

Government of Jammu and Kashmir
J&K e-Governance Agency, IT Department
Civil Secretariat, Jammu

Subject: Response to pre-bid queries w.r.t. tender published vide Notification No.10-JaKeGA of 2021 dated 15-03-2021 regarding "**Supply, Installation and Commissioning of LAN Network Setup at Civil Secretariat, Srinagar**"

This is in reference to the tender published Vide Notification No: 10-JaKeGA of 2021 dated 15-03-2021 regarding "**Supply, Installation and Commissioning of LAN Network Setup at Civil Secretariat, Srinagar**". In this connection, the response to the Pre-bid queries is annexed herewith as Annexure 'A'. The bidders are requested to take into account the responses before submitting bids online. The response to the pre-bid queries shall become part of the RFP.

Sd/-
(Simrandeep Singh) IAS
Secretary to Govt, IT Deptt/
Chief Executive Officer, JaKeGA

No. JaKeGA/LAN/20/2020

Dated: 26-03-2021

Copy to the:

1. Chief Executive Officer, JaKeGA for information.
2. Director Information, J&K with the request to get the same published in Local Dailies and Nationals.
3. FA/CAO, IT Department (Treasurer-JaKeGA) for information.
4. Pvt. Secretary to Secretary-ITD for information
5. Analyst-IT (Sh. Ishfaq) with the direction to upload the same on jktenders and JaKeGA website.
6. Office file


Manager-IT
J&K e-Governance Agency
(IT Department)

Pre-Bid Queries Response for Notification No. 10 JaKeGA 2021 dated 15.03.2021

S. No	Bidder Name	S. No.	RFP Document Reference(s) (Section & Page Number(s))	Content of RFP requiring Clarification (s)	Points of Clarification	Reply/Remark
1	AMAN TECHNOLOGIES	1	"Point 12 at Page 5 and Point 3 at Page 12"	Rs. 20,000/- (Rupees Twenty Thousand Only) to be deposited in the Bank Account mentioned below by or before the last date and time of submission of tender. Scanned copy of receipt is to be uploaded on JK Tenders portal along with the bid. The bank account details are as under: Title: JaKeGA Admin and Contingency. Account No: 0110040100019970 Bank: Jammu and Kashmir Bank Branch: Moving Secretariat Srinagar	Tender Fee is exempted for MSME registered organization. Kindly clarify on this exemption	Accepted. Only after furnishing of MSME certificate in relevant field.
2		2	Page 9 Clause 4.7	The compatibility of all the networking components is the essence of this tender for efficient working of the network, hence bidders shall essentially quote all active components of one make for Switches in Local Area network and one make for Wireless Access Points. Any deviations in this matter will subject to disqualification. Similarly, bidder has to quote all the passive components like Optical Fibre, Cat 6 or similar cable, LIU's, Fiber Patch Cords, Patch Panels, RJ-45 connectors of the same make as per Tender Specifications.	Switches and Access points should be from Same OEM. All Passive items from same OEM. Kindly clarify on this exemption. Due to technology adaption there may be some inconsistency in availability of Cat 7 items from one passive OEM. Kindly relax this criteria.	Same OEM with Cat 7 or higher
3		3	Page 9 Clause 4.9	No part shipment/transshipment/third party shipment shall be acceptable.	Due to urgency / requirements of the project part shipment / transshipment etc. will be required. Request to allow the same.	Allowed for exception circumstances which are beyond the control of bidder however SLA and timelines are to be adhered as given in RFP.
4		4	Page 10 Clause 4.22	Consortium of maximum of two bidder is allowed and one of them shall be prime bidder. Any consortium bidder/bidders should only submit a single unique bid. All the documents for eligibility and all evaluations shall be carried out on prime bidders documents.	Documents for eligibility and evaluation should be allowed for either of the consortium bidders. All the documents for eligibility and all evaluations shall be carried out on any / either of the bidders documents.	Prime bidder has to fulfill the eligibility i.e. only Prime Bidders document will be taken for scrutiny.
5		5	Page 10 Clause 5.4c	10 % of payment shall be made upon successful working of the setup for a period of 06 months from the date of Go Live. However, the bidder shall submit the 03% PBG from the date of installation and commissioning for a period of O&M of 5 years from the date of Go Live.	Since PBG is taken from the bidder, 10% payment after 6 months will increase project cost and will be a financial liability of bidder and the organization. Request to release 30% on installation instead of 20%.	As per RFP.
6		6	Page 10 Clause 5.5	JaKeGA may decrease or increase any active or passive component or both and make a commensurate adjustment in the corresponding service components while issuing work order or at a later stage.	Decrease of quantity after the Work order is placed may not be possible as once the order is placed to OEM that item cannot be cancelled. Suggest to remove the clause of decrease of item / quantity after placement of Work Order.	May be read as, "JaKeGA may decrease or increase passive components and make a commensurate adjustment in the corresponding service components while issuing work order or at a later stage."
7		7	Page 11 Clause 5.7	JaKeGA may decrease or increase any active or passive component or both and make a commensurate adjustment in the corresponding service components while issuing work order or at a later stage.	Most of the OEM items required are specific made to order and are not available ex stock with OEM. Similarly installation for passive and active items as per the project requirement will take time. Request to increase delivery to 2 months and installation 2 months from delivery.	The Material delivery has to be done in Six weeks from the release of work Order and complete installation has to be done within Eight weeks from the date of release of work Order. SLA for interim installation as needed to be complied. However the SLA for 1000 nodes and Access point shall remain intact i.e. Annexure III - SLA Clause No I and II.
8		8	Point 5 at Page 16 and Point 1 at Page 17	Type of Company Attach Proof of Company Registration along with a copy of the Partnership Deed/ Article of Association and Memorandum of Understanding 6 Name and d	Partnership Firm is there but Proprietorship firm is not present. This is excluding certain class of bidder. Kindly add Proprietorship Firm.	Proprietorship is allowed.
9		9	Page 18 Point VII	VII. The Bidder- System Integrator should have average turnover of Rs 15.00 Cr Fifteen Crores in last three Financial years i.e. (2017-18, 2018-19, 2019- 20) duly certified by registered CA	MSME organizations are exempted from turnover clause. Request to exempt MSME organization from turnover clause.	same as above

10	10	Page 18 Point VIII	One Project of Local Area Networking (LAN) with work order of the value of 10 Crore or more in any State/ Central Government/ Government Agencies / PSU; or Two Projects of Local Area Networking (LAN) with work order of the value of 6.5 Crore or more in any State/ Central Government/ Government Agencies / PSU	Qualification of these project values are on higher side, request for its reduction to make more organization qualify and even support local System Integrators. One Project of Local Area Networking (LAN) with work order of the value of 7.5 Crore or more in any State/ Central Government/ Government Agencies / PSU; or Two Projects of Local Area Networking (LAN) with work order of the value of 5 Crore or more in any State/ Central Government/ Government Agencies / PSU	As per RFP.
11	11	Page 10 Point I & II	I. Bidder to install and commission 1000 LAN nodes in all respects in working condition within 20 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 5% to the bidder on the overall bid value. II. Bidder to install and commission all Wi-Fi access points in all respects in working condition within 20 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 5% to the bidder on the overall bid value.	Too short a time for supply and installation. The items as per specifications are not ex stock items and order is placed to OEM on B2B basis where there is a lead time. Similarly for installation of 1000 nodes using Cat 7 and accessories the time required is high. Request to change the time from 20 days to two months.	As per RFP.
12	12	Page 20 Point XI	One Onsite Support Engineer to be provided as per BOM of this tender	As per Financial BOQ item 83 Three onsite Network Support Manpower resources are required. There may a Typing error on this page which is to be corrected. Three Onsite Support Engineer to be provided as per BOM of this tender.	Need three onsite Networking expert manpower resources who shall manage and maintain the day to day operations of the entire Network. As per Financial Bill of material i.e Three onsite Networking Support manpower resources from the date of sign off of installation and Commissioning and Go Live for 5 years
13	13	Page 9 Point 4.1	Bidders are requested do a survey and understand the existing Network of Civil Secretariat Srinagar for Smooth Integration with existing network. Survey can be done during the tending process upto last day of bid submission with prior requisition sent to email: ceojakega@nic.in supported by contact person email and phone number of intending person. In case no requisition is received or survey is not carried out and in future it is noticed that there is any integration challenges, then bidder will be responsible for the same. Hence if any extra material will be needed because of this laxity then its expenses will be borne by the bidder.	As per the initial survey done by our team at Srinagar there is an existing setup of WiFi implemented in last few years. Is this Wifi to be integrated with the current project. Also request to clarify if the SDN licenses / support / services and setup of existing WiFi is covered in this project or that will be separate.	As per RFP
14	14	1	Core Switch/Aggregation Switch/ Access Switch Lan Type 1 & 2 . Page No. 22/26/23/25	As per RFP Voice & Video is also part of RFP. And this being as a core/Aggregation switch IEEE 802.1ba (AVB) protocol is missing which ensure better Audio & video experience with time proper Time synchronization and QoS. SO requests you to add " Switch shall have IEEE 802.1ba Av bridging inbuilt into switch ". This is critical feature for LAN environment.	As as RFP
15	15	2	Core Switch/Aggregation Switch/ Access Switch Lan Type 1 & 2 . Page No. 22/26/23/25	Clock synchronization feature is missing which is needed for Logs timing stamp otherwise logs will not be useful without time sync. So requests you to kindly add " Precision Time Protocol or IEEE 1588v2 to provide clock synchronization with sub-microsecond accuracy ". This is critical feature for LAN environment.	As as RFP

16	3	Core Switch/Aggregation Switch/ Access Switch Lan Type 1 & 2 . Page No. 22/26/23/25		As per RFP SDN based network is asked which is very much needed for today environment for LAN automation, quick provisioning and single policy & management of network. But Network programmability features are missing so requests you to kindly confirm whether programmability features are needed as per below" Switch shall have Enterprise grade OS with model-driven programmability with support of Netconf, Restconf, YANG, on-box Python scripting, switch telemetry streaming, Application hosting on switch based on Kubernets/Container based and hot patching and bug fixing. "Programmability of switch is critical for advance SDN .	As as RFP
17	4	Core Switch/Aggregation Switch/ Access Switch Lan Type 1 & 2 . Page No. 22/26/23/25		Zero-touch provisioning and LAN automation is critical feature of SDN . But security should be there while plug & play deployment or zero -touch provisioning of switch which is missing here. So request you to kindly clarify whether " Switch shall have unique identification ID for plug n play deployment, tamper proof identity, secure zero touch provisioning by allowing switch to show certificate to server to get on-boarded ithe network " is needed.	As as RFP
18	5	VoIP SetUp.Page No. 39.	Should be quoted with 3000 Phone licenses from day one	Please confirm if 3000 licenses day one? This clause contradicts point 2 of the section, where in scalability to 3000 users is required	200 concurrent Licenses. The quantity of IP Phones shall be substantially reduced as per requirement and accordingly PO shall be ammended and issued.
19	6	VoIP SetUp.Page No. 39.	The call control system should be fully redundant solution with no single point of failure & should provide 1:1 redundancy.	Please confirm if the solution should cater to 1:1 redundancy is active-active mode. Active-Active mode is recommended so that the failover is automatic without any users getting impacted.	Accepted.
20	7	Video IP Phone.Page No. 41.	Should support following audio codec - G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC), OPUS	We request you to kindly make iSAC optional	As per RFP
21	8	Core Switch/Aggregation Switch/ Access Switch Lan Type 1 & 2 . Page No. 22/26/23/25.		Kindly Add "Switch Operating System should be tested and certified for EAL/NDPP or above under Common Criteria Certification".EAL/NDPP certification ensure OS, Kernal or hardware is not vulnerable. This is critical in Switches as this device connect all the users over LAN any vulnerability will lead to compromise of whole network.	As per RFP. However Bidder to ensure provided OS, Kernal and hardware is secure and not vulnerable.
22	9	Access Switch Lan Type 1 & 2.Page No. 23/25.	Point no.-21 & 20 Layer 2 Encryption	As layer 2 encryption is asked as part of RFP, So request you to clarify whether we need provide security functionality in switch which provide malware detection even in encrypted traffic by Encrypted traffic Analytic features" Kindly confirm .Encrypted traffic Analytic features use machine learning and analytics function to detect and control the malware in network using	As per RFP
23	10	Access Switch LAN Type 2.Page No. 25.	Switch shall have minimum 570 Gbps of switching fabric and 430 Mpps of forwarding rate without considering stack throughput	requests to change it as " witch shall have minimum 640 Gbps of switching fabric and 450 Mpps of forwarding rate without considering stack throughput and shall support deep buffer to address the requirements of rich multi-media content delivery and large routing tables" .As per calculation for 24 Multigig Port & 2*40G uplink port switch throughput should be = $2 * \{ (24 * 10) + (2 * 40) \}$	As per RFP. Bidder is open to quote product with higher specification.
24	11	NGFW Hardware Architecture.Page No. 35.	The appliance should have atleast 4 X 10G SFP+ ports and should be scalable to additional 6 X 1/10G SFP+ port in future	Suggested Specifaition:- The appliance should have atleast 4 X 10G SFP+ ports and should be scalable to additional 4 x 40G ports and 8 X 10G SFP+ port in future.Considering Core switch and other solution component specifications, request you to add 40 G Ports along with few additional 10G ports for future scalability.	As per RFP. Bidder is open to quote product with higher specification.

25	12	NGFW Hardware Architecture. Page No. 35.	The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system to support higher memory and should support minimum of 64 GB of RAM or more	Suggested Specification:- The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system to support higher memory and should support minimum of 96 GB of RAM or more. The overhead of memory thrashing leads to high latency, low performance, and file size limitations. Outdated DPI methods gather and store traffic in memory to scan it. When using this proxy or assembly approach, memory is consumed until it runs out, resulting in a firewall either passing traffic through un-scanned (unacceptable) or blocking all traffic until memory is freed up. So request to increase the minimum RAM.	As per RFP. Bidder is open to quote product with higher specification.
26	13	NGFW Performance & Scalability. Page No. 36.	Firewall should have at least 3 Gbps VPN Throughput and 7.5K VPN users	Suggested Specification:- Firewall should have at least 6 Gbps VPN Throughput and 7.5K VPN users. Current pandemic situation, higher VPN throughput is recommended so request to increase the VPN throughput to allow more secure remote connectivity.	As per RFP. Bidder is open to quote product with higher specification.
27	14	NGFW Performance & Scalability. Page No. 36.	Firewall should have at least 30,000,00 concurrent sessions with application visibility turned on	Suggested Specification:- Firewall should have at least 10,000,000 concurrent sessions with application visibility turned on. Considering NGFW throughput and ports specifications request to increase the minimum concurrent session requirement.	As per RFP. Bidder is open to quote product with higher specification.
28	15	NGFW Performance & Scalability. Page No. 36.	Firewall should have at least 50,000 connections per second with application visibility turned on	Suggested Specification:- Firewall should have at least 85,000 connections per second with application visibility turned on. Considering NGFW throughput and ports specifications request to also increase the minimum new connections per second requirement.	As per RFP. Bidder is open to quote product with higher specification.
29	16	NGFW NG Firewall Features. Page No. 39.		Suggested Specification:- Should support integrated DDoS flood attack prevention with automatic Real Time Signature generation based on Rate Variant, Rate Invariant algorithms & Challenge Response Mechanisms; within few seconds, without human intervention. Appliance must have behavioral analysis using behavioral algorithms and automation to defend against threats, including Mirai DNS Water Torture, Burst and Randomized attack. To detect and mitigate the most sophisticated attacks, including previously unknown, "zero-day" attack-vectors, and utilizes challenge-response mechanisms to determine good users from bad.	As per RFP. Bidder is open to quote product with higher specification.
30	17	NMS, AAA and SDN (Separate Systems/Solutions). Page No. 45.		Solution should include all required licenses to perform authentication, authorization, and accounting (AAA) and guest management services for at least 5000 users or endpoint from day one and Device posturing, Profiling and provisioning for 2500 users. As posture assessment is recommended for every user connecting to network. Please clarify if posturing and profiling service required for all 5000 users.	As per RFP. Bidder is open and encouraged to quote product with higher specification.
31	18	NMS, AAA and SDN (Separate Systems/Solutions). Page No. 47.		NAC should have an integrated single appliance capable of performing Guest Access Complete Guest Life Cycle, Closed loop BYOD, Device Admin (TACACS+), Certificate Authority, Group based access control & Segmentation. For enhanced visibility and granular control for guest and BYOD device request to consider these services along with profiling, posturing guest management.	As per RFP. Bidder is open and encouraged to quote product with higher specification.

CISCO Systems

32	19	NMS, AAA and SDN (Separate Systems/Solutions).Page No. 47.		Solution must have single unified agent for VPN, Posture assessment & 802.1x authentication.Users especially non IT users finds it difficult to have multiple agent installed on systems and also central management of different agents is also difficult. Hence request to consider this clause.	As per RFP
33	20	NMS, AAA and SDN (Separate Systems/Solutions).Page No. 47.		Solution must allow supplicant provisioning without MDM.Request to consider additional specification to have granular control while device provisioning for device connecting via wireless/wired/VPN	As per RFP
34	21	DNS Security.Page No. 48.		Please confirm if DNS security required for all 5000 users from day one.	Yes, for 5000 users from day one.
35	22	Servers.Page No. 32.	The HCI solution will have integrated network switch as part of the solution. The network switch should support QoS to streamline HCI network traffic to improve traffic filtering, segmentation and performance.	The HCI solution will have Redundant 10G network switch as part of the solution. The network switch should support QoS to streamline HCI network traffic to improve performance.Request to kindly generalize the requirement.	As per RFP
36	23	Servers.Page No. 32.	The solution should support technology that continuously analyzes workload consumption, costs and compliance constraints and automatically allocates resources in real-time	The solution should support technology that analyzes workload consumption in real time and automatically allocates resources accordingly.Request to kindly generalize the requirement.	As pere RFP
37	24	Servers.Page No. 32.	Solution nodes should provide Boot & OS drive and Boot disk should be in addition to capacity and cache disks	Solution nodes should provide Boot/ OS drive and Boot/OS disk should be in addition to capacity and cache disks.For few vendors Boot and OS are the same things. Request to generalize this point for wider participation.	As per RFP or vendors convinience.
38	25	Servers.Page No. 33.	The network switches included with the HCI solution shall be able to connect to storage fabric over FC, FCoE, NFS, ISCSI & SMB protocols. The network switch will support QoS to streamline HCI network traffic to improve traffic filtering, segmentation and performance	The network switches included with the HCI solution shall be able to connect to storage fabric over FC, NFS, ISCSI & SMB protocols. The network switch should support QoS to streamline HCI network traffic to improve performance.Request to kindly generalize the requirement for wider participation.	As per RFP
39	26	Servers.Page No. 33.	The management tool should be able to provide global resource pooling, inventory and policy management to enable policy based automation. Shall monitor server alerts & health status across three datacentres from a central customizable dashboard.	The management tool should be able to provide global resource pooling, inventory and policy management to enable policy based automation. Shall monitor server alerts & health status from a central customizable dashboard.We understand it's a single site requirement. Request to kindly confirm and update this point for better clarity.	As per RFP
40	27	Servers.Page No. 34.	Cluster to provide 50 TB usable storage capacity post RAID1 or equivalent without considering any data saving technique like (erasure coding, deduplication, compression etc) using Enterprise SSD Drives of 3.6T capacity . Solution shall be able to withstand one Node failure	Cluster to provide 50 TB usable storage capacity post RAID1 or equivalent without considering any data saving technique like (erasure coding, deduplication, compression etc) using Enterprise SSD Drives of 3.8T capacity . Solution shall be able to withstand one Node failure.No SSD comes in a capacity of 3.6TB. We understand this is a typo error. Request to kindly update.	Accedpted. 3.6T to be read as 3.8TB or higher.
41	28	Servers.Page NO. 34.	The solution should support strong multi DC management strategy, managing all site resources from single console. The tool should support for a range of public cloud platforms for future	The solution should support strong multi DC management strategy, managing all site resources from single console. The tool should support for a range of public/Private cloud platforms for future.Request to please change for wider participation.	As per RFP
42	29	Servers.Page NO. 35.	The solution should provide a centralized management portal that allows users to quickly and easily model, deploy, and manage applications. It also gives administrators enterprise-class visibility and governance control of applications, clouds, and users	OEM specific Point. Request to kindly remove.	The clause is deleted however vendor to provide a mechanism to manage the same in centralized manner.
43	30	Servers.Page No.35.	The solution should provide application centric network, security configurations	OEM specific Point. Request to kindly remove.	It is not OEM Specif. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
44	31	Servers.Page No. 35.	The solution should provide cloud usage optimization and cost reduction across multiple clouds. It should use automated recommendations to optimize consumption, simplify inventory and total spend reporting across clouds, accounts and users& Implement right sizing aligned with policy	OEM specific Point. Request to kindly remove.	It is not OEM Specif. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.

45	32	Servers.Page No. 35.	The Solution should be multi-tenant and be able to manage roles in a multi-DC, multi-user environment and Admin can restrict which cloud/cloud accounts users/groups/tenants can access	OEM specific Point. Request to kindly remove.	It is not OEM Specif. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
46	33	Servers.Page No. 35.	The solution should have pre-built task libraries for Day 0 automation of infrastructure (Network, Storage, Server, Load balancer, firewall etc.)	OEM specific Point. Request to kindly remove.	It is not OEM Specif. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
47	34	Servers.Page No. 35.	Bidder must quote appropriate license to enable and meet mentioned features in the Cloud solution Architecture	OEM specific Point. Request to kindly remove.	It is not OEM Specif. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
48	35	Servers.Page No. 35.		Hardware vendor and SDS layer should be from single OEM.Request to include this additional point to ensure better integration and support w.r.t entire solution.	As per RFP.
49	1	Funtional Requirement For LAN	Existing Controller is providing the central management from single dashboard, device lifecycle management like device discovery, topology, inventory, image upgrade for both for wired and wireless networks. Proposed solution should be integrated with this controller by adding the additional licenses.	Please remove the point or please consider the change as " Controller shall provide the central management for device lifecycle management like device discovery, topology, inventory, image upgrade for both for wired and wireless networks. This point will allow only one OEM. The ask should be for a wireless solution that can fulfill the requirement rather than paying for the expansion of an old generation technology. This point must be removed. We should allow OEMs to propose a futuristic solution that can scale, easy to manage, and cost-effective.	As per RFP. Further May kindly refer S. No 8 of Annexure VI.
50	2		After Integration with Controller solution should support multiple application to solve business problem like end to end path trace, automated end to end QoS deployment in the network, automation to create SD-LAN fabric etc.	Please remove this point .Again favoring only one OEM. Ask should be for all the required features and look for a solution that can fulfill the requirement and should bring more features that will add more value to the entire infrastructure. The current controller can't support any integration with a different OEM and it seems a legit requirement for Srinagar Secretariate (as this network should keep expanding). Hence we would suggest the customer should go for a solution that can provide options for integration with any other OEM in the future.	As per RFP. Further May kindly refer S. No 8 of Annexure VI.
51	3		Existing controller shall provide the ability to create SD-LAN fabric with following capabilities:	Please consider to change the point to " controller shall provide the ability to create SD-LAN fabric with following capabilities".This point will allow only one OEM. The ask should be for a wireless solution that can fulfill the requirement rather than paying for the expansion of an old generation technology. This point must be removed. We should allow OEMs to propose a futuristic solution that can scale, easy to manage, and cost-effective.	The point is calrified in detail at S. no 49 above.
52	4		Communication between switches should be encrypted at Layer 2. It also encapsulates and protects the metadata fields. It should use industry standard MKA.	Please remove this point .The mechanism asked in the Specificiaion is allowing only one OEM to qualify, At layer 2 encryption is not required it will rather add overhead and induce latency.	Bidder can propose equivalent or better soluton with proof for same functionality. As per IEEE 802.1AE this feature works at line rate and hence doesnt sacrifice performance.
53	5		Controller should able to integrate with NAC solution if not integrated to provide integrated security with SD-LAN functionality.	Please remove this point .The Mechanism asked in the specification point to cisco SD-access solution which is proprietary in nature and will only allow Cisco to qualify, Why cant NAC solution integrate with Switch and Aps for autehntciation purpose why it has to only integrate with controller.	Integartion of Controller with NAC solution is not OEM specific. It is needed to provide the centralized policy structured for SDN solution. However bidder can quote integration with with AP's & switch and provide the same outcome. .
54	6		Controller should able to integrate with external services like DHCP, DNS, SNMP, AAA servers	Please remove this point .The Mechanism asked in the specification point to cisco SD-access solution which is proprietary in nature and will only allow Cisco to qualify, Our System controller can intergate with SNMP server.	Bidder can quote integration with with AP's & switch and provide the same outcome as per RFP.

55	7		Controller should be able to collect real time telemetry data from syslog, snmp, flow etc. and should provide end to end visibility, network time travel, proactive and predictive information for troubleshooting	Please consider to change the point to " controller shall be able to collect real time telemetry (Sub-second) data from the switches and Access points and should provide end to end visibility, network time travel, proactive and predictive information for troubleshooting. This is again favoring a single OEM, Why controller need to collect the telemetry data from Syslog for SNMP (These technology themselves are old and are not realtime) Telemetry is always fetched from the switches and AP directly to be realtime.	Existing solution is already fetching the telemetry from existing WLC, Switches and AP's along side syslog & SNMP to make comprehensive datasets required for analytic functionality. However bidder can provide equivalent solution that gives comprehensive data from all the devices.
56	8		Administrator shall be able to do end-to-end Network Assurance to pin point the network segment where the issue occurred.	Please consider to change the point to system shall be able to find the network segment where the issue occurred. The word Network assurance itself is pointing to cisco SD-access solution .	Bidder can quote Network assurance or equivalent solution . End to End network visibility is most important need of today's modern network. It is not specific to any OEM.
57	9		The assurance solution shall provide wired and wireless assurance of the network, client and application	Please consider to change the point to " The solution shall provide the performance of the network, client and application". The word Network assurance itself is pointing to cisco SD-access solution .	Bidder can quote Network assurance or equivalent solution . End to End network visibility is most important need of today's modern network. It is not specific to any OEM.
58	10		The Assurance and Analytics engine shall gather data from various sources	Please consider to delete this point or explain what is the requirement . This is not a functional ask but an approach that a specific solution or OEM takes, this point does not lead to the requirement hence it favours a specific approach.	Bidder can quote Network assurance and Intelligence analytics or equivalent solution to achieve the mentioned functionality of the RFP.
59	11		Ability to send diagnostic CLI command to select devices	Please remove this point. This approach is vendor specific, Please specify the functional requirement and every OEM will provide the way to achieve the same.	This is generic ask for diagnostic. Bidder can propose equivalent solution to achieve the same .
60	12		Compare customer network with peer networks through benchmarking	Please remove this point . This point is specific to an OEM, What is the use case here .	Clause deleted.
61	13	Core Switch.	Switch shall have 16 GB RAM and 16 GB Flash	Please consider to change the clause to " Switch shall have 8 GB RAM and 8 GB Flash". From RFP perspective the ask should be performance not the specific GB of RAM/Flash as this totally depends on implementation how another OEM can give you same performance without increasing the RAM and CPU.	May be read as " Switch shall have 8 GB DRAM and 8 GB Flash or higher"
62	14		Switch should support SSD to host 3rd party container-based application	Please remove this point . This point favours specific OEM.	As per RFP . We might require to host some programmability application/docker or forensic tools like Wireshark/packet capture on switch itself. Hence Bidder can propose same either on switch or separate device such as the servers supplied under this project to host such applications with high-availability .
63	15		Switch should support minimum 16K ACLs, 24K Multicast and 64K IPv4 & 64K IPv6 Routes..	Please consider to change the point to "Switch should support minimum 2K ACLs, 24K Multicast and 64K IPv4 & 64K IPv6 Routes.. This is to allow participation of leading OEM.	Accepted. Revised clause to be read as "Switch should support minimum 4K ACLs, 24K Multicast and 64K IPv4 & 64K IPv6 Routes or higher."
64	16		Switch shall support application visibility and traffic monitoring with minimum 60 K sflow/jflow/netFlow entries.	Please consider to change the point to " Switch shall support traffic monitoring through sflow/jflow/netFlow entries. Application visibility on core switch is a OEM specific feature , Please remove the clause for wider participation.	As per RFP. Application visibility and security incident detection across network is need of modern or futuristic network. Modern networks have multiple traffic flows which would need higher scale supported on infrastructure. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
65	17		Packet buffer : 36 MB	Please consider to change the packet buffer to 32 MB. There is hardly any difference between 36 and 32 MB, This will help other OEM to participate.	May be read as, "Packet buffer : 32 MB or higher."

66		18	Communication between switch to switch should be encrypted at Layer 2 and should encapsulates and protects the metadata fields. It should use industry standard MKA. Communication should have AES-GCM (Galois/Counter Mode) symmetric encryption, to provide line-rate encryption and decryption and provides replay attack protection of every frame. Switches should support MACSec encryption (MACSec - 256) for switch-to-switch (inter-network device) security using OEM proprietary & MKS-based key exchange protocol.	Please remove this point. Why a OEM proprierty solution is required, as this Mechanism points to a proprietary solution. Second within a LAN why a encryption is needed between two switches.	As per RFP MACSec is open standard as per IEEE 802.1AE standard. Existing controller and switches support this feature and this need to be integrate with existing set-up. However bidder can proposed equivalent or better solution with proof for same functionality.
67		19	Must support BGP, MPLS, IS-IS, VRF, VXLAN, NAT, OSPF Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day	Please consider to change the point to " Must support BGP, IS-IS, VRF, VXLAN, NAT, OSPF Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day". MPLS is required and will work at router why this funtion needed on a Core switch.	Accepted.
68		20	Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security.	Please consider to change the Point to " Switch should support port security, DHCP snooping/equivalent, Spanning tree root guard, First Hop Security. We provide the DHCP snooping funtion with equivalent feature .	Accepted. Equivalent or better feature is accepted. Bidder has to provide relevant industry standard document for same.
69		21	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	Please remove this point . This point favour specific OEM all the Platforms have diffrent way of Integrety check hence please remove this clause .	As per RFP . however, Bidder can quote same or equivalent technology to ensure secure boot of the system when conected in network. Secure boot is not OEM specific. It is standard developed by PC industry to ensure security while checking the integrity & authenticity of software/OS running in device.
70		22	Access Switch LAN Type-1 Switch should have minimum 8 GB RAM and 8 GB Flash.	Please consider to change the point to " Switch should have minimum 4 GB RAM and 8 GB Flash." From RFP perspective the ask should be performance not the specific GB of RAM/Flash as this totally depends on implementation how another OEM can give you have same performance without increasing the RAM and CPU.	As per RFP
71		23	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Should support for minimum 460 Gbps of stacking throughput with 8 switch in single stack support.	Please reomove this point or consider to change the point to "Switch should support Stacking or equivalent technology and it allow 5 Switches in a stack" . The asked specification is favoring a single OEM, Stacking anyways is old technology and has lots of inherent problem which forces a organization into Vendor locked in situation when try to expand stack in future.	Bidder can provide stacking or equivalent technology with asked stacking throughput without consuming the downlink/uplink port of the switch. 8 switches in a stack is industry standard not OEM specific.
72	ARISTA	24	Switch should have power redundancy feature in stack which shall aggregates all the available power of switches in a stack and present it as one common power pool for the entire stack.	Please remove this point . This Point is only favoring Cisco again, the technolgy asked has its only problem where in case of bug or failure all the POE ports go down.	Bidder can quote equivalent or any other solution to create the pool of power as a common resource in a stack.
73		25	Switch should support atleast 64K flow entries	Please remove this point . Why such a high flow entry scale is required in campus. These scales are applicable for datacenters	Clarified at S. No 64 above.
74		26	Switch should support 128 or more STP Instances.	Please consider to change the point "	As per RFP. STP is industry standard for loop free architetcure.
75		27	Switch should have 16MB or more packet buffer.	Please consider to change the point to " Switch should have 8MB or more packet buffer."	As per RFP.
76		28	Should have advance Layer 3 protocol like BGPv4, BGPv6 , MPLS, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP	Please consider to change the point to " Should have advance Layer 3 protocol like BGPv4, BGPv6 , VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP. Why technolgy like MPLS is required on Access switch, Please remove this as this favours only one OEM	Accepted
77		29	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	Please consider to change the point to " Switch should support IPv6 Binding Integrity Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard." Some of these technology are only supported by one OEM .	These are IPv6 security features as per industry standard to ensure maximum security in IPv6 network .

78	30	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware	Please consider to change the point to " Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment ".Not sure why MACsec is required on Access switch .	Bidder can proposed equivalent or better solution with proof for same functionality. MACSec is open standard as per IEEE 802.1AE standard.
79	31	Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.	Please remove .This technology is propriety to Cisoc .	Auto provisioning & Auto configuration is need of modernize network to enable faster deployment , changes and troubleshoot. The Bidder is open to quote a solution with 3rd party integration solution to achieve the feature.
80	32	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	Please remove this point .This point favour specific OEM all the Platforms have different way of Integrity check hence please remove this clause	Clarified at S. No 69 above.
81	33	Switch shall have 48 nos. 10/100/1000 Base-T Access ports and with 2* 40G SFPtransceiver for uplink connectivity	Please consider to change the point to "Switch shall have 48 nos. 10/100/1000 Base-T Access ports and with 2* 25G SFPtransceiver for uplink connectivity".In your Uplink switches i.e Distribution switches you have no where asked for 40 G ports then why At access 40 G ports are required"	Core switch is asked with 40G Interfaces for downlink and these switches will be uplink to core switch over 40G ports.
82	34	Access Switch LAN Type-2 Switch should have minimum 8 GB RAM and 16 GB Flash	Please consider to change the point to " Switch should have minimum 4 GB RAM and 8 GB Flash."From RFP perspective the ask should be performance not the specific GB of RAM/Flash as this totally depends on implementation how another OEM can give you have same performance without increasing the RAM and CPU.	May be read as, " Switch should have minimum 8 GB RAM and 8 GB Flash or higher"
83	35	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Should support for minimum 460 Gbps of stacking throughput with 8 switch in single stack support. These switches should be stacked with other PoE switches and then uplink to Aggregation switches over multiple of 25G interfaces.	Please remove this point .When we are deciding to go with 24 Port switch then why stacking is required,If port volume is required then it should be in 48 Port switch.	Clarified at S. No 71 above.
84	36	Switch should have power redundancy feature in stack which shall aggregates all the available power of switches in a stack and present it as one common power pool for the entire stack.	Please remove this point .This Point is only favoring Cisco again, the technology asked has its only problem where in case of bug or failure all the POE ports go down.	Clarified at S. No 72 above.
85	37	Switch should support atleast 64K flow entries	Please remove this point .Why such a high flow entry scale is required in campus. These scales are applicable for datacenters	Clarified at S. No 64 above.
86	38	Switch should support 128 or more STP Instances.		Clarified at S. No 74 above.
87	39	Should have advance Layer 3 protocol like BGPv4, BGPv6 , MPLS, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP	Please consider to change the point to " Should have advance Layer 3 protocol like BGPv4, BGPv6 , VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP.Why technology like MPLS is required on Access switch, Please remove this as this favours only one OEM	Accepted.
88	40	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 neighbor Discovery Inspection and IPv6 Source Guard.	Please consider to change the point to " Switch should support IPv6 Binding Integrity Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard."Some of these technology are only supported by one OEM	Accepted.
89	41	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware	Please consider to change the point to " Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment ".Not sure why MACsec is required on Access switch	Clarified at point 66 above
90	42	Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.	Please remove .This technology is propriety to Cisoc	As per RFP. Further it is intended that vendor to provide a mechanism to achieve the mentioned requirement of RFP.

91	43		During system boots, the system's software signatures should be checked for integrity. System should be capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	Please remove this point. This point favours specific OEM all the Platforms have different way of Integrity check hence please remove this clause	Clarified at S. No 69 above.
92	44		Switch shall have 24 Multigigabit POE/PoE+ with all 2.5/5/10 Gigabit(Gbps) ports and with 2*40G (GBPS) SFP Modules.	Please consider to change the point " Switch shall have 24 Multigigabit POE/PoE+ with all 1/2.5 Gigabit(Gbps) ports and with 2*25G uplink ports. In your Uplink switches i.e. Distribution switches you have no where asked for 40 G ports then why At access 40 G ports are required" Second all APs request have 2.5 Port then why downlink port need to be 5/10G	Higher Multi-Gig speed are required to ensure next generation connectivity and 40G ports is asked for uplink to core switch not for access connectivity.
93	45	Aggregation Switch	Switch shall have 16 GB RAM and 16 GB Flash	Please consider to change the clause to " Switch shall have 8 GB RAM and 8 GB Flash". From RFP perspective the ask should be performance not the specific GB of RAM/Flash as this totally depends on implementation how another OEM can give you same performance without increasing the RAM and CPU.	Accepted. Revised clause to be read as " Switch shall have 8 GB DRAM and 8 GB Flash"
94	46		Switch shall support application visibility and traffic monitoring with minimum 60 K sflow/jflow/netFlow entries.	Please consider to change the point to " Switch shall support traffic monitoring through sflow/jflow/netFlow entries. Application visibility on core switch is a OEM specific feature, Please remove the clause for wider participation.	Clarified at S. No 64 above.
95	47		Packet buffer : 36 MB	Please consider to change the packet buffer to 32 MB. There is hardly any difference between 36 and 32 MB, This will help other OEM to participate.	Accepted.
96	48		Communication between switch to switch should be encrypted at Layer 2 and should encapsulate and protect the metadata fields. It should use industry standard MKA. Communication should have AES-GCM (Galois/Counter Mode) symmetric encryption, to provide line-rate encryption and decryption and provides replay attack protection of every frame. Switches should support MACSec encryption (MACSec - 256) for switch-to-switch (inter-network device) security using OEM proprietary & MKS-based key exchange protocol.	Please remove this point. Why a OEM proprietary solution is required, as this Mechanism points to a proprietary solution. Second within a LAN why encryption is needed between two switches.	Clarified at S. No 66 above.
97	49		Must support BGP, MPLS, IS-IS, VRF, VXLAN, NAT, OSPF Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day 1	Please consider to change the point to " Must support BGP, IS-IS, VRF, VXLAN, NAT, OSPF Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day". MPLS is required and will work at router why this function	Accepted
98	50		Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security.	Please consider to change the point to " Switch should support port security, DHCP snooping/equivalent, Spanning tree root guard, First Hop Security. We provide the DHCP snooping function with equivalent feature	Equivalent or better feature is accepted.
99	51		During system boots, the system's software signatures should be checked for integrity. System should be capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	Please remove this point. This point favours specific OEM all the Platforms have different way of Integrity check hence please remove this clause	Clarified at S. No 69 above.
100	52	Access Point	Access Point should be IOT ready supporting BLE, Zigbee, Thread and other 802.15.4 devices.	Please consider to change the point to " Access Point should be IOT ready supporting BLE". Today all consumer IOT devices BLE or WIFI hence please consider this for wider participation	Accepted.
101	53		Must support 4x4 MIMO for both 2.4 and 5 GHz radio.	Please consider to change this to " 2x2 on 2.4GHz and 4x4 on 5GHz". All OEM have this device.	4x4 MIMO is generic asked. Existing AP's are with 4x4 MIMO so need additional AP's with same features set.

102		54			Please change this to 2.5 Gbps .In access point specs you have asked for one 2.5 Port then how a data rate os 5Gbps will help either please reduce this number to 2.5 Gbps or allow 2 x 2.5 Port or one 5gbps port on the AP, This Point clearly heighlight that we are favouring a single OEM as all other OEM have atleast 2 uplink port on the APs	May be read as, "Must Support data rate upto 2.5 Gbps or higher."	
103		55		Access Points must support Hardware-based encrypted user data and management traffic between controller and Access point for better security.	Please remove this point .This Point favours sepcific architecture rather People are moving away controler based archietcture towards disaggregated Control and data plane to rprovide highest uptime.	Bidder can propose same or equivalent or their own solution but should ensured security of data in motion and integration with existing WLC & NMS. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.	
104		1	Page No. 7.Proposed Network Architecture	Wireless Controller is the part on Solution Under Proposed Network Architecture	Not taken Under BoQ , need clarity	Bidder open to integrate the WiFi access points to existing controller. If not integrable with existing WLC then Bidder need to propose WLC with 200 licenses and controller scalability up to 1000 AP's. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.	
105		2	Page No. 60.Point No. 8	Existing SDN shall be upgraded which is already in place in order to save further cost. However Vendor is open quote an SDN single Solution having a single policy and single management for both Wired and Wireless Solution. The Networking solution to be integrated with the existing SDN	Need clarity on existing SDN setup and its functionality	As per RFP. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.	
106	SISL	3	Page No. 5.Point No. 13	As per the circular issued by the Finance Department issued vide no. A/Misc(2018)-III-895/J dated 22-12-2020. Bidder shall submit "Bid security Declaration" for an amount of Rs. 25,00,000/-(Rupees Twenty Five Lakhs). However, successful bidder has to submit original Bid Security declaration of EMD in the office of CEO, JaKeGA Civil Secretariat Jammu/Srinagar J&K before the issue of work Order, failing which the bidder shall be liable to disqualification including blacklisting.	We request you to please share the format of Bid Security Declaration.	Generic. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.	
107		4	Page No. 19.Clasue No. XI of Annexure-III-SLA	One Onsite Support Engineer to be provided as per BOM of this tender.	Need clarity on both clauses (Point No.4 & 5)	Need three onsite Networking expert manpower resrouces who shall manage and maintain the day to day operations of the entire Network. As per Financial Bill of material i.e Three onsite Networking Support manpower resources from the date of sign off of installation and Commissioning and Go Live for 5 years	
108		5	Page No. 63.Annexure- V Bill of Quantity Point No. 38	Three onsite Networking Support manpower resources from the date of sign off of installation and Commissioning and Go Live for 5 years		Need three onsite Networking expert manpower resrouces who shall manage and maintain the day to day operations of the entire Network. As per Financial Bill of material i.e Three onsite Networking Support manpower resources from the date of sign off of installation and Commissioning and Go Live for 5 years	
109			6	Page No. 34.Point No. 31	Solution should include VM Management software. Provided Software shall also be able to manage any existing or upcoming VM inventory running on the same Hypervisor on any architecture. Separate server resource providing 16cores, 128GB RAM & 3 x1.2TB SAS HDD shall be factored along with the solution.	Kindly clarify the purpose of additional Server Resources	Additional Server is to be provider for running management software for virtualization platform.
110		IVANTI	1	Page 45, Point 7. NMS, AAA and SDN (Separate Systems/Solutions) Network Management and Policy server upgradation to Integrate	Supports a wide range of authentication protocols, including PAP, MS-CHAP, Extensible Authentication Protocol (EAP)-MD5, Protected EAP (PEAP), EAP[1]Flexible Authentication via Secure Tunneling (FAST), and EAP-Transport Layer Security (TLS).	Since EAP-FAST is an obsolete protocol and has known vulnerabilities. It is no longer recommended to be used. Hence we would request to remove EAP-FAST and modify this point as "Supports a wide range of authentication protocols, including PAP, MS-CHAP, Extensible Authentication Protocol (EAP)-MD5, Protected EAP (PEAP) and EAP-Transport Layer Security (TLS)."	Accepted

111		2	Page 46, Point 15. NMS, AAA and SDN (Separate Systems/Solutions) Network Management and Policy server upgradation to Integrate	Flow-based user experience is not related to TACACS+ authentication. Request to modify the specification as "TACACS+ device administration should support: 1. Role-based access control 2. Per Command level authorization with detailed logs for auditing"	Flow-based user experience is not related to TACACS+ authentication. Request to modify the specification as "TACACS+ device administration should support: 1. Role-based access control 2. Per Command level authorization with detailed logs for auditing"	AAA must be able to share user group information. Equivalent or better functionality will be accepted.
112		1	Router. Page no.-43,	Point no.-1	8GBPS clarification	Accepted. 8GBPS to be read as 8GB.
113		2	Router. Page no.-43,	Point no.-4	Remove	Bidder can quote internal or external solution for same features. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
114	HP (Verbal) during pre-bid meeting.	3	Router. Page no.-43,	Point no.-6	Clarification	As per RFP. Bidder can quote their CPU/Processor with multicore. It is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
115		4	Router. Page no.-43,	Point no.-24	Request to reduce 10G port	As per RFP. 10G ports are needed for future purpose to connect over 10G.
116		5	ANNEXURE – II: Bidder and OEM Compliance	Switches and Access Points should be from the same OEM to have single TAC for Active components. Passive components should be from same OEM.	Clarification	As per RFP. Switches and wireless AP should be from single OEM. Bidder can quote AP with WLC or can integrate with existing WLC.