
General Query	material don't mentioned /considered in tender	Route indicator count is not mentioned according to distance. And electric work if any required for this project is not clear and mentioned. Qty of Route indicator should increased as per std according to distance. And Electric material should mentioned if required or considered under this project	The vendor must quantify the requirements as per the design to determine the site requirements.
NMS	NMS software required Hardware server is not considered in Project	Need to consider HW server as per requirement of particular OEM	Bidder is coming with Virtual solution, required VM should be provided by Sansthan. (Page No-38)
Passive Network Component Make Page no 34, 35, 37, 45,	in tender mentioned - Make: Commscope, Panduit, Nexus for all passive component like OFC, CAT6, LIU, Patch panel, etc	nexus is not competitive brand with Commscop and Panduit. As per our campus and horizontal cabling requirement Nexus product may not be suitable. also commscop and panduit are better product than nexus in terms of quality/support application assurance, delivery timeline and sustainability as well as commercial.	No Change in tender Clause.
Page 34 point no - 8 to 14	Make mentioned - SYSTIMAX	SYSTIMAX is product line of Commscope OEM	Need to submit the product Authorization letter
Page 34 point no - 7 to 13	Make mentioned - SYSTIMAX	SYSTIMAX is product line of Commscope OEM	Need to submit the product Authorization letter
Page 35 Point no 9	Network Racks, LIU Patch panels, Patch Cords: Make Netrack /Valrack	LIU, Patch Panel, patch cord Make mentioned Netrack and Valrack	Commscope /Nexus/Panduit as OEM for passive component and Network Rack Make - Valrack and Netrack
Page 36 Point 4 &5	Supply & Installation of 24-port Fully Loaded LIU and 48-port Fully Loaded LIU with Couplers, Pigtailes & Splice tray	Single mode Multi mode Adapter don't specify	The vendor must quantify the requirements as per the design to determine the site requirements.
Page 38 NMS Point no 4	NMS Solution Architecture Must be able to support minimum 250 Devices(switches, routers, firewalls, servers, wireless VMware, VM, application, database) and should be scalable to 10000 Devices.	Exact count should clear to calculate Lic accordingly	Network Devices -150 Servers - 25 Vmware (ESXi -10, VM-100) DataBase - 5 Application - 15 Note - Licenses should be Perpetual
Point no 1.4 Page no 41	Firewall appliance should have a minimum of 4x 10GE SFP+ Slots, 4 x 1GE SFP Slots and 12x1GE RJ45 GE interfaces from day one. All these interfaces should be available simultaneously.	asking for 4x 10G SFP+ and 4x1GE SFP slots, 12x1GE RJ45 GE interfaces from day one	No Change in Tender Clause

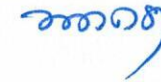
Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Point no 1.5 Page no 41	Each firewall appliance should be fully populated with SFP transceiver modules from day one.	Fully populated means above mentioned minimum SFP count should consider or all available SFP slot should populate	Refer Tender document Page No-41 (Point 1.4)
Point no 3.5 Page 41	The proposed solution should support Virtualization (Virtual Firewall, Security zones and VLAN) with minimum 10 Virtual Firewall license.	Minimum 10 Virtual FW License	Virtual firewall licenses not required from the Day1
Fire wall specs Page 41	Module not specify in Firewall specs	1G or 10G and SM or MM	MM (Refer the Tender document Page No-41 Point 1.5 for Qty)
Tech specs not mentioned Passive component	There are technical specifications only for fiber cable. No specifications are mentioned for accessories and copper components.	LIU, Patch panel, Copper component specs are not mentioned	Wherever brands are mention, bidder need to consider Welknown brands, ISI mark. The vendor must submit the technical data sheets along with the technical bid within the mentioned makes.
Attenuation Passive component - OFC	Attenuation is the most important parameter for (OFC) fiber which is missing in the specifications.	energy losses will occur in the downside of the cable based on the length & frequency	The vendor must submit the technical data sheets along with the technical bid within the mentioned makes.
LIU Passive component	There are 24 port and 48 port LIUs mentioned in the BoQ. Generally, Port calculation is done for duplex ports. Need to clarify whether simples or duplex ports are considered in BoQ.	Need to clarify whether simples or duplex ports are considered in BoQ.	Depending on the OFC cable core, bidders need to consider the LIU ports.
Qty of Patch cord is higher than copper point Passive component	For copper, Data ports requirement is of 150 ports whereas patch cords considered are 1500. Also, detailed BoQ is required on copper to finalize on panel count.	1500 Patch cord are consider against 150 point	The vendor must quantify the requirements as per the design to determine the site requirements.
Fiber Patch cord Passive component	Patch cord LC to LC not mentioned	its required to connectivity between FW and core Switch	The vendor must quantify the requirements as per the design to determine the site requirements.
03 - TECHNICAL BID: A. Bidder Eligibility (Qualification Criteria): Similar Turn Key projects Page No 9	Bidder must have successfully completed at least 05 major IT Infrastructure/Networking projects of similar nature and value in the last three years FY 2021-22, 2022-23, and FY 2023-24.	its very higher qualifing criteria than project value and need to reduce it to enable maximum participant	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more
Similar trunk key projects Page No 22	Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24 Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last three years FY 2021-22, 2022-23, and FY 202324. of total Rs 50 Cror more	majore challenge 5 PO, and 5000 point. 50Cr is turn over or bidder or total PO value is 50Cr	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
3 Product Authorisation	b) Confirm that the products quoted are not end of life for 7 years. c) Confirm that the products would be covered under comprehensive warranty for the contract period.	some of OEM may challenge	Project Life 5 years but company should support devices for 7 years
Payment term Page 15	25% after delivery, 50% after installation, 25% 60 days after compli	75% 25%	No Change in tender Clause.
4. Hardware Installation:	It shall be the responsibility of the successful bidder to unpack, assemble, wiring, complete wiring and install, laying/connect cable between the various network components and hardware units and connecting them to the power supply. The bidder shall test all hardware operation and accomplish all adjustments necessary for successful and continuous operation of the hardware at all installation sites	OK, power supply and power component like electric material.	Raw power till UPS is responsibility of SSST, remaining all activity in bidder scope.
Line item 4 - WorkStation	You mentioned - 2 USB 3.2 Gen 2 (10 Gbps) Type-C® ports	We suggest - 1 SuperSpeed USB Type-C® 5Gbp may both OEM comes with single port	Clause Ammended as: 1 or more Type-C® 10gbps port
Laptop Page no 40	Laptop 16 GB: 1 X 16 GB/2 x 8 GB, DDR5, 5200 MT/s or higher	We suggest DDR4-3200 Or higher	No Change in Tender Clause
Laptop Page no 40	Laptop Ports: RJ45,	we suggest : USB to RJ45 converter	Bidder Should provide the OEM authorized RJ-45 convertor
Laptop Page no 40	Laptop Ports: USB 3.2 Gen 1 Type A ports (Nos. 2)	We suggest - 2 or higher SuperSpeed USB Type-A 5Gbps	Accepted: 2 or higher SuperSpeed USB Type-A 5Gbps
Laptop Page no 40	Laptop: Ports: USB4 Gen 2 Type C (20 G X1),	We suggest - 1 SuperSpeed USB Type-C® 5Gbp	Accepted- SuperSpeed USB Type-C® 5Gbp (1 port)




Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Data Centre and DR Security Components Page 34	<p>1 DC-Supply & Installation Rodent Controller System (12 Zone Rodent Repellent Panel - 1 Nos, Transducers - 11 Nos, 2 Core Cable - 100 Metres)</p> <p>2 DC-Supply & Installation of Fire Suppression System with Novac FM200 system For DC.</p> <p>3 DC-Supply & Installation of FIRE ALARM SYSTEM (Kidde, Apollo, Agni).</p> <p>2 Zone Convention Type fire alarm Panel - 1Nos, Photo Electric Smoke.</p> <p>Detector below False Ceiling - 5 Nos, Above False Ceiling Smoke Detectors.</p> <p>- 3 Nos, Response Indicators - 3 Nos, Manual Call Point - 1 Nos, Electronic.</p> <p>Hooter - 1 Nos, Armoured 2 Core 1.5 Sqmm Cable - 100 Metres.</p> <p>4 DC-Supply & Installation of Water leak detection system with Control Panel, Sensors and Required Cables</p> <p>5 DC-Supply & Installation of 2 MP IP Cameras 6 Nos, 8 Channel NVR with 30 Days Backup, with required cables and accessories. (Axis, Honeywell, Bosch, Tyco)</p> <p>6 DC-Supply & Installation of Access Control biometric security system with control panel, Electromagnetic lock and push button system. (Times,</p> <p>7) Data Centre Security Components, (Make -C System, Mazor, Ravel)</p>	<p>1. For Fire suppression system need qty and area details.</p> <p>2. For WLD system need qty and area details.</p> <p>3. For Access control system need qty and door details.</p> <p>4. For Environmental no details mentioned like how many sensors & which sensors.</p>	Bidder should personally visit site Survey.
ANNEXURE "F" Page No. 34	<p>7) Data Centre Security Components, (Make -C System, Mazor, Ravel)</p> <p>Sub Clause 1,2,3,4,5,6,and 7.</p>	<p>1. For Fire suppression system need qty and area details.</p> <p>2. For WLD system need qty and area details.</p> <p>3. For Access control system need qty and door details.</p> <p>4. For Environmental no details mentioned like how many sensors & which sensors.</p> <p>5. Nos of racks also required for Environmental monitoring system.</p>	Bidder should personally visit site Survey.
ANNEXURE "F" Page No. 35	9) Network Racks, LIU Patch panels, Patch Cords: Make Netrack / Valrack	1. Which serial number is single mode LIU and which serial number is for multimode LIU	Being a Trunkey project bidder need to design entire architecture. Diagram and qty given in tender document are approximate.
detailed scope of work - Page No.7	iv) Facility Management Services:	Please mention the working hours.	24 X 7 X 365
Certification (Clause 2)	The bidder must have a valid ISO 9001:2015 or ISO 20000-1:2018 Certification or CMMI Level 3 or higher certification.	The bidder must have a valid ISO 9001:2015 AND ISO 20000-1:2018 Certification AND CMMI Level 3 or higher certification.	Clause Ammended as: The bidder must have a valid ISO 9001:2015 AND ISO 20000-1:2018 Certification AND CMMI Level 3 or higher certification.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Similar Turnkey Projects (Clause 9)	Bidder must have successfully completed at least 05 major IT Infrastructure/Networking projects of similar nature and value in the last three years FY 2021-22, 2022-23, and FY 2023-24.	Bidder must have successfully completed at least 02 major IT Infrastructure/Networking projects of similar nature and value in the last three years FY 2021-22, 2022-23, and FY 2023-24.	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more
	Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24.	Bidder must have successfully undertaken minimum 02 Major IT Infrastructure/Networking supply, must have executed minimum 200 nodes during last three years FY 2021-22, 2022-23, and FY 2023-24.	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more
Average Sales Turnover (Clause 6)	Turnover in IT Sales/Infrastructure Project/Maintenance services Minimum of Rs. 50 Cr. generated from IT Networking supply and associated maintenance services during the last three financial years i.e., FY 2021-22, 2022-23, and FY 2023-24.	Turnover in IT Sales/Infrastructure Project/Maintenance services Maximum of Rs. 28 Cr. generated from IT Networking supply and associated maintenance services during the last three financial years i.e., FY 2021-22, 2022-23, and FY 2023-24.	Clause Ammended as: Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply, must have executed minimum 5000 nodes during last five years FY 2021-22, 2022-23, and FY 2023-24. Or Bidder must have successfully undertaken minimum 05 Major IT Infrastructure/Networking supply and associated maintenance services during last 5 years of total Rs 50 Cr or more
7)Data Centre Security Components-Sr.no 8-14	SYSTIMAX, Panduit, Nexus	"Due to the lower quality of the NEXUS brand compared to other options, including D-Link, we kindly request the removal of NEXUS from the product listing and the addition of D-Link products instead."	No Change in Tender Clause
Core Switch-4.2	Support MVR and PIM-SM, PIM-SSM.	Please modify this clause to Support MVR or IGMP snooping and PIM-SM, PIM-SSM.	Clause Ammended as: Support MVR or IGMP snooping and PIM-SM, PIM-SSM.
Core Switch-4.3	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more.	Please modify this clause to "130K IPv4 routes, 30K IPv6 routes & 4K multicast groups or more." Such a higher routing table is not required in switch.	Clause Ammended as: Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations.
Core Switch-4.5	The switch should support unicast Reverse Path Forwarding (uRPF) check feature	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause Ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.




Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Core Switch-8.1	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4-2,3,4,5,6,11 5	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause Ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
Distribution Sw-1.4	Should support 0°C to 40°C operating temperature and 10% to 90% relative humidity	Please modify this clause to Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity	Clause Ammended as: Should support 0°C to 40°C operating temperature and 15% to 90% relative humidity
Distribution Sw-2.3	Should support high-speed stacking/cluster with the ability to stack up to eight units & should support minimum 160Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables.	Please modify this clause to Should support high-speed stacking/cluster/active-active controle plane with the ability to stack up to two units & should support minimum 40Gbps stacking bandwidth or switch should support HA between 2 switches with necessary optics and cables or DAC cables.	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distribution Sw-3.1	802. 1Q VLAN on all ports with support for 4k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	Please modify this clause to 802. 1Q VLAN on all ports with support for 1k active concurrent VLANs & 4000 VLAN IDs and 802.1 AK or equivalent mechanism for dynamic VLAN propagation.	No Change in Tender Clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distribution Sw-4.3	Should support min 80K IPv4 routes, 40K IPv6 routes & 4K multicast groups or more.	Please modify this clause to Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.	Clause Ammended as: Should support min 24K IPv4 routes, 12K IPv6 routes & 4K multicast groups or more.
Distribution Sw-4.5	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Please remove this clause. uRPF is required on the ISP connected device to validate the source IP address of packets received on a ISP device.	Clause Ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Distribution Sw-8.1	Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000-4	Please modify this clause to Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32	Clause Ammended as: Switch should be compliant to following certifications and Safety Regulation: UL 60950-1, EN 60950-1, EN 60825-1, FCC CFR 47 Part 15 Class A, RoHS, WEEE, EN 55032, EN 55024, IEC/EN 61000/VCCI-CISPR 32
Access SW-48 port-6	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No change in Tender Clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-48 port-7	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this clause.	No Change in tender clause
Access SW-48 port-13	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in tender clause
Access SW-48 port-17	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause Amended as: Switch should support Port mirroring , RSPAN / ERSpan

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Access SW-48 port-28	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause Amended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.
Access SW-24 port-8	Switch should support - minimum 2 GB RAM and <u>2</u> GB flash, minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> , IP multicast entries : <u>500</u> or more, IPv4 Route Table: <u>3000</u> or more, IPv6 Route Table: <u>1500</u> or more.	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in tender clause: Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-24 port-9	Switch should support Macsec on all ports. With 128-bit Advanced Encryption Standard (AES) support.	Please remove this clause.	No Change in tender clause.
Access SW-24 port-15	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in tender clause.
Access SW-24 port-19	Switch should support Port mirroring/RSPAN.	Please modify this clause to Switch should support Port mirroring/RSPAN/ERSPAN	Clause Ammended as: Switch should support Port mirroring , RSPAN / ERSpan
Access SW-24 port-30	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32, Class A, standard for safety requirements of information technology equipment.	Please modify this clause to The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.	Clause Ammended as: The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950, EN 300 386, CISPR 32/35, Class A, standard for safety requirements of information technology equipment.
Access SW-12 port-5	Should support - minimum <u>16K</u> MAC or more, minimum IPv4 ARP Table: <u>8000</u> or high, minimum IPv4 route entries <u>3000</u> or high, minimum IPv6 route entries <u>1500</u> or high, minimum Multicast routing entries <u>500</u> or high, minimum VLAN entries <u>4096</u> .	Please modify this clause to Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries/multiast group :500 or more, support IPv4 Route Table: 1000 or more, support IPv6 Route Table:500 or more.	No Change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-12 port-10	Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	Please modify this clause to Switch should support 802.1w RSTP (Rapid spanning tree), Should support IP FRR/IRF/lond distance stacking /ITU G.8032 or equivalent for ring resiliency for fast/better convergence from day 1.	No Change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access SW-12 port-15	The Switch should support star and mesh as well as ring topology as a solution requirement.	Please modify this clause to The Switch should support star as ring topology as a solution requirement.	Clause Ammended as: The Switch should support star as ring topology as a solution requirement.
NMS-4	NMS Solution Architecture Must be able to support minimum 250 Devices (switches, routers, firewalls, servers, wireless VMware, VM, application, database) and should be scalable to 10000 Devices.	Please modify this clause to NMS Solution Architecture Must be able to support minimum 250 Devices (switches) and should be scalable to 10000 Devices.	No Change in tender clause.
NMS-5	NMS Must be able to create correlated topology based on CDP, LLDP , SNMP , STP connectivity hierarchy.	Please modify this clause to NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.	Clause Ammended as: NMS Must be able to create correlated topology based on CDP/LLDP/SNMP/STP/REST API connectivity hierarchy.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
NMS-6	NMS Must allow system-level operations such as device discovery, event management, logging and application & database monitoring to be performed centrally.	Please modify this clause to NMS Must allow system-level operations such as device discovery, event management, logging and application to be performed centrally.	No Change in tender clause.
NMS-8	NMS solution must allow for graphing or viewing in table format and multiple OIDs that are user selectable.	Please modify this clause to NMS solution must allow for graphing or viewing in table format.	No Change in tender clause.
NMS-9	Network Monitoring should allow scheduled events or tasks that the user can perform behind the scenes or schedule an event for another time in the future.	Please modify this clause to Network Monitoring should allow scheduled events or tasks.	No Change in tender clause.
NMS-10	NMS Must provide a utility to view and select MIB objects from a tree-based representation and include a compiler for new or third-party MIBs.	Please remove this point	No Change in tender clause.
NMS-21	NMS Solution should +D202:E204monitor Net flow.	Please modify this clause to NMS Solution should support monitoring and reporting	Clause amended as : NMS Solution should monitor Net flow or equivalent.
NMS-24	Should have the capability to integrate with 3rd party vendors such as Vmware, Sophos, Checkpoint, Cisco, Cisco Miraki, HPE, Dell, Fortinet, Microsoft Hyper V, SCCM, WatchGuard, Palo alto, McAfee, Citrix, Open stack etc.	Please modify this clause to solution Should have the capability to integrate with 3rd party vendors using API.	No Change in tender clause.
Cables	There are technical specifications only for fiber cable.	No specifications are mentioned for accessories and copper components. Attenuation is the most important parameter for fiber which is missing in the specifications.	Make for OFC is given, bidder need to use renowned brand, ISI mark and also need to submit Technical Specification Sheet from OEM.
Data I/O	There are 24 port and 48 port LIUs mentioned in the BoQ.	Generally, Port calculation is done for duplex ports. Need to clarify whether simplex or duplex ports are considered in BoQ. -For copper, Data ports requirement is of 150 ports whereas patch cords considered are 1500. Also, detailed BoQ is required on copper to finalize on panel count. - There is no clause for OEM Qualification and performance warranty. For any ICT project, these criteria are must	1) Bidder have to finalized the LIU sizing , As an trunky project bidder have to design and finilize Qty. 2) It needs for replacement of existing Patch Cables.
Average Sale Trunover in Hardware Sales and Maintainance Services	Turnover in IT Sales/Infrastructure Project/ Maintenance services Minimum of Rs. 50 Cr. generated from IT Networking supply and associated maintenance services during the last three Financial years i.e: FY 2021-22, 2022-23, and FY 2023-24.	Extracts from the Audited Balance Sheet and Profit and Loss OR Certificate from Statutory Auditor	Share both.
Similar TrunKey Projects	Bidder must have successfully completed at least 05 major IT Infrastructure/Networking projects of similar nature and value in the last three years FY 2021-22, 2022-23, and FY 2023-24.	Copy of Workorder with Valuse or Completion Certificate Client side POC from each prject with contact details	As mention in tender, work orders, work completion certificate, and POC details is must.
Core Switch Clause 4.3 Page 27	Should support min 200K IPv4 routes, 150K IPv6 routes & 4K multicast groups or more	Please amend the clause as ,"Should support min 200K IPv4 routes, 130K IPv6 routes & 4K multicast groups or more	Clause ammended as: "Should support min 200K IPv4 routes, 130K or more IPv6 routes & 4K multicast groups. Feature aligns with needs and growth expectations."

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
Core Switch Clause 4.3 Page 27	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	Clause ammended as: The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Distrubution Switches Clause 1.2 Page 29	Switch should be equipped with minimum 16GB RAM, 16 GB Flash/SSD & 32 MB of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	Please amend the clause as ,"Switch should be equipped with minimum 2GB or more RAM, 2GB or more Flash/SSD & 8 MB or more of packet buffer or more. Must support dual redundant power supplies that are hot swappable from day1. Must support N+1 redundant fan units / fans with front to back airflow	No change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Distrubution Switches Clause 4.5 Page 29	The switch should support unicast Reverse Path Forwarding (uRPF) check feature.	Kindly dilute/Remove this point	The switch should support unicast Reverse Path Forwarding (uRPF) check feature or equivalent and similar functionality.
Access Switch 48 Port Clause 9 Page 31	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as ,"Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Port Clause 8 Page 32	Switch must be supplied with minimum 1 power supply, support minimum 2 GB RAM and 2GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	Please amend as ,"Switch must be supplied with minimum 1 power supply, support minimum 1 GB RAM and 1GB flash, support minimum 16K MAC or more, support minimum IPv4 ARP Table: 8K, support ip multicast entries :500 or more, support IPv4 Route Table: 3000 or more, support IPv6 Route Table:1500 or more.	No change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 24 Port Clause 29 Page 33	Switch should support 4 MB or more packet buffer.	Switch should support 2 MB or more packet buffer.	No change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Access Switch 12 Port Clause 4 Page 33	Switch should support minimum 2 GB RAM and 2 GB flash.	Switch should support minimum 1 GB RAM and 1 GB flash.	No change in tender clause. Sansthan is seeking high-end switches that will remain supported for the next 7 years without requiring upgrades or replacements.
Dr Security Components Clause 7-14 Page 35	For cat6 cable, jack panels preferred brands systemax,panduit,nexus.	Please preffered Legrands as they provide 25 years warrenty on this.	No Change in tender clause.
Network Racks, LIU Patch panels, Patch Cords Page 35	Preferred brands Netrack / Valrack	Please approve Legrand in preferred brand as IT IS global specialist in electrical and digital building infrastructures.	No Change in tender clause.
NMS clause 21 Page 39	NMS Solution should monitor Net flow.	NMS solution should monitor NetFlow / Sflow / Jflow or equivalent.	Clause ammended as: NMS Solution should monitor Net flow or equivalent.

Tender Document (Section & Page No.)	Tender Clause	Clarification/ Changes Requested	SSST Clarification
NMS clause 24 Page 39	Should have the capability to integrate with 3rd party vendors such as Vmware, Sophos, Checkpoint, Cisco, Cisco Meraki, HPE, Dell, Fortinet, Microsoft Hyper V, SCCM, WatchGuard, Palo alto, McAfee, Citrix, Open stack etc.	This is major integration requirement on NMS and normally most of the vendors are not doing these all features..Hence please mentioned only few which really required on networking level.	No Change in tender clause.
General Terms & Conditions Page No-13, 6. Payment	25% Supply of Material, 50% Installation & Commissioning, 25% on after 60 days of 50% Payment	70% Supply of Material along with Test Reports, 20% Installation & Commissioning, Balance 10% on after 60 days of 20% Payment	No Change in tender clause.
03 Technical Bid Page No-9, A-5	Support Office in the state of Maharashtra	Self Certified undertaking with office address proof in Maharashtra (Will establish Support office against PO in Shirdi accept undertaking for the same)	Submit undertaking on company letterhead with seal and sign along with Technical Bid.


 Goraksha Gadilkar, I.A.S.
 Chief Executive Officer & Chairman Purchase Committee
 Shree Saibaba Sansthan Trust, Shirdi