

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

Subject: Response to Pre-bid queries w.r.t. tender published vide No.17-JaKeGA of 2021 dated 15-07-2021 regarding **“Supply, Installation and Commissioning of LAN Network Setup at Civil Secretariat, Srinagar”**

This is in reference to the tender published Vide Notification No.17-JaKeGA of 2021 dated 15-07-2021 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/-
(Amit Sharma) JKAS
Chief Executive Officer
J&K e-Governance Agency**

No. JaKeGA-Gen/22/2021

Dated: 29-07-2021

Copy to:

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 and Sh. Adil) with the direction to upload the same on jktenders and JaKeGA website.
6. Office file


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

**Annexure A: Response to pre bid queries for SELECTION OF SYSTEM INTEGRATOR FOR SUPPLY, INSTALLATION AND COMMISSIONING OF LOCAL AREA NETWORK AT CIVIL SECRETARIAT SRINAGAR -
(Notification No 17-JaKeGA of 2021 dated 15-07-2021)**

S. No	Bidder Name	RFQ cum RFP Page no	RRFQ cum RFP Volume, Section	Original Content in the RFQ cum RFP	Clarification sought	Remark/Response
1		20	Annexure IV: Technical Specifications	Existing Wireless 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 or providing a new one and also providing SDN based solution. It is intended that the vendor will provide a mechanism to achieve the above- mentioned requirement.	Non of the OEM WLC will support other OEM APs hence only the existing OEM vendor can provide licenses and APs quote this RFP. Other leading OEMs cannot quote this RFP. Kindly remove this clause	It is mentioned in tender that, "Proposed solution should be integrated with this controller by adding the additional licenses or providing a new one and also providing SDN based solution. It is intended that the vendor will provide a mechanism to achieve the above- mentioned requirement." Therefore bidder is open to either integrate with existing wireless controller or provide a new one to meet the functional requirements.
2		20	Annexure IV: Technical Specifications	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.	Since wireless controller is for managing the APs and the mentioned clause would be of existing controller, the ask functionality is of existing controller. No dependency on the proposed once in terms of automation and SDLAN fabric. Referring the serial no 1, either it is being ensured by the existing controller OEM and it shall be removed from the RFP.	As per RFP. It is mentioned in tender Annexure V, S. No 8 that "SDN based solution & NAC solution, meeting with functional Requirement for both wired and wireless network. Existing Controller must be upgraded or integrated with proposed SDN solution 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 API shall be provided for the existing solution"
3		20-22	Annexure IV: Technical Specifications	Existing controller shall provide the ability to create SD-LAN fabric with following capabilities: covers all the points till 1 to 46	Since wireless controller is for managing the APs and the mentioned clause would be of existing controller, the ask functionality is of existing controller. No dependency on the proposed once in terms of automation and SDLAN fabric. Referring the serial no 1, either it is being ensured by the existing controller OEM and all clauses till 47 shall be removed from the RFP.	As per RFP and also clarified in above points.
4		23	Core Switch	Switch should support SSD to host 3rd party container-based application. Alternatively, bidder can propose same either on switch or separate device such as the servers supplied under this project to host such applications with highavailability	Hosting of applications would not be supported by major the leading OEMs. This feature is OEM specific. Kindly make it generic to supply the separate server for application hosting so that all OEMs should have a chance on equivalent platform.	As per RFP. We may need 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 highavailability. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
5		23	Core Switch	Switching system shall have minimum 6.4 Tbps of switching fabric and minimum 2 Bpps of forwarding rate. 8	The mentioned requirement is not as per industry standards. As per the industry standard calculations, since 32 x 40G ports being asked :- (32x40)X2=2560 Gbps (2.5Tb). Similarly basis standard calculation for pps it comes to 1900 MPPS. Kindly change the clause as :- Switching system shall have minimum 2.5 Tbps of switching fabric and minimum 1.9 BPPS of forwarding rate.	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
6		23	Core Switch	Switch should support minimum 4K ACLs, 24K Multicast and 64K IPv4 & 64K IPv6 Routes or higher.	For multicast routes, there are very limited multicast applications in the network and no that much of multicast routes would be required. As per the standard practice, IPv6 routes would always be half of IPv4 routes. Hence to participates the leading OEMS in RFP kindly change the clause as :- "Switch should support minimum 4K ACL a 8K Multicast and 64K IPv4 & 32K IPv6 Routes.."	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
7		23	Core Switch	Switch shall support application visibility and traffic monitoring with minimum 60 K sflow/jflow/netFlow entries.	Different OEMs uses different flow for monitoring prupose. Proposed platform uses sflow which works on samapling of traffic hence no entries are required. Kindly change the clause as :- Switch shall support application visibility and traffic monitoring with minimum 60 K jflow/netFlow entries or support sflow	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
8		23	Core Switch	The device should be IPv6 certified from day one	Kindly change the clause as :- The device should be IPB6 ready/IPV6 certified from day one.	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
9		23	Core Switch	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae (256-bit and 128-bit AES), 802.3x, 802.1p, 802.1Q, 1588v2	802.1ae is MACSec which is used for LAN traffic encryption. Different OEMs uses different technology to secure the LAN traffic. Proposed platform form a GRE tunnel and the critical data or all data as per the requirement can be encapsulated in the tunnel. Hence request you to kindly change the clause as:- Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae (256-bit and 128-bit AES)/GRE Tunnel, 802.3x, 802.1p, 802.1Q, 1588v2	As per RFP. However bidder can propose equivalent or better soluton with proof for same functionality. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.

10	23	Core Switch	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. Bidder can propose equivalent or better solution with proof for same functionality	Every OEM do have different way to secure the LAN traffic. Aruba HPE supports GRE tunnel between access switches and aruba WLC to secure the traffic. Kindly provide your confirmation on the same.	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 propose equivalent or better solution with proof for same functionality.
11	24	Core Switch	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 1.	In no scenario, IS-IS will be used in LAN network. Only particular OEM uses IS-IS for the LAN automation. Aruba HPE does not need any specific protocol to get the LAN automation. The same can be achieved using other standard protocols like OSPF. NAT is the functionality required at the router level, where NAT is required to communicate from private to public IP. At switch level, no such functionality would be required. Kindly change the clause as:- Must support BGP, IS-IS/OSPF, VRF, VXLAN, Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day 1.	Must be read as "Must support BGP, IS-IS/OSPF, VRF, VXLAN, Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP) from Day 1."
12	24	Core Switch	Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security. Equivalent or better feature of this shall be accepted. However, in that case, bidder has to provide relevant industry standard document for same	Such features are required at the access layer where such servers/applications are connected. In no scenario such applications/servers will be connected to the core switch hence such features are not required and kindly remove the clause.	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
13	24	Core Switch	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment. Bidder can propose equivalent or better solution with proof for same functionality.	At core layer, no end user will be connected directly. This is security concern as well. Hence at core 802.1x auth is not required. At core layer we may require RADIUS/TACACS+ for device authentication. Hence kindly change it to RADIUS/TACACS+ and IPv6 ACLs and Dynamic VLAN assignment.	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
14	24	Access Switch Lan Type 1:	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.	Different OEMs use different ways to get the stacking done. Few OEMs use dedicated stacking ports or few use additional uplink ports for stacking. Also the asked stacking throughput is very high. Kindly change the clause to let other leading OEMs participate. Switch should have dedicated slot/ports for modular stacking/Virtual switching extension, in addition to asked uplink ports. Should support for minimum 100 Gbps of stacking throughput with 8 switch in single stack	Bidder can provide stacking or equivalent technology with asked stacking throughput without consuming the downlink/uplink port of the switch.
15	24	Access Switch Lan Type 1:	Switch should have power redundancy feature in stack which shall aggregate all the available power of switches in a stack and present it as one common power pool for the entire stack	This is OEM specific. Kindly remove the same.	Bidder can quote equivalent or any other solution to create the pool of power as a common resource in a stack.
16			Switch should support 128 or more STP Instances.	In practical scenario, 128 instances will never get in use and as per the LAN requirement, such numbers are never get configured. Kindly change it to 64 instances	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
17		Access Switch Lan Type 1:	Switch should have 16MB or more packet buffer.	The asked packet buffer is very high. Kindly reduce it to 8 MB or more packet buffer	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
18	25	Access Switch Lan Type 1:	Should have advanced Layer 3 protocol like should have advanced Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP	In no scenario, IS-IS will be used in LAN network. Only particular OEM uses IS-IS for the LAN automation. Aruba HPE does not need any specific protocol to get the LAN automation. The same can be achieved using other standard protocols like OSPF. Kindly change the clause as:- Should have advanced Layer 3 protocol like should have advanced Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, OSPFv3, MP-BGP	May be read as, "Should have advanced Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, IS-ISv4/OSPFv3, MPBGP".
19	25	Access Switch Lan Type 1:	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware	MACSec which is used for LAN traffic encryption. Different OEMs use different technology to secure the LAN traffic. Proposed platform form a GRE tunnel and the critical data or all data as per the requirement can be encapsulated in the tunnel. Hence request you to kindly change the clause as:-Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment	Bidder can propose equivalent or better solution with proof for same functionality. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.
20	25	Access Switch Lan Type 1:	Switch shall have modular OS to support application 3rd party application hosting	3rd party application hosting is OEM specific feature. Kindly remove this clause	As per RFP. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.

21	ARUBA	26	Access Switch Lan Type 1:	Switch shall have 48 nos. 10/100/1000 Base-T Access ports and with 2* 40G SFP transceiver for uplink connectivity	At the access layer, switche with 48 port will pass through 2 x 40G uplink ports are OEM specific and specs are not as per industry standards. The other leading OEMs provide max 25Gb uplink ports. Request you to kindly change the clause as:- Switch shall have 48 nos. 10/100/1000 Base-T Access ports and with 2* 25G SFP transceiver for uplink connectivity	Bidder can provide 40G or 25G Ports with asked uplink bandwidth meeting the functional requirement.
22		26	Access Switch LAN Type 2	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.	Different OEMs uses different ways to get the stacking done. Few OEMs uses dedicated stacking ports or few uses additional uplink ports for stacking. Also the asked stacking throughput is very high. Kindly change the clause to let other leading OEMs to participate:- Switch should have dedicated slot/ports for modular stacking/Virtual switching extension, in addition to asked uplink ports. Should support for minimum 100 Gbps of stacking throughput with 8 switch in single stack	Bidder can provide stacking or equivalent technology with asked stacking throughput without consuming the downlink/uplink port of the switch. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.
23		26	Access Switch LAN Type 2	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	This is OEM specific. Kindly remove the same.	Bidder can quote equivalent or any other solution to create the pool of power as a common resource in a stack. Any third party solution shall also be acceptable. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.
24		26	Access Switch LAN Type 2	Should have advance Layer 3 protocol like should have advance Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP	In no scenario, IS-IS will be used in LAN network. Only particular OEM uses IS-IS for the LAN automation. Aruba HPE done need any specific protocol to get the LAN automation. The same can be achieved using other standard protocols like OSPF. Kindly change the clause as:- Should have advance Layer 3 protocol like should have advance Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, OSPFv3, MP-BGP	May be read as, "Should have advance Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, IS-ISv4/OSPFv3, MPBGP".
25		26	Access Switch LAN Type 2	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware	MACSec which is used for LAN traffic encryption. Different OEMs uses different technology to secure the LAN traffic. Proposed platform form a GRE tunnel and the critical data or all data as per the requirement can be encapsulated in the tunnel. Hence request you to kindly change the clause as:-Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment	Bidder can proposed equivalent or better soluton with proof for same functionality. MACSec is open standard as per IEEE 802.1AE standard.
26		26	Access Switch LAN Type 2	Switch shall have modular OS to support application 3rd party application hosting	3rd part application hosting is OEM specific feature. Kindly remove this clause	As per RFP. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement of RFP.
27		26	Access Switch LAN Type 2	Switch shall have 24 Multigigabit POE/PoE+ with all 2.5/5/10 Gigabit (Gbps) ports and with 2*40 G (GBPS) SFP Modules	No end device in the network is available which needs PoE power with 10G mGig port. Further 10G mGig is OEM specific and not all leadign OEMs provide mGig upto 10G. Further at access layer switches, all leading OEMs provides max 25G uplink. Kindly change the clause as:- Switch shall have 24 Multigigabit POE/PoE+ with all 2.5/5 Gigabit (Gbps) ports and with 2*25 G (GBPS) SFP Modules	As per RFP. Vendor open to provide port density as asked in RFP or higher.
28		27	Aggregation Switch	Switch should support SSD to host 3rd party container based application. 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	Hosting of applications would not be supported by major the leading OEMs. This feature is OEM specific. Kindly make it generic to supply the separate server for application hosting so that all OEMs should have a chance on equivalent platform.	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 highavailability
29		28	Aggregation Switch	Switch should support minimum 16K ACLs, 24K Multicast and 32K IPv4 & 32K IPv6 Routes..	In the deployment scenario, 16K ACLs may never get in used but the no of ACL entries may matters a lot. Request you to change it to ACL 4K and ACL entries 32K. Further for multicast routes, there are very limited multicast applications in the network and no that much of multicast routes would be required. As per the standard practice, IPv6 routes would always be half of IPv4 routes. Hence to participates the leading OEMs in RFP kindly change the clause as :- "Switch should support minimum 4K ACL and 32K ACL entries, 8K Multicast and 64K IPv4 & 32K IPv6 Routes.."	As per RFP or higher.
30		28	Aggregation Switch	The device should be IPv6 certified from day one	Kindly change the clause as :- The device should be IPB6 ready/IPV6 certified from day one.	As per RFP. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.
31		27	Aggregation Switch	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae (256-bit and 128-bit AES), 802.3x, 802.1p, 802.1Q, 1588v2	802.1ae is MACSec which is used for LAN traffic encryption. Different OEMs uses different technology to secure the LAN traffic. Proposed platform form a GRE tunnel and the critical data or all data as per the requirement can be encapsulated in the tunnel. Hence request you to kindly change the clause as:- Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae (256-bit and 128-bit AES)/GRE Tunnel, 802.3x, 802.1p, 802.1Q, 1588v2	As per RFP. What is intended is that Bidder to provide a mechanism to achieve the mentioned requirement of RFP.

32	28	Aggregation Switch	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.	Every OEM do have different way to secure the LAN traffic. Aruba HPE supports GRE tunnel between access switches and aruba WLC to secure the traffic. Kindly provide your confirmation on the same.	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 propose equivalent or better solution with proof for same functionality.
33	28	Aggregation Switch	Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security. Equivalent or better feature is accepted. Bidder has to provide relevant industry standard document for same incase equivalent is proposed.	Such features are required at the access layer where such servers/applications are connected. In no scenario such applications/servers will be connected to the core switch hence such features are not required and kindly remove the clause.	Equivalent or better feature is accepted
34	28	Aggregation Switch	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	"Different OEMs uses different ways to authenticate the devices hence kindly change it to 802.1x/RADIUS/TACACS+ and IPv6 ACLs and Dynamic VLAN assignment."	Equivalent or better feature is accepted
35	29	Access Point	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	RJ45 console port is OEM specific. Aruba provides min USB to meet the purpose. Kindly change the clause as:- Access Point shall support Console port that uses Standard Port (RJ-45)/Min USB type connection	Accepted. Bidder can propose RJ-45 or USB based Console port.
36	28	Access Point	Should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	As per the AP throughput asked, the mentioned upto 2.5 G port will not suffice the requirement. Due to limitation of port, access point will not be used with 5G of throughput. Kindly change the clause as : Should have 1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	Bidder open to quote equivalent or better solution.
37	28	Access Point	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Aruba APs are WPC certified and kept the power in range as per the norms. Request you to kindly change the clause as:- Must support minimum of 21dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Accepted. May be read as, "Must support minimum of 21dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms."
38	28	Access Point	Must have -97 dB or better Receiver Sensitivity.	As per the industry standards, the receiving sensitivity would be in range of -92 to 95 dB. The ask one is very high. Kindly change the specs as:- Must have -95 dB or better Receiving Sensitivity	Bidder to provide equivalent or better as per industry standard
39	43	Router	Router should be modular / chassis-based device with minimum 5 Gbps of throughput scalable up to 20 Gbps. It should have minimum 4 GB of RAM/ DRAM and 4 GB of Flash, scalable up to 8 GBPS.	As per the port requirement, and considering the future scalability from min 2 Gbps x as per industry standard 3 time or 5 time for next 5 years. Still the router scalability would be 10 Gbps. In no scenario, the scalability would be required at 20Gbps. Also routers capacity generally calculate in Mpps hence Request you to change the clause as :- Router should be modular / chassis-based device with minimum 2 Gbps of throughput scalable up to 10 Gbps/8 Mpps.	May be read as, "Router should be modular / chassis based device with minimum 5 Gbps of throughput scalable up to 20 Gbps. It should have minimum 4 GB of RAM/ DRAM and 4 GB of Flash, scalable up to 8 GB"
40	43	Router	Router should support state full firewall, zone based firewall and deep inspection mechanism capability to provide the access controller strategy-based on source and destination IP protocol, port and time parameters and control over a wide variety of applications using deep inspection.	Since ask if for the router which ingeneral support state full firewall, zone based firewall but fullfledge fireall functionally should not be expected from router. Rather separate firewall should be deployed which is already asked in the RFP. Hence kindly change the clause as: _ Router should support state full firewall, zone based firewall	As per RFP . however, Bidder can quote same or equivalent technology meet the RFP requirement.
41	44	Router	Router should be modular/chassis with multi-core processor architecture based device and should accommodate a combination of high density, 10G, Gigabit Ethernet, 40G, Serial Port, Channelized T1/E1, STM-1/4/16 and must have capabilities to seamless upgrade/replacement (without interrupting running processes and services) all modular interfaces supported and Gigabit Ethernet modules to accommodate field upgrades.	40G port in general asked in ISP environment which is not the case here. Also T1/E1 and STM 1/4/16 are older technology and ISPs provides ethernet handoff for WAN connectivity. T1/E1 is limited to 2 Mbps and the kind of through put asked such interface would not be in used. Request you to kindly change the clause as:- Router should be modular/chassis with multi-core processor architecture based device and should accommodate a combination of high density, 10G, Gigabit Ethernet and must have capabilities to seamless upgrade/replacement (without interrupting running processes and services) all modular interfaces supported and Gigabit Ethernet modules to accommodate field upgrades.	It is a should accommodate combination. Not mandatory to have T1/E1 port.
42	44	Router	System shall support to provide the ability to filter and gather application information in a flexible manner from day one netflow/xflow/jflow and should support atleast 128K flow entries	Netflow is for Cisco, Jflow for juniper but Sflow is open standard which is widely accepted and we support sflow and as mentioned earlier for sflow no flow entries are required. Kindly change the clause as: _ System shall support to provide the ability to filter and gather application information in a flexible manner from day one netflow/xflow/jflow and should support atleast 128K flow entries or support sflow	May be read as , "System shall support to provide the ability to filter and gather application information in a flexible manner from day one netflow/xflow/jflow/sflow and should support at least 128K flow entries".
43	47	AAA	Centralized NMS or SDN Controller is already running and Bidder has to integrate these network devices with Controller. 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 solution. The API shall be provided for the existing solution by exiting solution if required It is intended is that vendor to provide a mechanism to achieve the above- mentioned requirement.	Referring clause no 1, The existing controller should support REST Full APIs. If the existing controller supports the same and is capable enough to support other OEM Wired and wireless solution, hence existing OEM has to provide confirmation. The OEM of existing controller has to ensure and take care of it else if not, this should be OEM specific and this clause should be removed.	Bidder open to quote equivalent or better solution. Bidder open to quote its own separate NMS / SDN Controller. It is intended hat Bidder to provide a mechanism to achieve the mentioned requirement of RFP.

44		47		Centralized SDN Controller and Firewall should be Integrated tightly to 24 provide segmentation through Virtual Routing and Forwarding between VN's	Referring clause no 1, The existing controller should support REST Full APIs. If the existing controller supports the same and is capable enough to support other OEM Wired and wireless solution, hence existing OEM has to provide confirmation. The OEM of existing controller has to ensure and take care of it else if not, this should be OEM specific and this clause should be removed.	Bidder open to quote equivalent or better solution. The existing SI shall provide all necessary support for integration. Further Bidder open to quote separate NMS / SDN Controller. It is intended that vendor to provide a mechanism to achieve the mentioned requirement.
45	MOLEX	57	Annexure IV: Technical Specifications	Passive Item Specifications - CAT 7, Fibre Cabling, Patch Cords, Jacks	Request kindly consider CAT 6A U/FTP Cable and Component in this tender as Category 7 is not recognized by the TIA/EIA and TIA decided to not recognize Category 7, link for the same is as below: https://en.wikipedia.org/wiki/ISO/IEC_11801 https://www.flukenetworks.com/blog/cabling-chronicles/what-ever-happened-category-7 . Also please note that There is no equipment that has connectors supporting the CAT 7A channel.	As per RFP. Bidder open to Quote CAT 7 or higher to meet TR11801-9905 standard or higher.
46		33	Servers	1. HCI appliance, deliver with factory Installed with Software Defined Storage. The entire HCI Solution comprising of hardware and software must be managed, support and maintained as single system.	SDS provides scalability and flexibility to deploy/ create HCI/ SDS on any make and model of servers, ToR switches etc. providing No Vendor lock-in solution. Even Gartner recognized that SDS can also provide better HCI solution. So request you to allow the SDS/ HCI node/ HCI Server in the clause even for wider participation. Kindly rephrase the statement as: 1. HCI appliance/ node/ server, deliver with factory Installed with Software Defined Storage. The entire HCI Solution comprising of hardware and software must be managed, support and maintained as single system.	May be read as, "HCI appliance/ node/ server, deliver with factory Installed with Software Defined Storage. The entire HCI Solution comprising of hardware and software must be managed, support and maintained as single system."
47		33	Servers	2. The HCI solution should provide flexibility to run multiple hypervisors (Vmware, Hyper-v etc.)	Only one hypervisor can be quoted and deployed on the elected HCI solution, so request you to allow quoted hypervisor clause for wider participation. Kindly rephrase the statement as: 2. The HCI solution should provide flexibility to run multiple/ quoted hypervisors (Vmware, Hyper-v etc.)	May be read as, "The HCI solution should provide flexibility to run multiple/ quoted hypervisors (Vmware, Hyper-v etc.)"
48		34	Servers	7. The proposed HCI appliance solution should be Software defined with required Software or Hardware engine to enable Software Defined Storage. The HCI solution will have distributed caching and should have no dependence on data locality. The HCI solution will provide Inline Deduplication across all storage tiers	SDS provides scalability and flexibility to deploy/ create HCI/ SDS on any make and model of servers, ToR switches etc. providing No Vendor lock-in solution. Even Gartner recognized that SDS can also provide better HCI solution. So request you to allow the SDS/ HCI node/ HCI Server in the clause even for wider participation. Kindly rephrase the statement as: 7. The proposed HCI appliance/ node/ server solution should be Software defined with required Software or Hardware engine to enable Software Defined Storage. The HCI solution will have distributed caching and should have no dependence on data locality. The HCI solution will provide Inline Deduplication across all storage tiers	This is also allowed.
49		34	Servers	7. The solution should provide automated workload placement to ensure highly available resources to workloads by auto balancing workloads for optimal performance	We understand workload placement is required not only on VM level but even storage level to ensure the optimal performance and availability. So kindly also define the storage level placement so that its clear to all the bidder and its considered in the solution. Kindly rephrase the statement as: 7. The solution should provide automated workload placement of VMs and Storage to ensure highly available resources to workloads by auto balancing workloads for optimal performance	Bidder is free to quote higher or better solution
50		34	Servers	12. The proposed solution scale storage and compute as and when needed without any downtime. HCI should support storage expansion or compute expansion to extend storage/ compute capacity as and when needed.	Scalability should be available at each level such as adding disk in the servers, RAM, Devices without additional license cost and as per requirement. Kindly rephrase the statement as: 12. The proposed solution scale storage and compute as and when needed without any downtime. HCI should support storage expansion without any additional license cost or and compute expansion to extend storage/ compute capacity as and when needed.	May be read as, "The proposed solution scale storage and compute as and when needed without any downtime. HCI should support storage expansion without any additional license cost or and compute expansion to extend storage/ compute capacity as and when needed."
51		34	Servers	16. The solution shall provide zero downtime host patching with maintenance mode to move running workloads to other hosts on the platform without impacting the running VM's.	Patching and Upgrading should not require the restart of complete hardware solution. Only the hypervisor layer to be restarted saving the time and providing better SLA and uptime of the solution. Kindly rephrase the statement as: 16. The solution shall provide zero downtime host patching with maintenance mode to move running workloads to other hosts on the platform without impacting the running VM's and also provide single reboot to reduce patching and upgrade times by only rebooting the hypervisor.	Bidder is free to quote better solution

52	VMware	35	Servers	24. 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.	Kindly rephrase the statement as: 24. 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, reclaim resources, multiple what-if stacked scenarios, troubleshooting and compliance, root cause analysis, upcoming problems with guided and automated remediation across three datacentres from a central customizable dashboard.	Bidder is free to quote better solution
53		36	Servers	33. The solution should support Single click non-disruptive rolling upgrades of HCI software and system firmware's. The solution should Track, report, and view trends for metrics like CPU, memory, IOPs, Database transactions, latency etc.	Kindly rephrase the statement as: 33. The solution should support Single click non-disruptive rolling upgrades of HCI software and system firmware's. The solution should Track, report, and view trends for metrics like CPU, memory, IOPs, network, performance, troubleshooting and compliance, real-time predictive capacity management and latency etc.	Bidder to meet the functional requirement.
54		36	Servers	34. Solution should provide all benefits like High Availability, Dynamic allocation of resources and migration of Virtual Machines from one physical server to another	Proactive HA prevents VMs getting down and automatically moves the VMs to another nodes in the cluster without any downtime unlike HA where VMs goes down and restarted on other nodes resulting in downtime of applications and non-adherence of SLA. So kindly add Proactive HA, Predictive Workload balancing functionalities to ensure the maximum availability, performance of the applications without any additional requirement of license and solution . Kindly rephrase the statement as: 34. Solution should provide all benefits like Proactive HA and High Availability, Predictive workload balance for VMs and workload balancing for VMs and Storage , Dynamic allocation of resources, and Encrypted migration of Virtual Machines from one physical server to another	Bidder is free to quote additional or better features
55		36	Servers	36. Migration of VMs in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software.	Proactive HA prevents VMs getting down and automatically moves the VMs to another nodes in the cluster without any downtime unlike HA where VMs goes down and restarted on other nodes resulting in downtime of applications and non-adherence of SLA. So kindly add Proactive HA, Predictive Workload balancing functionalities to ensure the maximum availability, performance of the applications without any additional requirement of license and solution . Kindly rephrase the statement as: 36. Encrypted Migration of VMs in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software.	Bidder is free to quote additional or better features
56		36	Servers	40. 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. Bidder to provide a mechanism to manage the same in centralized manner.	Only ONE OEM is benefitted with this specifications. For other OEMs, it would be very challenging and difficult to quote in this bid. If you are open to consider wider participations and equal opportunity to other OEMs/ Bidders then please remove this clause. This point is not related to HCI solution as section talks about. Suggest to remove the cloud point from this section and define it in separate section if you are looking for cloud solution. As you know, adding cloud solution will rise the cost of the project and also resource requirement will increase. If no then request you to rephrase the statement. Kindly confirm if you are looking for cloud solution in this rfp? Kindly rephrase the statement as: 40. 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 and users.	Bidder to meet the functional requirement.

57	37	Servers	43. 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, vendor to provide a mechanism to achieve the mentioned requirement of RFP.	<p>Only ONE OEM is benefitted with this specifications. For other OEMs, it would be very challenging and difficult to quote in this bid. If you are open to consider wider participations and equal opportunity to other OEMs/ Bidders then please remove this clause.</p> <p>This point is not related to HCI solution as section talks about. Suggest to remove the cloud point from this section and define it in separate section if you are looking for cloud solution.</p> <p>As you know, adding cloud solution will rise the cost of the project and also resource requirement will increase. If no then request you to rephrase the statement.</p> <p>Kindly confirm if you are looking for cloud solution in this rfp?</p>	Bidder to meet the functional requirement.
58	37	Servers	44. 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. It is intended that bidder to provide a mechanism to achieve the mentioned requirement.	<p>Only ONE OEM is benefitted with this specifications. For other OEMs, it would be very challenging and difficult to quote in this bid. If you are open to consider wider participations and equal opportunity to other OEMs/ Bidders then please remove this clause.</p> <p>This point is not related to HCI solution as section talks about. Suggest to remove the cloud point from this section and define it in separate section if you are looking for cloud solution.</p> <p>As you know, adding cloud solution will rise the cost of the project and also resource requirement will increase. If no then request you to rephrase the statement.</p> <p>Kindly confirm if you are looking for cloud solution in this rfp?</p>	Bidder to meet the functional requirement.
59	37	Servers	45. The solution shall support provisioning across multi-vendor, multi-hypervisor (eg: VMware ESX, ESXi 6.5 or higher, Microsoft Hyper-V 2016, System Center 2016 or higher and Red Hat hypervisors) physical x86, virtual environments. Currently supported target environments with version details should be submitted as part of compliance	<p>Only ONE OEM is benefitted with this specifications. For other OEMs, it would be very challenging and difficult to quote in this bid. If you are open to consider wider participations and equal opportunity to other OEMs/ Bidders then please remove this clause.</p> <p>This point is not related to HCI solution as section talks about. Suggest to remove the cloud point from this section and define it in separate section if you are looking for cloud solution.</p> <p>As you know, adding cloud solution will rise the cost of the project and also resource requirement will increase. If no then request you to rephrase the statement.</p> <p>Kindly confirm if you are looking for cloud solution in this rfp?</p>	Bidder to meet the functional requirement.
60	37	Servers	46. The solution should have pre-built task libraries for Day 0 automation of infrastructure (Network, Storage, Server, Load balancer, firewall etc.). It is intended that bidder to provide a mechanism to achieve the mentioned requirement.	<p>Only ONE OEM is benefitted with this specifications. For other OEMs, it would be very challenging and difficult to quote in this bid. If you are open to consider wider participations and equal opportunity to other OEMs/ Bidders then please remove this clause.</p> <p>This point is not related to HCI solution as section talks about. Suggest to remove the cloud point from this section and define it in separate section if you are looking for cloud solution.</p> <p>As you know, adding cloud solution will rise the cost of the project and also resource requirement will increase. If no then request you to rephrase the statement.</p> <p>Kindly confirm if you are looking for cloud solution in this rfp?</p>	Bidder to meet the functional requirement.
61	37	Servers	48 5 years OEM Support for proposed Hardware & Software.	<p>From the 5years project, kindly elaborate the support requirement to ensure right and timely support and also from the adherence of the SLA perspective such as direct OEM support 24x7x365 with unlimited update, upgrades and incident during the complete tenure of the project without any additional cost.</p> <p>Kindly rephrase the statement as: 48. 5 years OEM 24x7x365 Support for proposed Hardware & Software with unlimited update, upgrades and incident during the complete tenure of the project without any additional cost.</p>	May be read as, "5 years OEM 24x7x365 Support for proposed Hardware & Software with unlimited update, upgrades and incident during the complete tenure of the project without any additional cost."
62	34	Servers	Minimum monitoring points to be considered for better analytics and reporting of the solution	The solution should provide machine learning-based Intelligent Grouping, which groups related data together to enable high-performance searching for faster troubleshooting across physical, virtual and cloud environments	As per RFP. Bidder is free to quote additional features
63	34	Servers		The solution should deliver real-time monitoring, search and log analytics, coupled with a dashboard for stored queries, reports and alerts, enabling correlation of events across the IT environment	As per RFP. Bidder is free to quote additional features

64		36 - 37	Servers	Minimum security points to be considered for better analytics and reporting of the solution	The solution should provide secure boot for VMs and Hypervisor with inbuilt / integration of 3rd party endpoint security to secure the virtual machines with offloaded antivirus, antimalware, HIPS and HIDS, Stateful firewall solutions without the need for agents inside the virtual machines.	As per RFP. Bidder is free to quote additional features
65		33	Servers	The HCI solution should provide flexibility to run multiple hypervisors (Vmware,Hyper-v etc.)	Change to: The HCI solution should provide flexibility to run one of the hypervisors (Vmware,Hyper-v) Reason: Ability to run multiple hypervisors is an OEM specific clause. Request to make it more generic for wider participation.	May be read as, "The HCI solution should provide flexibility to run one of the hypervisors (Vmware,Hyper-v) however one at a time."
66		34	Servers	The proposed HCI appliance solution should be Software defined with required Software or Hardware engine to enable Software Defined Storage. The HCI solution will have distributed caching and should have no dependence on data locality. The HCI solution will provide Inline Deduplication across all storage tiers	Change To: The proposed HCI appliance solution should be Software defined with required Software or Hardware engine to enable Software Defined Storage. The HCI solution will have distributed caching and should have no dependence on data locality. The HCI solution will provide Inline Deduplication in case of all-flash storage. Reason: Data reduction on Hybrid (tiered) storage is OEM specific. Moreover data reduction on hybrid / tiered storage would reduce the HCI performance to level that it won't be able to provide required performance. Hence request to change the same.	Bidder to provide equivalent or better solution with proof for same
67		34	Servers	The proposed solution scale storage and compute as and when needed without any downtime. HCI should support storage expansion or compute expansion to extend storage/ compute capacity as and when needed.	Change Requested: Please remove the below line as it is OEM specific. HCI should support storage expansion or compute expansion to extend storage/ compute capacity as and when needed.	As per RFP. Bidder to quote all licenses from day one.
68		34	Servers	The proposed HCI solution must have mechanism for Metadata protection within the cluster so as to provide high availability and no single point of failure.	Change Requested: Request to remove this point as it is proprietary to OEM.	As per RFP. Bidder can quote equivalent or better with proof
69	FACHI VANTA	35	Servers	The HCI solution should provide Inline Deduplication & compression etc across capacity tier. Any license & hardware resource required to achieve this functionality should be included and mentioned with the proposed solution.	Change To: The HCI solution should provide Inline Deduplication & compression on the all-flash storage. Any license & hardware resource required to achieve this functionality should be included and mentioned with the proposed solution. Reason: Data reduction on Hybrid (tiered) storage is OEM specific. Moreover data reduction on hybrid / tiered storage would reduce the HCI performance to level that it won't be able to provide required performance. Hence request to change the same.	As per RFP. Bidder to quote all licenses from day one.
70		36	Servers	Proposed cluster should have minimum 4 Nodes, providing minimum of 2.2GHz with 2X24 Cores processor, minimum of 2048 GB RAM memory using DDR4 DIMM's across nodes or higher.	Change to: Proposed cluster should have minimum 4 Nodes, providing minimum of 2.2GHz with 2X24 Cores processor, minimum of 1536 GB RAM memory using DDR4 DIMM's across nodes or higher. Reason: 24C Processor with 2TB RAM is OEM specific. Please change the same to 1536 GB RAM for wider participation from all the OEMs.	Not OEM Specific. Bidder open to quote with higher RAM and CPU.
71		36	Servers	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 24 cores, 128 GB RAM & 3 x 1.2 TB SAS HDD or higher shall be factored along with the solution.	Change Requested: Management node can be provided on the VM within the HCI infrastructure. Hence request to remove this OEM specific clause in order to optimize the BOQ.	BOQ is factored considering the envisaged setup. It is not not OEM Specific to ask for separate Server for management software setup. Therefore as per RFP.
72		37	Servers	The solution shall support provisioning across multi-vendor, multi-hypervisor (eg: VMware ESX, ESXi 6.5 or higher, Microsoft Hyper-V 2016, System Center 2016 or higher and Red Hat hypervisors) physical x86, virtual environments. Currently supported target environments with version details should be submitted as part of compliance	Change Request: Request to remove the point since it favours a particular OEM, for wider participation.	May be read as" The solution shall support provisioning across multi-vendor, multi-hypervisor (eg: VMware ESX, ESXi 6.5 or higher, Microsoft Hyper-V or higher) physical x86, virtual environments. Currently supported target environments with version details should be submitted as part of compliance
73		54	Servo	No of Phase: Three, Rated KVA: 2 x 150. Three (3 single phase connected in star)	In BOQ quantity of servo is 1. Kindly confirm quantity of Servo as 1 or 2.	2 X 150 KVA
74	AMAN TECHNOLOGIES	52	UPS	Online UPS Modular type should support for Data Centers, Network operating centers, Security operation centres, State and District centers, Command and Control center etc., In BOQ 20 KVa Online UPS with 3 hours Backup (N+1)	Kindly confirm if the UPS is required as N+1 so that the same can be incorporated in technical specifications of UPS	N+1
75		55	42 U Rack	Supply and installation of high density 42 U height, Rack with Integrated cold aisle & hot aisle containment frame, with basic rack accessories. It should be a Smart Integrated Rack Solution.	No. of Racks to be defined for the Solution Design	As per BOQ

76	55	42 U Rack	Rack Containment Frame is 42 U, 19" mounting type with 2200 (Height) x 600 (Width) x 1800 (Depth, including Rack + Cold & Hot Aisle Containment).	42U Rack with Cooling Unit. Please define the Cooling Capacity per Rack and also Intelligent Element is recommended for Smart Rack or Smart Solution such as Remote Monitoring Unit (RMU), Fire Suppression Detection System, Rodent Repellent System, Biometric Access Control Lock, CCTV Dome Camera all this at Rack Level. Also it is recommended to have 42U Height x 800mm Width x 1800mm Depth Rack for better Cabling Space	42U Rack with Cooling Unit as per the BOQ on Core Side to be ensured by bidder. Intelligent Element is must for Smart Rack or Smart Solution such as Remote Monitoring Unit (RMU), Fire Suppression Detection System, Rodent Repellent System, Biometric Access Control Lock, CCTV Dome Camera all this at Rack Level. 42U Height x 800mm Width x 1800mm Depth Rack or better than this.
77	56	42 U Rack	Rack frame is, scalable and modular with safe load carrying capacity of 1000 Kg.	UL certificate for racks is recommended as load carrying capacity is tested for 1350kgs.	Accepted
78	56	42 U Rack	Each Rack should have atleast 4 PDU's with minimum 8# of 5/15 Amps socket. Should have surge protection and MCB. Should have Built-in Surge protection	Single phase PDU with 32amps load (7.3 KVA) total capacity . It is recommended to have 2 branches x 2 circuit of 16amps, Combination of IEC C13 & C19 Sockets this helps when one branch /socket fails the other branches are not affected.	Accepted.
79	56	42 U Rack	Blanking panels to prevent air mixing.	1U Blanking Panel with ABS Plastic	Accepted.
80	56	42 U Rack	Gas spring to be provided on front doors of racks.	IP54 Rated Cabinet with Insulated & Gasketed to avoid Cold Air Loss	Accepted.
81	56	42 U Rack	RACK OEM must be ISO9001 or ISO 14001 certified or equivalent	ISO 9001, 14001, 27001, 45001, RoHS, DIN 41494, EIA 310-D, UL, CE Certificate is recommended to be added for better quality product	Accepted.
82	56	42 U Rack	Rack must be supplied with one IP based KVM Switch	As per Industrial standard IP KVM Switch with 17" KVM Console comes with 8-Port or 16-Port IP KVM Switch	Accepted.
83	54	Servo Stabilizer	No of Phase: Three, Rated KVA: 2 x 150. Three (3 single phase connected in star)	Please specify: 2 X 150 means 2 No's of Servo Stabilizer. 3 Single Phase Connected in Star: Please specify whether Servo will be connected at Input of UPS.	Yes, 2 nos of Servo Stabilizers.
84	54	JPS System	Point-2: Modular type UPS equipped with microprocessor/Digital signal processor and power modules, Power expansion facility, LCD/Digital display upto maximum expandable capacity, Cable entry, RS 232 port and SNMP port and with suitable rack (compatible maximum expandable) with complete lockable door having visibility for maximum expandable capacity.	Please specify: 20 KVA(N+1) Configuration means 2 *20 KVA Power Module in Parallel Configuration. Kindly Specify the expandable capacity required.	Yes, N+1.
85	54	Online UPS System	point-3; Output power capacity including redundancy/Expandable (Rack facility). 20 KVA with 3 hours backup. Adequate VAH of batteries to be provisioned. All Batteries must be replaced after 3 years as a part of warranty since battery life is maximum of 3 years.	OEM Battery Calculation is enclosed hereby. VAH to be mentioned: 115200.	Functional requirements to be adhered to i.e to have 3 hours of backup.
86	55	Online UPS System	Point-9: Input: AC Three Phase: (400 V AC +/-15%) which is 340 V to 460 V AC, The configuration/specification must be in compatibility with the existing environment and availability of power setup. Bidder to ensure its working.	228-304 VAC at 40% Load.	Compatibility to be ensure and functional requirement to be met.
87	55	Online UPS System	Point 10: Distortion (current) < / = 3%	Distortion (current) < / = 5%	Compatibility to be ensure and functional requirement to be met.
88	55	Online UPS System	Point-14; Minimum thickness of 2.0 in mm of Rack Enclosure for Modular UPS duly powder coated	Minimum Dimension 2.0 U for Module	Accepted
89	55	Online UPS System	Point-16; UPS enclosure's degree of protection as per IS:13947 (Part 1)/1993 latest	Degree of Protection: IP 20	Accepted
90	4	2. Notice Inviting Bid	Bid Evaluation Criteria (Selection Method)	Please provide the budget of this tender (inclusive of duties & taxes).	Bidder to quote their best rates.
91	6	3. Scope of Work:	Out of 2945 Ports envisaged to be needed in Civil Secretariat Srinagar, the existing switching ports available in Wi-Fi networking at respective locations shall also be used.	Requesting you to provide Make & Model of the Existing Switches along with the exact count of the vacant ports and existing PoE ports usage so that Bidder can easily plan for the Power Budget and feasibility for the usage of existing ports.	Bidder may conduct a survey in order to take accurate details.
92	7	3. Scope of Work:	Technical comp of Access and Aggregation SW, Uplink and downlink must match with eachother for connectivity (Access SW Uplink Port = 40Gbps, Aggregation downlink port = 25Gbps)	Referring diagram of Page - 7 & technical compliance of Access and Aggregation SW, Uplink and downlink must match with each other for connectivity (Access SW Uplink Port = 40Gbps, Aggregation downlink port = 25Gbps) we request you to change the compliance of Switch to make them compatible with each other.	Edge shall be connected to Core directly. Hence as per RFP.
93	8	3. Scope of Work:	To supply, install and commission all the components mentioned in the Bill of Quantity of this RFP and to carry out the work besides integration with existing IT Infrastructure.	Please provide details of existing IT infrastructure	Bidder may conduct a survey in order to take accurate details.
94	8	3. Scope of Work:	To provide detailed Project document report with connectivity diagrams (Physical and Logical) including: Raceway/pathway diagram, heat maps, Cable and Fibre patching details, Naming and labelling details, Cable scanning and test results.	In order to make more accurate Heat-Map for Wi-Fi, it is very critical to have building infrastructure drawings / Floor Plan. We assume that the building infrastructure drawings / Floor Plan is available and provided to the successful Bidder who is awarded the contract. Please clarify.	Drawing shall be provided to successful bidder as per the availability and further the successful bidder will conduct a complete survey.

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95	8	4. General Terms and Conditions	The bids under Two-Bid System will consist of two parts as per following details	We understand that bid shall be submitted ONLINE ONLY and there is no requirement for submission of any hard copy of any documents. Kindly confirm our understanding.	Online Mode only.
96	9	4. General Terms and Conditions ANNEXURE – II: Bidder and OEM Compliance	All active components of one make for Switches in Local Area network and one make for Wireless Access Points.	We found contradiction in two clauses asked in the Tender regarding active components Switch and Wireless AP as mentioned. As per clause no 4.7 of General Terms and Condition: The One Make for SW and One Make for AP. However, as per Annexure II line item no IV, stating Switches and Access Points should be from the same OEM. Please clarify if we can proposed two different OEM for Switches and Wireless AP or Not.	As per Annexure II , S. No IV.
97	9	4. General Terms and Conditions	In case any manufacturing defect arises in the equipment, it should be replaced within four working days.	4 working days is very less, it shall be minimum 10 working day.	As per RFP.
98	9	4. General Terms and Conditions	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.	1. We understand that one company can submit only 1 bid either as lead/sole bidder or as consortium bidder. Please confirm. 2. We understand OEM can support any no of bidders in this tender. Please confirm. 3. In case of consortium, Lead / Prime bidder shall sign the bid and Lead/Prime bidder shall submit Power of Attorney of their authorised signatory in their bid. Further, there is no need of any power of attorney from consotium partner. Please confirm. 4. In case of consortium, all MAF etc shall be in name of Lead/Prime member. Please confirm. 5. In case of consortium, all documents shall be submitted by Lead/Prime member. However, Consortium agreement and PAN, GST are required for Consortium mamber. Please confirm. 6. Consortium Agreement on white paper is acceptable or it shall be on Rs 100/- stamp paper. Please confirm.	Point No 1: As per RFP. Point No 2 : Not relavant. Point No 3: No. Point No 4: Yes. Point No 5: No. Point No 6: Stamp Paper.
99	10	4. General Terms and Conditions	Bidder must not have been blacklisted by any State/Central Government Department. An undertaking in this effect may be submitted	1. We understand that such undertaking is required on letter head of bidder as well as consortium partner. Please confirm. 2. This clause is not applicable on OEM. Please confirm.	Point No 1: Both Point No 2 : As per RFP.
100	10	5. Special Terms and Conditions	All prices quoted shall be inclusive of all taxes, freight and octroi etc. and shall be for JAKEGA, Civil Secretariat, Srinagar.	1. We understand that JAKEGA shall provide space to selected bidder to keep the material till implementation of project. 2. In GST regime, there is no Octroi. If it is still applicable then please confirm the rate of same.	Point No 1: Yes Point No 2 : As per RFP.
101	10	5. Special Terms and Conditions	Payment Terms will be as follows subject to the successful audit report as decided by JaKeGA:	1. We understand that payment of suplied items shall be made on the actual utilized quantity. Please confirm 2. We understand that there is no inspection of material by KAKEGA before dispatch. Kindly confirm. 3. We understand that there is no inspection of material by KAKEGA after delivery at site. if yes, then please confirm who shall carry out such inspection.	As per RFP
102	10	5. Special Terms and Conditions	The bidder shall submit the 10% PBG from the date of installation and commissioning for a period of O&M of 5 years from the date of Go Live.	Sir, as per Ministry of Finance has issued Office Memorandum letter no. F9/4/2020-PPD dated 12/11/2020 for reducing amount of Performance Security from existing 5-10% to 3% of the value of the contract by the contractee (Government Department/Agency) to boost liquidity in projects. We therefore request to kindly confirm that after 6 months of Go live, bidder shall submit fresh PBG of 3% value of service portion valid tiil completion of O&M period and upon submission of this PBG, earlier submitted security deposit by bidder shall be released by JaKeGA. Kindly clarify	As per RFP. 10 % Payment fo Project as PBG shall be with JaKeGA in order to ensure there is no deviation from bidder regarding tender deliverables.

103	10	5. Special Terms and Conditions	Delivery Schedule: The material delivery & installation cum commissioning has to be completed in Eight Weeks from release of work order/LOI.	Due to varied activities involved towards Active & Passive components Supply, Installation, Commissioning & Integration. It is requested to kindly consider delivery schedule as under:- a. Supply of all Active & Passive Components as per BOQ to be completed in 12 weeks from release of work order / LOI. b. Installation, Commissioning & Integration for all Active & Passive Component as per BOQ to be completed in 16 weeks from release of work order / LOI. Kindly confirm	May be read as, "The material delivery & installation cum commissioning has to be completed in Ten Weeks from release of work order/LOI."
104	17	ANNEXURE – II: Bidder and OEM Compliance	Switches and Access Points should be from the same OEM to have single TAC for Active components	We found contradiction in two clauses asked in the Tender regarding active components Switch and Wireless AP as mentioned. The One Make for Switch and One Make for Wireless AP in General Terms and Condition Point 4.7 & Annexure II line item no IV stating Switches and Access Points should be from the same OEM. Please clarify if we can proposed two different OEM for Switches and Wireless AP or Not.	As per Annexure II , S. No IV.
105	17	ANNEXURE – II: Bidder and OEM Compliance	Passive components like Fiber cable, Cat 7 Cable, LIUs, Patch Panel, Jacks, los, Patch Cords, should be from same OEM	Please clarify the following:- 1. Can a bidder supply 12 U Rack & 42 U Rack from different OEMs? 2. Can a bidder 150KVA Servo Stabiliser & 20KVA UPS from different OEM ?	Yes
106	19	Annexure – III - SLA	Bidder to install and commission 1000 LAN nodes in all respects in working condition within 25 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.	Considering Procurement, Testing, Inspection and Implementation timeline. The duration within which Bidder has to complete the work is 25 Days which is very less. Requesting you to make it 15 Weeks for delivery and Implementation Kindly acknowledge	May be read as, "Bidder to install and commission 500 LAN nodes in all respects in working condition within 30 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 3% to the bidder on the overall bid value."
107	19	Annexure – III - SLA	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.	Considering Procurement, Testing, Inspection and Implementation timeline. The duration within which Bidder has to complete the work is 20 Days which is very less. Requesting you to make it 15 Weeks for delivery and Implementation Kindly acknowledge	Cluase may be read as, "Bidder to install and commission all Wi-Fi access points in all respects in working condition within 30 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 3% to the bidder on the overall bid value."
108	19	Annexure – III - SLA	All change requests will be routed to Bidder for next five years after Go Live and will be taken care by Bidder as a part of warranty with zero Cost	Any change request by tender authority which incurs cost towards any additional material & services(including labor) will be charges extra. The same shall be reimbursed by the tender authority on actuals to successful bidder. Kindly confirm and clarify.	As per RFP.
109	20	Annexure – III - SLA	Online Portal to be provided for complaint management, ticket logging, reporting etc.	We assume that the Online Complaint management portal is available with Purchaser and a Role based Access with all required report generation rights will be provided to the successful Bidder O&M Team. Please clarify.	To be provided by auccessful bidder. As per RFP.
110	27	Annexure IV: Technical Specifications	Aggregation Switch	We have not found line item for Aggregation Switch in BoQ and Price Bid however there is a compliance asked for aggregation switch. Please amend the BoQ in the Pricebid with Aggregation SW as a line item with quantity Kindly clarify	Consider Management Switch as Aggregation Switch and vice versa.
111	30	Annexure IV: Technical Specifications	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.	We assume that existing WLC will have enough resources available to cater new Wi-Fi Access Points and Future demands, in order to provide better proposal we require make and model of WLC controller along with the Free Resources currently available for integration. Please clarify.	Bidder may conduct a survery in order to take accurate details.
112	30	Annexure IV: Technical Specifications	VAPT Software (For 100 Server Zone and	We assume that VAPT and post vulnerability measures is intended for very critical element of the project like Servers, Routers, Critical Switches, Firewall and Other public services offered through the Infrastructure deployed in the Project as well as existing Infrastructure to be integrated. It is very important to have count of the existing devices like Servers, Routers, Critical Switches, Firewall and Other public services to offer cost effective and accurate solution with adequate resources for VAPT. You are requested to please provide details & count of the existing devices as well as the type of devices for which VAPT is to be done. Kindly clarify	May refer to VAPT Software Specifications, S. No 12 (Page no 33 of RFP document)

113		30	Annexure IV: Technical Specifications	VAPT Solution	As per functional requirement of VAPT Solution, multiple tests and checks is to be performed the same can be achieve and compiled using multiple tools from different vendor / OEM OR else allow cloud based OR hybrid solutions for requirement Requesting you to allow bidder for the same Please confirm and acknowledge	As per RFP however, what is intended is that vendor to provide a mechanism to achieve the mentioned
114		30	Annexure IV: Technical Specifications	VAPT Solution	As per functional requirement of VAPT solutions multiple test and checks against Web & other Application is asked We request you to provide type & count of existing Web & other applications Please Clarify	As per RFP however what is intended is that vendor to provide a mechanism to achieve the mentioned
115		30	Annexure IV: Technical Specifications	Determines how long they can remain unnoticed and how much damage they can inflict. What is intended is that vendor to provide a mechanism to achieve the mentioned	Notifying a vulnerability depends on frequency of scanning scheduled agreed by purchaser however severity of risk can be identified for specific vulnerability We request you to change the clause as per above Please acknowledge	What is intended is that vendor to provide a mechanism to achieve the mentioned
116		30	Annexure IV: Technical Specifications	Should be a discrete event simulator for networking work. Simulator feature or a mechanism to provide such a requirement using any software. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to change clause as per below "Should be a active/Discrete/passive network simulator.What is intended is that vendor to provide a mechanism to achieve the mentioned requirement." Please acknowledge	Simulator feature or a mechanism to provide such a requirement using any software. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.
117		30	Annexure IV: Technical Specifications	Support Discrete event scheduler. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement	We request purchaser to remove this clause as there is no clarification on such event schedule Kindly acknowledge	Accepted
118		30	Annexure IV: Technical Specifications	Active-Active, Active-Passive, Standalone, Manual, Multi tenancy, Zero Touch Deployment, Scanner proxy for VPC (Virtual Private Container) environment, Support Integration with SIEM and Open Stack, End to End Vulnerability Management Work Flow Creation, User Acceptance Testing of Offered Modules, On Premise Solution, On Cloud Solution, Load balancing, Task peering, Automatic failover, Scanning for OS, Firmware, Application, Database. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to amend clause as per below Active-Passive, Standalone, Scanner proxy for VPC (Virtual Private Container) environment, Support Integration with SIEM and Open Stack or solution needs to support open APIs, End to End Vulnerability Management Work Flow Creation, User Acceptance Testing of Offered Modules, On Premise Solution, On Cloud Solution, Load balancing, Task peering, Scanning for OS, Application, Database. Please acknowledge	What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.
119	POLYCAB	30	Annexure IV: Technical Specifications	Allow user to drag and drop of widgets to reposition it on dashboard. Widgets to be color coded so that user can measure risk appetite. Highlight and risk rank criticality of assets., Drilldown capability from the UI (User Interface). Capable to identify and Tag every software for commercial or Open source software. Capable to allow daily trending within a widget. Flexible widgets like Pie chart, Bar chart, Value bases and list based.What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to amend clause as per below Highlight and risk rank criticality of assets., Drilldown capability from the UI (User Interface). Capable to identify and Tag every software for commercial or Open source software. Please acknowledge	What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.
120		30	Annexure IV: Technical Specifications	Provision for User to create assets inventory hierarchically like Site:- Data Centre Name ,Project name, Assets Groups(IPs). Continuous discovery of assets. Inventory visibility with elastic search like querying. Real-time continuous inventory. Elastic query base assets and vulnerability search. Capable to generate graphical discovery map for discovered devices and provide reports of added and removed devices on daily basis. Capable to convert a query into a widget. Capable to show DNS information for every asset. Capable to allow saving a query so that it can be reused. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to amend clause as per below Provision for User to create assets inventory hierarchically like Site:- Data Centre Name ,Project name, Assets Groups(IPs). Continuous discovery of assets. Inventory visibility with elastic search like querying. Real-time continuous inventory. Elastic query base assets and vulnerability search. Provide reports of added and removed devices on daily basis.Capable to show DNS information for every asset.Capable to allow saving a query so that it can be reused. Please acknowledge	Accepted

121	30	Annexure IV: Technical Specifications	All OIS and VMs. Discover , track and continuously secure containers from build to run time. Container ready security and compliance platform.,6. Complete visibility of container host on premises environment. Gathers comprehensive topographic information about container projects including images, registries and containers spun from the images etc. Identify images that have specific vulnerabilities, or that have vulnerabilities above a certain severity threshold. Integration with various container registry like Docker registry, Quay, Harbor for scheduled or on-demand scan.What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to remove asked clause as container technology is usually used in public and private cloud environment however the RFP has no such requirement so requesting you to remove this clause Please acknowledge	What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.
122	30	Annexure IV: Technical Specifications	1. Provision to detect and alert new assets in the network.,2.Provision to Targeted alerts based on a security policy.,3.Certificate data insight and certificate based vulnerabilities.,4.Provide alerts based on threat intelligence.,5.Provision to monitor SSL certificates and alert on expiring SSL certificate.,7.Whenever a asset/IP is scanned multiple time, user to be able to fetch/download each and every report of that asset/IP.,8.Each scan corresponding to that IP/asset to have unique scan ID.What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to amend clause as per below 1. Provision to detect and alert new assets in the network. 3.Certificate based vulnerabilities. 4.Provide alerts based on threat intelligence. 5.Provision to monitor SSL certificates and alert on expiring SSL certificate. 7.Whenever a asset/IP is scanned multiple time, user to be able to fetch/download each and every report of that asset/IP. 8.Each scan corresponding to that IP/asset to have unique scan ID. Please acknowledge	Accepted
123	30	Annexure IV: Technical Specifications	1. Live Threat Intelligence Feed and threat categorization.,2. Displays entire threat posture at a glance.,3. Group vulnerabilities that have public exploit available, can result in DoS and can propagate via lateral movement.,4. Provision for search results to be further sorted, filtered and refined.,5.Shareable Dashboards allow import / Export to JSON(Java Script Object Notation) format for reuse and sharing in open standard.,7. Threat identification, impact assessment and remediation prioritization.	We request purchaser to amend clause as per below 1. Live Threat Intelligence Feed and threat categorization. 2.Displays entire threat posture at a glance. 3. Group vulnerabilities that have public exploit available, can result in DoS and can propagate via lateral movement. 4. Provision for search results to be further sorted, filtered and refined. 7. Threat identification, impact assessment and remediation prioritization." Please acknowledge	Accepted
124	30	Annexure IV: Technical Specifications	1. MS-SQL (All versions),2. MySQL (All versions),3. Oracle (All versions),4. PostgreSQL (All versions),5. DB2,8. Mongo DB (All version) etc. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.	We request purchaser to provide details as per below Please provide more details that why all the versions of the respective databases needs to be supported by VA tool and what all database versions you are currently using. Please Clarify and acknowledge	MS-SQL, Postgre SQL etc. Expecting Oracle and Mogo DB may come up. What is intended is that vendor to provide a mechanism to achieve the mentioned requirement.
125	47	Annexure IV: Technical Specifications	Solution should include all required licenses to perform authentication, authorization, and accounting (AAA) and guest management services for atleast 2500 users or endpoint from day one and Device posturing, Profiling and provisioning for 2500 users from day 1.	We understand that there existing setup is already running and need to integrate new setup with additional licenses to be add in existing solution Please clarify asked 2500 licenses are additional only.	Bidder may conduct a survey in order to take accurate details. As per RFP.
126	54	Annexure IV: Technical Specifications	Servo Stabilizer : Compliance No of Phase: Three, Rated KVA: 2 x 150. Three (3 single phase connected in star)	We Understand that the Rated KVA: 2 x 150 = 300 KVA Qty : 01 Servo Stabilizer required OR 150 KVA Qty : 02 Servo Stabilizer is required Kindly confirm	2 X 150 KVA
127	54	Annexure IV: Technical Specifications	Servo Stabilizer	We assume that Servo will be connected at Input of UPS Please clarify	Servo and then UPS.
128	54	Annexure IV: Technical Specifications	Output power capacity including redundancy/Expandable (Rack facility). 20 KVA with 3 hours backup. Adequate VAH of batteries to be provisioned.	As per overall active components requirement given in RFP, asked capacity for UPS is not sufficient (considering POE Switch, HCI Servers & other active componants) so requesting you to amend the UPS capacity requirement to 60KVA each. Kindly acknowledge	As per RFP considering the existing setup in place.
129	54	Annexure IV: Technical Specifications	Modular type UPS equipped with microprocessor/Digital signal processor and power modules, Power expansion facility, LCD/Digital display upto maximum expandable capacity, Cable entry, RS 232 port and SNMP port and with suitable rack (compatible maximum expandable) with complete lockable door having visibility for maximum expandable capacity.	Kindly clarify the required maximum expandable capacity for each UPS chassis.	As per RFP.
130	55	Annexure IV: Technical Specifications	CAT 7	CAT 7 Specifications details not provided Please clarify	As per RFP. Bidder open to Quote CAT 7 or higher to meet TR11801-9905 standard or higher.

131	55	Annexure IV: Technical Specifications	Supply and installation of high density 42 U height, Rack with Integrated cold aisle & hot aisle containment frame Rack Containment Frame is 42 U, 19" mounting type with 2200 (Height) x 600 (Width) x 1800 (Depth, including Rack + Cold & Hot Aisle Containment).	Please clarify the following:- 1. Do we require 42U Rack with cooling ? If Yes pls. share required cooling capacity for each rack. 2. Do we require cooling redundancy for 42U Rack ?	42U Rack with Cooling Unit as per the BOQ on Core Side to be ensured by bidder. Intelligent Element is must for Smart Rack or Smart Solution such as Remote Monitoring Unit (RMU), Fire Suppression Detection System, Rodent Repellent System, Biometric Access Control Lock, CCTV Dome Camera all this at Rack Level. 42U Height x 800mm Width x 1800mm Depth Rack or better than this.
132	55	Annexure IV: Technical Specifications	Supply and installation of high density 42 U height, Rack with Integrated cold aisle & hot aisle containment frame Rack Containment Frame is 42 U, 19" mounting type with 2200 (Height) x 600 (Width) x 1800 (Depth, including Rack + Cold & Hot Aisle Containment).	Kindly allow Bidder to proposed Rack width & Depth per their active & passive components solution to be hosted respectively. Pls. acknowledge	42U Rack with Cooling Unit as per the BOQ on Core Side to be ensured by bidder. Intelligent Element is must for Smart Rack or Smart Solution such as Remote Monitoring Unit (RMU), Fire Suppression Detection System, Rodent Repellent System, Biometric Access Control Lock, CCTV Dome Camera all this at Rack Level. 42U Height x 800mm Width x 1800mm Depth Rack or better than this.
133	55	Annexure IV: Technical Specifications	Each Rack should have atleast 4 PDU's with minimum 8# of 5/15 Amps socket. Should have surge protection and MCB. Should have Built-in Surge protection	Requesting you to allow bidder to provide PDU as per solution. (i.e. C13, C19 OR 5/15 Socket) Please acknowledge	Single phase PDU with 32amps load (7.3 KVA) total capacity . It is recommended to have 2 branches x 2 circuit of 16amps, Combination of IEC C13 & C19 Sockets this helps when one branch /socket fails the other branches are not affected.
134	60	Annexure IV: Technical Specifications	Brightness 500 nits or higher	Brightness of 350 nits isadequate for indoor applications, therefore requesting you to amend Brightness to 350 nits OR higher Please consider and clarify	As per RFP.
135	60	Annexure IV: Technical Specifications	Contrast Ratio (Typical) 5000:01:00 or higher	To ensure selection of product as per availability towards timely supplies for Large Display required, we request to amend the Contrast Ratio (Typical) as under- 4,000 : 1 OR Higher Please consider and clarify	As per RFP or higher.
136	60	Annexure IV: Technical Specifications	External Control Stereo Mini Jack (IR in/out), Mini USB (Ext. Brightness/IR Sensor)	Please consider amendment in Large Display External Control as : Stereo Mini Jack (IR in/out), Mini USB (External Or Internal for Brightness/IR Sensor) Kindly clarify	As per RFP or higher.
137	60	Annexure IV: Technical Specifications	Special Built-in Speaker, Simple Plug & Play Media Player ,Narrow Bezel, Slim Chassis Depth, External Camera for VC or Integrated Camera	Please consider amendment in Large Display Special as : Built-in Speaker, Media Player , Narrow Bezel, Slim Chassis, External Camera OR Integrated Camera for VC Kindly clarify.	As per RFP or higher.
138	60	Annexure IV: Technical Specifications	Software Android Based or windows based with Chromecast functions inbuilt or external form day 1.	Please consider amendment in Large Display Software as : Android Based Or windows Or Standard OS based with Chromecast/screen share functions inbuilt or external from day 1. Kindly clarify	As per RFP or higher.
139	63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	SFP Lot	This line item is generic and there is huge technical commercial gap among different type of SFP in order to, have better comparison for technical and financial bid Kindly provide SFP bill of Quantity with type and specification Please clarify	As per RFP.
140	63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	12 Core Fibre Cable SM Meters 12 Core Fibre Cable MM 12 Port LIU Rack Mount Loaded with all accessories	As per BoM line item B.5,6,7 12 core fiber cable is asked, However looking to the requirement & solution 12 Port LIU is not sufficient to cater 12 Core Fiber termination considering cascading/ring. Kindly amend 24 Port LIU in place of 12 Port LIU Please confirm	Not all Cores are to be used at the same time. Hence as per RFP.
141	63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	12 Core Fibre Cable SM Meters 12 Core Fibre Cable MM 24 Port LIU Rack Mount Loaded with all accessories	As per BoM line item B.5,6,8 12 core fiber cable is asked, However looking to the requirement & solution 24 Port LIU is not sufficient to cater 12 Core Fiber termination considering cascading/ring. @ Server Room Kindly amend 48 Port LIU in place of 24 Port LIU Please confirm	Not all Cores are to be used at the same time. Hence as per RFP.
142	63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	PVC Conduit – 1" ISI Certified Preferably AGK PVC Conduit – 1.5" ISI Certified Preferably AGK	PVC conduit is to protect cable laid in implementation, any ISI certified PVC conduit is well suited for the requirement. Please clarify if bidder can supply Standard ISI conduit	As per RFP. Bidder can supply Standard ISI conduit however good quality.
143	63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	RJ 45 Connector Box (Lumpsum as per need of the Project)	Please clarify total qty required RJ-45 count per BoX.	Lumsum requirement for complete project.

144		63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	42U Racks with all Accessories with 12 port IP KVM Switch	The OEM of Rack & KVM Switch will not be same. Request you to allow for bidder to quote separate make OEM for this line item. Kindly clarify	Accepted
145		63	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	42U Racks with all Accessories with 12 port IP KVM Switch	42U Rack - KVM is required individually per Rack Or only 1 KVM Switch to be considered? Kindly clarify	Individually in each Rack as per RFP.
146		64	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	20 Kva Online UPS with 3 hours Backup (N+1)	Is N+1 redundancy in same chasis required ? (i.e. 20KVA Module + 20 KVA Module) Or N+1 redundancy between 2 separte chasis (i.e. 20KVA UPS Chasis + 20KVA UPS Chasis) Pls. confirm	As per RFP.
147		65	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	B.18: 150 KVA Servo Stabilizer = Qty 1 Nos. C.32: Installation and commissioning of 150 KVA Servo (N+1) = Qty 1 Nos.	Supply BOQ mentions : 150 KVA Servo Stabilizer - Qty 1 No Services BOQ mentions: 150 KVA Servo Stabilizer (N+1) - Qty 1 No. Kindly confirm if we have to consider 150KVA Servo Stablizer in redundancy i.e. N+1 Please clarify	2 X 150 KVA
148		65	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	Penta scanning Testing of Data Nodes and OTDR Testing of all Fibre's (Lumpsum as per project requirement) ~ All nodes	Please Quantify the Penta scanning Testing of Data Nodes & OTDR Testing for Fiber Cores. Is it to be done once or is a multiple activity? Kindly quantify Please clarify It will help bidder to quote the unit price for services.	All Nodes of WiFi Access Points and all LAN Nodes to be deployed under this project.
149		66	(ANNEXURE V) - TECHNICAL BID COMPLIANCE INFORMATION – Bill of Quantity	Three onsite dedicated Networking Support manpower resources from the date of sign off of installation and Commissioning and Go Live for 5 years	Please clarify if the 3 onsite dedicated Networking Support manpower resource is required for 5 years after Go Live.	3 Networking resources are needed. Two should be CCNP or JNCIP or ACSP with 5 years of experience.
150	NOVATEUR	54	Modular UPS	Online UPS Modular type should support for Data Centers, Network operating centers, Security operation centres, State and District centers, Command and Control center etc.,	Online 20KVA Modular UPS in (N+1) operation is required should be mention here also as mentioned in BOQ sheet. Please consider.	Online 20 KVA UPS with N+1 redundancy is needed.
151		54	Servo Stabilizer	No of Phase: Three, Rated KVA: 2 x 150. Three (3 single phase connected in star)	Qty is 2 units /one unit .as in BOQ it is mentioned as 1 unit. And here in specification is is written as 2x150KVA. please clarify.	One Unit however in N+1 mode.
152		6	3 Scope of Work LAN Requirement	Out of 2945 Ports envisaged to be needed in Civil Secretariat Srinagar, the existing switching ports available in Wi-Fi networking at respective locations shall also be used.	We request to kindly provide Make, Model and Year of Installation of the Existing Switches along with the details of number of free / available ports and existing PoE ports, so that we can plan for the Power Budget and feasibility for the usage of existing ports.	Bidder to visit the site as per tender terms and conditions to take accurate details.
153		8	3 Scope of Work Proposed Network Architecture	To provide detailed Project document report with connectivity diagrams (Physical and Logical) including: Raceway/pathway diagram, heat maps, Cable and Fibre patching details, Naming and labelling details, Cable scanning and test results.	Please confirm that building layout drawings, Floor Plan will be provided to the bidder after award of contract as it is mandatory requirement to execute the work.	Existing plans shall be shared to succsful bidder.
154		9	4.19	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 Page 10 of 73 documents for eligibility and all evaluations shall be carried out on prime bidders documents.	We understand that the following documents required by consortium partner in case the bid is submitted in consortium: 1. Any standrad format Consortium Agreement 2. Blacklisting letter/undertaking 3. PAN & GST 4. Certificate of Incorporation. Kindly confirm.	As per RFP.
155		9	4.7	All active components of one make for Switches in Local Area network and one make for Wireless Access Points.	Can we offer two different OEM for Switches and Wireless AP since it will help bidder in reducing dependency on one bidder only. Kindly accept this.	As per RFP.
156		10	5.4 (c)	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 10% PBG from the date of installation and commissioning for a period of O&M of 5 years from the date of Go Live.	As per Ministry of Finance Order No. F9/4/2020-PPD dated 12/1/2020, the PBG is reduced to 3% to boost liquidity in projects. Also, please confirm that this PBG shall be for the value of O&M contract amount only. Also confirm that the 3% PBG of contract value submitted by of the contractor shall be released upon submission of this O&M PBG. Kindly confirm.	Since the entire payment is made in early phase of project hence in order to ensure there is no deviation from bidder regarding tender deliverables 10% PBG is asked.
157		10	5.4 C	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 10% PBG from the date of installation and commissioning for a period of O&M of 5 years from the date of Go Live.	Payment terms for O&M Period is not specified. Please confirm the payment terms of O&M of 5 years.	As per RFP. 10 % Payment fo Project as PBG shall be with JaKeGA in order to ensure there is no deviation from bidder regarding tender deliverables.

158		10	5.8	Delivery Schedule: The material delivery & installation cum commissioning has to be completed in Eight Weeks from release of work order/LOI.	As we know that this is tough time and industries are not able to do the manufacturing with their full capacity and mostly all raw materials are delayed a lot, so such project involving high end products from 10-12 OEMs (Including Active and Passive Items) and services required sufficient time for supply as well as Installation and commissioning. Therefore, we request to kindly consider and modify the delivery of material to minimum 4 weeks and 3 months for completion of Installation and commissioning. Please consider this request.	The material delivery & installation cum commissioning has to be completed in Ten Weeks from release of work order/LOI.
159	PRAGYAWAN	17	IV	Switches and Access Points should be from the same OEM to have single TAC for Active components	Can we offer two different OEM for Switches and Wireless AP since it will help bidder in reducing dependency on one bidder only. Kindly accept this.	As per RFP
160		17	IV	Passive components like Fiber cable, Cat 7 Cable, LIUs, Patch Panel, Jacks, los, Patch Cords, should be from same OEM	We understand that products like Racks(12U, 42U) from different OEMs since it will not affect the performance and will help in reducing the delivery time of the items. Also we can we supply 150KVA Servo Stabiliser and 20KVA UPS from two different OEM. Please confirm.	It is agreed that Bidder can supply Servo Stabilizer and UPS from different OEMs. Rest of the terms and conditions of tender remain unchanged.
161		19	Installation and Commissioning SLA for 1000 LAN Nodes and Wireless Access Point Setup: I.	Bidder to install and commission 1000 LAN nodes in all respects in working condition within 25 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.	1. 1000 LAN Nodes in 25 days in not possible since it include works like procurement, Testing, Inspection and Implementation timeline. So we request change this to minimum 2 months for supply and installation and commissioning. Please accept this. 2. Also the penalty of 5% is too high on total contract. So we request to kindly reduce the penalty to standard 0.7% per week for the delayed portion only with capping of 5% of total contract value.	May be read as, "Bidder to install and commission 500 LAN nodes in all respects in working condition within 30 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 3%to the bidder on the overall bid value."
162		19	Installation and Commissioning SLA for 1000 LAN Nodes and Wireless Access Point Setup: 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.	1. I&C of all WiFi access points in 20 days in not possible since it include works like procurement, Testing, Inspection and Implementation timeline. So we request change this to minimum 45 days for supply and installation and commissioning. Please accept this. 2. Also the penalty of 5% is too high on total contract. So we request to kindly reduce the penalty to standard 0.7% per week for the delayed portion only with capping of 5% of total contract value.	Cluase may be read as, "Bidder to install and commission all Wi-Fi access points in all respects in working condition within 30 days from the date of release of Purchase/Work Order. Any deviation shall lead to penalty of 3%to the bidder on the overall bid value."
163		19	Other: Sr. V	All change requests will be routed to Bidder for next five years after Go Live and will be taken care by Bidder as a part of warranty with zero Cost	We understand that any change which is requested by tendering authority which incurs cost towards any additional hardware or services will be charges extra. The same shall be reimbursed by the tender authority on actual basis on submission of relevant documents. Please accept this.	As per RFP.
164		27	Aggregation Switch	Aggregation Switch	This item is not mentioned in BoQ and Price Bid however there is a compliance asked for aggregation switch. Please add this Aggregation Switch and modify the BoQ and Pricebid with Qty. Please modify.	Consider Management Switch as Aggregation Switch and vice versa.
165		55	Passive Item Specifications	CAT 7	Please provide specifications of the CAT 7 cable.	Mentioned in RFP.
166		63	A.18	SFP Lot	Please provide SFP BOQ with type and specifications.	As per the active items supplied with same OEM as per the active component.
167		63	B.9 / B.10	PVC Conduit – 1" ISI Certified Preferably AKG	Can we supply any Brand ISI Certified PVC Conduit?	Any ISI Certified Brand.
168		63	B.16	RJ 45 Connector Box (Lumpsum as per need of the Project)	What will be the qty. per box?	Lumpsum requirement for complete project.
169		-	-	General	Please confirm if the any hard copy submission of uploaded bid documents is required.	No Hard Copy is needed.
170		-	-	General	Please let us know the estimated budget of this project/tender for this work.	Bidder to quote their best rates.