

Response to Queries/suggestion

Request for proposal (RFP) for Selection of Implementing Agency (Cluster wise) for Supply, Installation, Commissioning and Operations & Maintenance of CCTV Video Surveillance System at various branches (LCB, SoG, cyber police station and LIB) and police stations working under Office of the ADGP (Technical services). Bid Number: GEM/2022/B/2661545 Dated: 23-10-2022.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
1	Annexure-C Server / Form Factor & HDD Bay Page 22/23	3U/4U, 19" Rack Mounted with 16/24 Hard Disk Bay option	<p>Modification: Maximum 4U, 19" Rack Mounted with 8/24 Hard Disk Bay option.</p> <p>Justification: We request department to please amend the clause as maximum 4U space which does not restrict the leading OEM's from proposing a better solution in lower rack space. The current asked Rack U is required for 4 socket servers and not 2 socket. The current ask is OEM specific and restricts participation from other leading OEM's.</p> <p>Request you to also please amend the Hard Disk Bay to 8/24 as per the current requirement and future expansion the asked number of HDD Bays are not required.</p>	Please Read Server Specification as: Form Factor : 1U/2U/3U/4U
2	Annexure-C/ 4.1 Storage / No. of Controllers per appliance Page 22/23	Minimum 2 nos.	<p>Modification: Minimum 2 active-active controllers.</p> <p>Justification: For such a critical data storage, it is recommended to have dual active controllers for high availability and to prevent data loss in case of controller failure.</p>	No change, as per RFP.
3	Annexure-C/ 4.1 Storage / Supported Network Protocols Page 22/23	SMB/CIFS, NFS/FTP/WebDAV, FC, iSCSI etc	<p>Modification: SMB, CIFS, NFS, FTP, FC and iSCSI</p> <p>Justification: All leading OEMs offer both block and file protocols. For a critical data storage, it is recommended to have both block and file protocols.</p>	No change, as per RFP.
4	Annexure-C/ 4.1 Storage / Drive Support and Type Page 22/23	16 # 3.5" Drives (Upto 14TB per drive) or higher	There seems to be a typographic error. Please clarify 16 # 3.5"	No change, as per RFP.
5	Annexure-C/ 4.1 Storage / Cache/Memory Page 22/23	64 GB per device and upgradable to 128 GB per device	<p>Modification: 128GB controller cache from day-1</p> <p>Justification: Storage systems do not come with DIMMs like servers and would need controller change to upgrade memory.</p>	No change, as per RFP.
6	Annexure-C/ 4.1 Storage / Cache/Memory Page 22/23	Supports mix of SAS and SATA drives in the same enclosure	<p>Please remove point.</p> <p>Justification: SAS and SATA drives have different form factors of 2.5" and 3.5". Moreover, the speed of these drives would be different i.e. 10K RPM for SAS and 7.2K RPM for NL-SAS. It is not feasible to mix these drives in the same enclosure.</p>	No change, as per RFP.
7	Annexure-C/ 4.1 Storage / RAID configuration Page 23/23	1, 5, 6, 50,60 & Hot-spare support from day-1	<p>Modification: 1/0, 5, 6 & Hot-spare support from day-1</p> <p>Justification: Above mentioned RAID levels are the standard RAID levels for storage. 50 and 60 are server RAID Levels and not used on storage.</p>	No change, as per RFP.

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8	Annexure-C/ 4.1 Storage / General Features Page 23/23	Should support logging of NVRAM error	Request to remove this point as it is OEM specific. NVRAM are not used in standard storage solutions from any reputed OEM's. Storage uses DRAM which is embaded on the controllers, so request you to please remove this point.	No change, as per RFP.
9	Annexure-C/ 4.1 Storage Page 22/23 Drive Support and Type	Supports mix of SAS and SATA drives in the same enclosure	Supports mix of SAS and SATA drives in the same enclosure SAS & SATA drives are of physical different sizes, hence both can not be supported in same enclosure, but both drives can be supported in same storage. So we have requested to remove same enclosure	No change, as per RFP.
10	Annexure-C/ 4.1 Storage Page 22/23 Form Factor/Mounting	3U/4U,19" Rack Mounted	19"Rack Mounted Solution will occupy more space than 3U/4U	No change, as per RFP.
11	Annexure-C/ 4.1 Storage Page 22/23 Network connectivity per controller	Minimum 4 x 1GbE + 2 x 10 GbE SFP+ or higher	Minimum 4 x 1GbE + 8 x 10GigE Ports + 2 x 32/16 Gb FC For handling large surveillance data, high bandwidth is required, 2 x 10G ports per controller are not enough to handle the required high bandwidth, hence we suggest to increase ports to minimum 8 x 10GbE ports per controller and request to remove 1 G ports, as 1G ports are no more in use for surveillance data handling due to low bandwidth, also we suggest to add 2 x 16G FC ports to provide block storage support for Video file data base.	No change, as per RFP.
12	RAID configuration	1 , 5, 6, 50,60 & Hot-spare support from day-1	RAID 5, 6 or equivalent RAID 1 and 0 and their combination with other RAID groups is old technologies and were used specifically in servers for OS mirroring etc. in storage the OS comes with inbuilt redundancy and RAID 5 (single parity) and RAID 6 (dual parity) are in use with all workloads. This clause is restrictive in nature and prohibits NetApp from participating in tender, whereas the mentioned RAID 1, 50, 60 does not add to any value add except for debarring the few major OEM from participating.	No change, as per RFP.
13	Annexure C, Technical Specification Layer 3 Fully Managed Switch	Core Switch Should Supports MPLS ,	Requesting the changes in Tender Specifications because of the following reasons: Please Remove MPLS, MPLS (Multiprotocol Label Switching) is a networking technology that is commonly used WAN Network or ISP Segments. Leverage will allow all the vendors to comply with the specifications and you will be benefited by getting very competitive product in terms of technology & pricing.	Please consider MPLS stands to be deleted from the Layer 3 Fully Managed Switch specification.

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14	Annexure C, Technical Specification Layer 3 Fully Managed Switch	Security Features	Requesting for add Security features :- Switch should support Microsoft NAP, Cisco ISE, HP Aruba Clear Pass, 802.1X NAP, Identity-driven Policy, Multicast Source Discovery Protocol (MSDP), Guest VLAN, Trusted Host, Time-based ACL, Sflow or Equivelent Protocols.	No change, as per RFP.
15	Annexure C, Technical Specification Layer 3 Fully Managed Switch	OEM T&C,	All Switch should be from same OEM, Switch OEM Should be ISO 27001 (Information Security Management System Certified), ISO 45001 (Occupational Health and Safety (OH&S) Management System). OEM should have minimum 1500+ switches order in any single surveillance project in Gujarat Government. (Customer Certificate / Proof of reference documents to be submitted)	No change, as per RFP.
16	Annexure C, Technical Specification, 8 port network switch	Additional & Essential Clause for CCTV Network	Operating Humidity • 0% to 95% relative humidity Certification: CE, FCC, RoHS and UL. Switch should have feature for automatically throttles the impact of packet flooding into the switch's CPU. TLS, SSH, 802.1X Authentication, Cable diagnostics, Green V3.0 Technology. Embedded Surge protection on all Gigabit Ethernet ports and on all GE RJ-45 access ports and Security Prevention of DoS attacks, which include Land, Blat, TCP Null Scan, TCP Xmas Scan and TCP SYNFIN.	No change, as per RFP.
17	Additional	Additional	All Switch should be from same OEM, Switch OEM Should be ISO 27001 (Information Security Management System Certified), ISO 45001 (Occupational Health and Safety (OH&S) Management System). OEM should have minimum 1500+ switches order in any single surveillance project in Gujarat Government. (Customer Certificate / Proof of reference documents to be submitted)	No change, as per RFP.
18	Revised Technical Specification.pdf	Provide online and offline reports that allow the user to view the present usage of their devices. Reports generates should be exportable in the format of HTML, PDF, Excel and CSV. Allows end-users to browse all reports using any web browser like Internet Explorer, Mozilla Firefox, Google Chrome etc. without the need to install any report specific software	Need to revise this section as "Provide online and offline reports that allow the user to view the present usage of network devices. Reports generated should be exportable in any 2 format like HTML/PDF/ Excel/ CSV format . Allows end-users to browse all reports using any web browser like Internet Explorer/Mozilla Firefox/Google Chrome etc. using any BI report specific software" Our understanding of this requirement is against network device and not end users systems, in PDF or CSV format, and to provide multiple report and in multiple format may require any BI report specific software	No change, as per RFP.
19	Revised Technical Specification.pdf	It should be a Drag & Drop based Network Diagram builder, Dynamically Upload Images, Customizable objects to support multiple vendors, capability to export maps in an XML format and upload to any other system.	Pls confirm our query in column E Our understanding is to export dashboard/map from one instance of the system and import into another instance of same system. Please confirm if this understanding is correct Or share your understanding of requirement	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
20	Revised Technical Specification.pdf	<p>Panel View</p> <p>b. System should automatically detect the device model display the right panel without any additional configuration</p>	<p>Request this clause to be removed from NMS / EMS. Customized dashboards for monitoring purpose can be provided, with inputs from hw infra tools, tools for all IT infra monitored and measured under EMS/ NMS umbrella.</p> <p>This feature is provided by Hardware Infrastructure OEM which is only applicable for their own infrastructure monitoring and not for any 3rd party oem tools. None of Enterprise NMS tool provides Panel view or front view point. Hence, we request you to remove the clause (b) under Panel view. We can provide customized dashboards with inputs from Hw infrastructure oem's, for all IT infra monitored and measured under EMS/ NMS.</p>	<p>Please read as below: Panel View/ interface view</p>
21	Revised Technical Specification.pdf	<p>c. Panel should show all the monitored interface with status</p>	<p>Request this clause to be removed from NMS / EMS. Customized dashboards for monitoring purpose can be provided, with inputs from hw infra tools, tools for all IT infra monitored and measured under EMS/ NMS umbrella.</p> <p>This feature is provided by Hardware Infrastructure OEM which is only applicable for their own infrastructure monitoring and not for any 3rd party oem tools. None of Enterprise NMS tool provides Panel view or front view point. Hence, we request you to remove the clause (c) under Panel view. We can provide customized dashboards with inputs from Hw infrastructure oem's, for all IT infra monitored and measured under EMS/ NMS.</p>	<p>Please read as below: Panel / interface</p>
22	Revised Technical Specification.pdf	<p>d. Fan status with live fan icon and LED status for power</p>	<p>Request this clause to be removed from NMS / EMS. Customized dashboards for monitoring purpose can be provided, with inputs from hw infra tools, tools for all IT infra monitored and measured under EMS/ NMS umbrella.</p> <p>This feature is provided by Hardware Infrastructure OEM which is only applicable for their own infrastructure monitoring and not for any 3rd party oem tools. None of Enterprise NMS tool provides Panel view or front view point. Hence, we request you to remove the clause (d) under Panel view. We can provide customized dashboards with inputs from Hw infrastructure oem's, for all IT infra monitored and measured under EMS/ NMS.</p>	<p>No change, as per RFP.</p>

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
23	Revised Technical Specification.pdf	Tool must provide option to perform standard compliance checks like PCI-DSS, NIST, DISA etc. across all target CLI-based network devices	Please revise the clause as ' Tool must provide option to perform standard compliance checks like PCI-DSS across all under monitoring target CLI-based network device. In the term of network device compliance, PCI-DSS best fits	No change, as per RFP.
24	Revised Technical Specification.pdf	Should be able to receive flows from non-SNMP-enabled devices	Request this clause to be changed to " Should be able to receive flows from SNMP-enabled devices " . Traffic flows can only be received from SNMP enabled network devices.The industry-standard protocols for flow are NetFlow, JFlow, SFlow, and IPFIX traffic data capture methodologies.	No change, as per RFP.
25	Revised Technical Specification.pdf	Should monitor Type of Service (ToS), Differentiated Services Codepoint (DSCP), and Per-Hop Behaviour (PHB)/BGP AS / NEXT HOP	Please remove per hub behaviour (PHB) & NEXT HOP... as they are irrelevant to NMS. As PHB is protocol which is managed by device. What is use case for (PHB) and NEXT HOP.. please elaborate. This point is not relevant for Enterprise NMS Monitoring	No change, as per RFP.
26	Revised Technical Specification.pdf	Tool should have option to collect and store system logs from target devices including AAA, routers, switches, WLC, servers, applications & databases	To be removed from NMS or kept as separate SIEM section requirement, as this is part of SIEM (Security Information and Event Management) solution. We can propose this solution as part of our SIEM solution offering. This functionality is not part of NMS solution . The best understanding of this project Network monitoring is the key requirement to monitor the camera and network devices that does not need syslog collections, We request the requirement of this clause to be removed from NMS specification. In case you feel Syslog collection is requirement please add a separate category called SIEM (Security Information and Event Management) which provides this functionality	No change, as per RFP.
27	Revised Technical Specification.pdf	Tool should have multiple filtering options for incoming system logs based on target device, log_ID, severity, level, message, OS type, application / database etc.	To be removed from NMS or kept as separate SIEM section requirement, as this is part of SIEM (Security Information and Event Management) solution. We can propose this solution as part of our SIEM solution offering. This functionality is not part of NMS solution . The best understanding of this project Network monitoring is the key requirement to monitor the camera and network devices that does not need syslog collections, We request the requirement of this clause to be removed from NMS specification. In case you feel Syslog collection is requirement please add a separate category called SIEM (Security Information and Event Management) which provides this functionality	No change, as per RFP.

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28	Revised Technical Specification.pdf	Tool should have option to export specific syslog messages to users via email / SMS	<p>To be removed from NMS or kept as separate SIEM section requirement, as this is part of SIEM (Security Information and Event Management) solution. We can propose this solution as part of our SIEM solution offering.</p> <p>This functionality is not part of NMS solution .</p> <p>The best understanding of this project Network monitoring is the key requirement to monitor the camera and network devices that does not need syslog collections, We request the requirement of this clause to be removed from NMS specification.</p> <p>In case you feel Syslog collection is requirement please add a separate category called SIEM (Security Information and Event Management) which provides this functionality</p>	No change, as per RFP.
29	Revised Technical Specification.pdf	System licensing should be based only on Physical Hosts and not charge separately for individual guest VMs running on VM Hosts	<p>Please modify this clause as "System licensing should be based on OS instance"</p> <p>None of Industry leading EMS solution provides Licensing based on physical host for guest VM's monitoring. Most popular Industry standard is based on OS instance.</p> <p>Please modify this clause as "System licensing should be based on OS instance"</p>	No change, as per RFP.
30	Revised Technical Specification.pdf	Provide 12+ open APIs in the system which can be used by customers for integrating their own systems. Integration should provide the option in both north as well as south bound integration using multiple options like XML, RestAPI/ SOAP/, Corba etc. on each module level. Any fault details should be able to send to third party CRM, Customer Portal, UNMS or even EMS if needed using the XML, Trap/ direct database query integration/REST integration	<p>Please revise this section and remove '12+ API' word and add REST API to the desired methods of integration, as this is latest technology. REST API integration is the most open and latest industry standard which is missing and XML, corba, SOAP are older standards .</p> <p>We suggest to Modify this clause as "Integration should provide the option in both north as well as south bound integration using multiple options like REST API/XML/SOAP/Corba etc. on each module level. Any fault details should be able to send to third party CRM, Customer Portal, UNMS or even EMS if needed using the Trap/XML/direct database query /REST integration"</p>	<p>Please read as below:</p> <p>Provide open APIs in the system which can be used by customers for integrating their own systems. Integration should provide the option in both north as well as south bound integration using multiple options like XML, RestAPI/ SOAP/, Corba etc. on each module level. Any fault details should be able to send to third party CRM, Customer Portal, UNMS or even EMS if needed using the XML, Trap/ direct database query integration/REST integration</p> <p>Please consider 12+ stands to be deleted</p>

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31	Revised Technical Specification.pdf	The tool should have an integrated ITSM module which must be certified by PinkVerify for ITIL v3 on at least 05 ITIL processes and certificate must be provided on request. it should be possible to use the service management features like Incident Logging, Viewing, Assignment, Escalation, Reporting, SLA Management etc. in the Service Manager tool GUI. The integration should be bi-directional in nature.	The tool should have an integrated ITSM module which must be certified by PinkVerify for ITIL v4 on at least 10 ITIL processes and certificate must be provided on request.. https://www.pinkelephant.com/en-US/pinkverify/pinkverify-certification <u>ITIL V3 is discontinued long back</u> https://www.axelos.com/about-axelos/news/axelos-announces-discontinuation-of-itol-v3	Please read as below: certified by PinkVerify for ITIL v3 or latest
32	Revised SOW → Page No. 8 → 3. Eligibility Criteria, PQ 3 → Financial Strength	Last three financial years (2018- 19, 2019-20 and 2020-21) or (2019- 20, 2020-21 and 2021-22).	As the last financial year i.e. 2022-23 is completed. Hence, we would like to kindly incorporate the same. As you aware about the COVID pandemic situation where most of the bidders got affected during FY 2020-21 and was started recovering from 2021-22 in terms of turnover. Hence, we would like to request to kindly amend the clause with following. Revised Clause Last three financial years (2019-20, 2020-21 and 2021-22) or (2020-21, 2021-22 and 2022-23)	No change, as per RFP.
33	Make and Model form-	Network Management Software (NMS)	In this Make and Model form there is no mentioned of “Network Management Software (NMS)”. We request to kindly add the same in list.	bidders are requested add one more line/row in the make and model form and give the make and model for Network Management Software (NMS)
34	Make and Model form →	12U Rack Enclosure (Networking/Server Rack)	In make and model as well as in cluster wise Price Bid list it is mentioned however tender technical specification is missing Kindly clarify the same.	Bidders are requested to consider the 12 U rack specification in line with 9 U rack specification. Please consider size as per 12 U
35	Specifications of 42 U Cooling Rack with required UPS power	Cooling Rack shall Minimum width of 800 mm depth of 1200mm & 42U usable height.	1. Please clarify that is it required after placement of cooling unit, monitoring sensors & electrical power distribution box? 2. After corrigendum you have mentioned that UPS should be rack mountable so UPS takes 2 to 4U height so hereby request to kindly clarify the net usable height.	Total size of 42 U rack space is required with all items like cooling unit, UPS, electrical power distribution box etc.
36	Specifications of 42 U Cooling Rack with required UPS power	Front and rear steel door, provided with 3point handle security lock with unique /common key	In case of DC racks, front door should be glass door that helps to check the mounted devices condition. In this case you have asked front steel door. Hence, we would like to request to kind consider front glass door in place of steel door.	No change, as per RFP.

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37	Revised Specifications → Page No. 48, 52, 56, 60, 67, 68, 69. Price Bid & 2. SP/CP office-level storage with 18 Month storage capacity	Qty of 42 U Cooling Rack	As per quantity breakup of Server & Storage which are going to be deployed in 42U cooling racks is equal, but 42U cooling rack exceeding so we hereby requesting you to kindly clarify on the mentioned exceed quantity of 42U smart rack. So	No change, as per RFP.
38	Extension Request		We are working with OEM's on technical and competitive solution. In this process we and our OEM's need some more time to provide best competitive techno-commercial solution. Hence, we request you to extend the Bid submission date by at least 15 working days so that we can ensure our successful participation.	Please refer GIL and GeM websites for extension on the last date of bid submission
39	Revised Technical Specification-Layer-3 Fully Managed Switch	Multi-Gigabit Support- Yes/NO, Core Switch Should Supports SDN Openflow v1.3 and ONIE, IEEE 802.1Qbb Prioritybased Flow Control, OSPFv2/v3, MPLS, BGP4+, IEEE 802.3ah Ethernet Link OAM, IEEE 802.1ag, ITU-T Y.1731 Service OAM, Multicast VLAN, L3 Multicasting - IGMP v1/v2/v3 and PIM-SM.	Request/Modification = "Core Switch Should Supports SDN Openflow v1.3 and ONIE, IEEE 802.1Qbb Priority-based Flow Control, OSPFv2/v3, MPLS, BGP4+, Multicast VLAN, L3 Multicasting - IGMP v1/v2/v3 and PIM-SM." Justification = IEEE 802.3ah Ethernet Link OAM, IEEE 802.1ag ITU-T Y.1731 Service OAM protocols are not relevant for DC/Campus environment. These are instead used in metro ethernet use cases in <u>Service Provider</u> networks, Hence request you to kindly remove IEEE 802.3ah Ethernet Link OAM, IEEE 802.1ag ITU-T Y.1731 Service OAM .	No change, as per RFP.
40	Video Management Software	General: The VMS should support any ONVIF compliant IP Cameras and should support ONVIF Profile S, G, T.	The VMS should support any ONVIF compliant IP cameras and should support ONVIF Profile S / G / T.	No change, as per RFP.
41	16 Ch NVR with 12 TB Storage	Operating Temperature: 0-50 °C, should be Rack mount	Operating temperature should be allowed from 5 to 35 degree as NVR Specs is Server Grade Machine and NVR are not exposed to sunlight and are kept in control room with Controlled Temperature. Thus reducing to 35 Degrees will allow competition and remove restrictive parameters.	No change, as per RFP.

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42	16 Ch NVR with 16 TB Storage	Operating Temperature: 0-50 °C, should be Rack mount	Operating temperature should be allowed from 5 to 35 degree as NVR Specs is Server Grade Machine and NVR are not exposed to sunlight and are kept in control room with Controlled Temperature. Thus reducing to 35 Degrees will allow competition and remove restrictive parameters.	No change, as per RFP.
43	32 CH with 24 TB	Operating Temperature: 0-50 °C, should be Rack mount	Operating temperature should be allowed from 5 to 35 degree as NVR Specs is Server Grade Machine and NVR are not exposed to sunlight and are kept in control room with Controlled Temperature. Thus reducing to 35 Degrees will allow competition and remove restrictive parameters.	No change, as per RFP.
44	32 Ch 32 TB Hard Disk	Operating Temperature: 0-50 °C, should be Rack mount	Operating temperature should be allowed from 5 to 35 degree as NVR Specs is Server Grade Machine and NVR are not exposed to sunlight and are kept in control room with Controlled Temperature. Thus reducing to 35 Degrees will allow competition and remove restrictive parameters.	No change, as per RFP.
45	Annexure C Revised Technical Specification Server	6. Power supply: Support 2 Hot-Swappable Power supply in N+1 Mode or more	6. Power supply: Support 3 Hot-Swappable Power supply in N+1 Mode or more Server is one of the main hardware which will take the recording of all the cameras so avoid any failure at server end, better to have 3 power supply support so that Server will be in operational condition if 2 power supplies got failed at same time.	No change, as per RFP.
46	Annexure C Technical Specification Server	Additional Specification	Compatibility / Integration: Server & Storage should be from single OEM only for better integration This is always advisable to have Server & Storage from a single OEM for better integration as handshaking between Server & Storage is very much required as per the solution asked and some times integration having issues due to different OEMs and same issue can be happened during live scenario.	No change, as per RFP.
47	Annexure C Technical Specification 4.1 Storage (for Video's) Storage - 1PB/2PB	5. Storage Expansion Port per Controller: 2 x 12Gb SAS Mini-SAS (SFF-8644)	5. Storage Expansion Port per Device: 2 x 12Gb SAS Mini-SAS (SFF-8644) Request you to ask 2 SAS mini ports per device as most of the OEMs support 1 per controller or 2 per device. It'll increase the participations.	No change, as per RFP.

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48	Revised Technical Specification.pdf	The tool should have an integrated ITSM module which must be certified by PinkVerify for ITIL v3 on at least 05 ITIL processes and certificate must be provided on request. it should be possible to use the service management features like Incident Logging, Viewing, Assignment, Escalation, Reporting, SLA Management etc. in the Service Manager tool GUI. The integration should be bi-directional in nature.	<p>I would like to highlight some discrepancies laid down in the subjected RFP post latest corrigendum published on 11.05.2023 for EMS/NMS/ITSM Helpdesk Suite OEM eligibility criteria which are barring Make-in-India OEMs to participate in the subjected tender.</p> <p>Few restrictive clauses laid down in the RFP is highlighted below which was intentionally inserted in the latest corrigendum published to provide undue advantage to specific set of OEMs.</p> <ul style="list-style-type: none"> • (clause mentioned in Tender description). <p>As a part of "Make in India" initiative, MoUD has advised that restrictive clauses that work against the Indian companies should be modified or removed. Such conditions include - requirement of foreign certifications such as ITIL gold/Pink Verify, Gartner's magic quadrant, Forrester's wave, fixing the no. of deployments, no. of device license, type of sectors wherein the deployments have been done, cannot be put against local suppliers/OEMs. etc. referring attached office memorandum, Ref no.: P-45014/33/2021-BE-II (E-64737), dated: 20th December, 2022 from Govt. of India herewith in this regard.</p> <p>We request that a level playing field must be provided to Indian Start-up, MSME EMS companies to participate in the Government projects without requiring to foreign certifications.</p> <p>We are humbly requesting you to give fair chance to qualified & capable Indian OEM for participating in this RFP. We are looking forward to hear a positive reply from your side.</p> <p>Kindly support all Indian OEMs fairly and also support those Indian tax payers who have contributed to make India as dream nation.</p>	No change, as per RFP.
49	Page 20 of 23 Video Management Software: Video Search and retrieval	The VMS Application must Support for P2P Communication Model for Communication of the NVR & the VMS at the SP Offices. Any Additional Hardware & Software required for Achieving the P2P Communication Model has to be Considered as a part of the BID.	<p>The VMS Application must Support for P2P Communication Model for Communication of the NVR & the VMS at the SP Offices. This should be based on on standard ONVIF based open standard protocol. it cannot be proprietary based. Any Additional Hardware & Software required for Achieving the P2P Communication Model has to be Considered as a part of the BID.</p> <p>Currently clause is allowing proprietary communication instead of ONVIF Standard based communication between NVR and VMS. So request to consider Standard based communication between NVR and VMS. It should be similar way like Camera and VMS OR NVR which is based on standard ONVIF Standard Communicate.</p>	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
50	Page 20 of 23 Video Management Software: Security	The OEM of the proposed VMS should have certificate from CERT-IN empanelled Government auditors/ agencies to mitigate cyber security attacks as per OWASP Top 10 Vulnerabilities. And should have CERT-IN certificate before the date publishing of the RFP.	The OEM of the proposed VMS should have certificate from CERT-IN empanelled Government auditors/ agencies to mitigate cyber security attacks as per OWASP Top 10 Vulnerabilities. And should have CERT-IN certificate before the date of Supply of Software for the Bidder who won the Tender. Request to add Land Boarder Certificate along with the VMS Software supply. Security is evolving daily and CERT-IN Certificate before the date of Supply of Software is always recommended to have latest Security Audit received for the supplied Software. CERT_IN Certificate requirement before the Tender date is not providing software is audited with the latest's threats. Along with this OEM Should provide the Land Boarder Certificate as per the Security Guidelines.	No change, as per RFP.
51	Page 22 of 23 4.1 Storage (for Video's) Cache/Memory	64 GB per device and upgradable to 128 GB per device	64 GB per device and upgradable to 384 GB per device As a VMS Application provider and considering 18 Months of Storage. We would recommend to considered this clause. Based on our Application Understanding and Know how we believing Cache higher would be required while putting production or during operational needs. Request to remove the cap of 128GB.	No change, as per RFP.
52	Page 21 of 71 Centralized Network Health and Performance management at HQ level	All Clauses	This Clauses are clear on Network and Hardware Performance. We would request to include the Automated Application Monitoring as well. 1. VMS Should have capability to Monitoring each and every Video Stream written at Centralized Cluster Instance of VMS and provide report with the CRC Check or Playing Video Stream Automatically without Human Intervein. 2. VMS system should has rule based configuration to be allowed to manage and configure daily how many stream needs to be check automatically with playtime mention and should generate report on Dashboard Daily basis. All Global VMS are mainly storing Stream Data for maximum 120 Days. Here it has been asked for the 18 Months. So this is very important Monitoring point for Software Application like VMS which should be automated and gives real-time daily monitoring for the store records Data stream at VMS. This will allow Health and Performance monitoring of the recorded steam and give system level visibility that steam is able to play after it has been written on the large storage. This would allow to help at retrieval time and given data stored sanity. This should be automatics AI Based BOT or Applications which can enable this monitoring.	No change, as per RFP.
53	Revised Technical Specification.pdf	☑ Cooling Rack shall be rigid multi fold welded construction with steel frame architecture, should be made of 1.5 mm thickness for the better strength and sturdiness.	Pls amend as below : ☑ Cooling Rack shall be rigid multi fold welded OR CRCA construction with steel frame architecture, should be made of 1.5 mm thickness for the better strength and sturdiness. Each OEM have its own design for rack Enclosure	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
54	Revised Technical Specification.pdf	<p><input checked="" type="checkbox"/> Cooling Rack shall Minimum width of 800 mm depth of 1200mm & 42U usable height.</p> <p><input checked="" type="checkbox"/> Cooling Rack should be IP 54 or 55 Approved design.</p> <p><input type="checkbox"/> Vandal proof design. Inside of the Cabinet should not get an access without opening the Door lock with key.</p> <p><input type="checkbox"/> Cooling Rack/cabinet should be provided with thermal insulation.</p> <p><input type="checkbox"/> Front and rear steel door, provided with 3point handle security lock with unique /common key.</p> <p><input type="checkbox"/> Pad lock arrangement for secondary locking arrangement.</p> <p><input type="checkbox"/> Depth wise reversible 19" angles with U marking screen printed in Black color provided for equipment mounting.</p>	<p>Request you to amend as :</p> <p><input checked="" type="checkbox"/> Cooling Rack shall Minimum width of 800 mm depth of 1200mm & 42U usable height.</p> <p><input checked="" type="checkbox"/> Cooling Rack should be as per OEM Design</p> <p><input checked="" type="checkbox"/> Vandal proof design. Inside of the Cabinet should not get an access without opening the Door lock with key or through access control.</p> <p><input checked="" type="checkbox"/> Cooling Rack/cabinet should be provided with thermal insulation.</p> <p><input checked="" type="checkbox"/> Front and rear steel door, provided with 3point handle security lock with unique /common key.</p> <p><input checked="" type="checkbox"/> 19" angles with U marking screen printed in Black color provided for equipment mounting.</p> <p>IP 54 protection is recommended for outdoor application . Further , it is specific to single OEM .</p> <p>For Such Rack Cable Entry is required eatiehr from Bottom or Top so it is difficut to give IP rating of IP54 or IP 55 in such conidition. We cover cbale entry points with Brush gormet.</p>	No change, as per RFP.
55	Revised Technical Specification.pdf	<p><input checked="" type="checkbox"/> 10 Nos. of Metallic cable loops shall be provided for routing the cables.</p> <p><input type="checkbox"/> Bidder has to consider 5/15Amp Indian Socket Power distribution Unit with 16 Amp MCB, and vertical 32A, Single Phase, C13 Sockets and C19 Sockets PDU with 32A MCB. The asked PDU is indicative requirement within rack. However, bidder has to propose PDU as per their propose solution</p>	<p>Request you to amend as :</p> <p><input checked="" type="checkbox"/> 10 Nos. of Metallic cable loops OR Cable Manager shall be provided for routing the cables.</p> <p><input checked="" type="checkbox"/> Bidder has to consider 5/15Amp Indian Socket Power distribution Unit with 16 Amp MCB, and vertical 32A, Single Phase, C13 Sockets and C19 Sockets PDU with 32A MCB. The asked PDU is indicative requirement within rack. However, bidder has to propose PDU as per their propose solution</p>	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
56	Revised Technical Specification.pdf	<p>☑ PU Molded non removable gasket arrangement provided at door on sealing of dust & water</p> <p>☑ Rack/Cabinet shall be provided with split type yellow /green earthing leads for earth continuity.</p> <p>☑ Pure Polyester Nano Ceramic Powder coating.</p> <p>☑ SI/Bidder has to consider minimum 7KW or higher cooling unit capacity with reference to their IT product which are going to install in the Data Center Rack. In case if there is required additional rack space to address the solution, bidder/SI has to consider additional Data Center Rack with rack coupling kit and address to additional cooling requirement. Built in cooling unit should be rated Inlet Temp of 22 +/- 1 Degree Centigrade considering minimum Ambient Temperature of 45 Degree Centigrade w.r.t peak summer/weather conditions of Gujarat State. Bidder has to consider raw electric power distribution box and electrical cabling for the cooling unit.</p>	<p>☑ Rack/Cabinet shall be provided with split type yellow /green earthing leads for earth continuity OR as per OEM Design</p> <p>☑ Pure Polyester Nano Ceramic Powder coating OR Epoxy polyester powder coated</p>	No change, as per RFP.
57	Revised Technical Specification.pdf	<p>☑ Compressor should be inverter type for better energy efficiency, with HMI screen management for temperature, humidity, leakage, smoke and critical parameters status.</p>	<p>Pls amend as :</p> <p>☑ Compressor should be inverter / digital type for better energy efficiency, with IP based remote monitoring for temperature, humidity, leakage, smoke and critical parameters status.</p> <p>With Digital scroll compress you can achive step less capacity modulation which is better then inverter type.</p>	No change, as per RFP.
58	Revised Technical Specification.pdf	<p>☑ Rear Door automatic opening system shall be provided for the emergency or event of cooling failure, unavailability of electricity or overheat above the standard threshold limits. Also acoustic alarm and visual indication should be provided.</p>	<p>Pls amend as :</p> <p>☑ Rear/Front Door automatic opening system shall be provided for the emergency or event of cooling failure, unavailability of electricity or overheat above the standard threshold limits. Also acoustic alarm and visual indication should be provided.</p>	No change, as per RFP.
59	Revised Technical Specification.pdf	<p>☑ Data Center cooling rack should be supplied with required UPS power backup. The UPS Should be rack mountable minimum 6KVA or higher capacity considering to bear the actual induction load of all the equipment installed under the rack (like server, storage, etc.) for Minimum 1 Hour backup with full load.</p>		Query is not clear
60	Revised Technical Specification.pdf	<p>☑ Bidder has to submit actual Rack space, cooling, UPS power load calculations for each location.</p>		Query is not clear
61	Revised Technical Specification.pdf	<p>☑ UPS should be rack mounted and batteries should be placed outside the rack on separate battery rack.</p>		Query is not clear

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
62	Revised Technical Specification.pdf	Location wise placement of 42U Cooling rack vary, distance between Indoor unit and outdoor unit may vary and goes up to 30 meters so please consider piping distance along with Civil, Electrical and GI cable tray accordingly. It is preferable vertical mount and lowest foot print of cooling unit to get maximum usable space within the rack.		Query is not clear
63	Revised Technical Specification.pdf	43. Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	<p>As UL 62368-1 / IEC 62368-1 is a new certification in the surveillance industry in India. However, there are specific OEM has opted safety certificate from the specific testing LAB inline with IEC 62368-1. The said certificate or test report has not yet been made mandatory for all MII products or OEM and this requires time to opt this certificate in the name of the OEM followed by the test procedure of IEC 62368-1 for every product.</p> <p>Since this is a specialized certificate and test done by specific LAB in India for very limited OEM, hence, this makes this tender restrictive. Therefore, it is requested that the standard BIS prevailing in India should be considered at the time of bidding and if the specialized test is required to be conducted for any operational requirement, then other OEM should be allowed to opt and submit the same at the time of Bidding or at the time of supply of material.</p> <p>Hence, it is requested to amend the certification requirement to allow other OEM(s) participate in this tender.</p> <p>Recommendation: 43. Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP bid submission or at the time of supply.</p>	No change, as per RFP.
64	Revised Technical Specification.pdf	43. Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	As Above	No change, as per RFP.
65	Revised Technical Specification.pdf	43. Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS, NEMA 4X. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	As Above	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
66	Revised Technical Specification.pdf	43. Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS, NEMA 4X. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	As Above	No change, as per RFP.
67	Revised Technical Specification.pdf	6. IR illumination Range(mtr): 50	For indoor operation 50 Mtr. IR range is not required. Also, in other dome camera it is mentioned as 30 Mtr. IR range. As per industry standard the IR range in dome camera is up to 30 - 40 Mtr. Hence, it is requested to amend this specification to 30 Mtr. IR range. Recommendation: 6. IR illumination Range(mtr): 50-30	No change, as per RFP
68	Revised Technical Specification.pdf	OEM /Bidder Experience: OEM/Bidder Past Performance: IP CCTV Camera OEM {themselves or through re-seller(s)}/ Bidder should have supplied same or similar Category Products i.e. 1000 IP CCTV Camera quantity single order, in at least one of the last three Financial years before the bid opening date to any Central / State Govt. Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year.	Since the volume of cameras required in the tender is very high, and the strength of production and supply of the selected OEM should be evaluated at the stage of OEM pre-qualification. Hence, it is better to increase the number of cameras up to 80% of the requirement as per RFP Requirement. Recommendation: OEM /Bidder Experience: OEM/Bidder Past Performance: IP CCTV Camera OEM {themselves or through re-seller(s)}/ Bidder should have supplied same or similar Category Products i.e. 1000 IP CCTV Camera quantity minimum 80% of the RFP quantity in a single order, in at least one of the last three five Financial years before the bid opening date to any Central / State Govt. Organization / PSU / Public Listed Company. Copies of relevant contracts / Supply (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year.	No change, as per RFP
69	Additional	New Clause	a) The OEM of IP Camera should be an affiliated Industry Training Partner of active and approved security training council of NSDC. The Bidder shall submit a copy of documentary evidence of certificate of affiliation / MoU / relevant supporting document issued by the council. And the OEM should have minimum 2 No(s) of technical resource certified by Camera OEM under the skill development program of NSDC. The certificate may be verified with relevant issuing authority.	No change, as per RFP
70	Additional	New Clause	b) The OEM of the IP camera must have more than 500 employees on its payroll in India. Any OEM which is a part of a larger group company but meeting the 500-employee criteria in India is also eligible. This is to justify that CCTV OEM has made investment in India and is serious about its business in India which will ensure long term after sales support and spare support from the OEM. Respective document/ certificate / undertaking from HR of the OEM organization to be submitted.	No change, as per RFP

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
71	6 Supported Network Protocol	SMB/CIFS, NFS/FTP/WebDAV, FC, iSCSI etc	<p>Change / Removal of Clause SMB/CIFS /NFS/FTP/WebDAV /FC / iSCSI</p> <p>Justification</p> <p>The protocol is defined by the VMS software and not a prerogative of Storage hence, rewrite this as SMB/CIFS /NFS/FTP/WebDAV /FC / iSCSI etc.</p>	No change, as per RFP
72	RAID configuration	1 , 5, 6, 50,60 & Hot-spare support from day-1	<p>Change / Removal of Clause Storage should support all Industry Standard RAID configuration like RAID 1+0, 5 and 6 & Hot-spare supported from day-1</p> <p>Justification</p> <p>RAID 1, 50,60 is not Industry Standard RAID configuration and not use in enterprise class storage</p>	No change, as per RFP.
73	General Features	Should support Write Once Read Many (WORM) feature	<p>Change / Removal of Clause WORM feature should be provided with the overall solution.</p> <p>Justification</p> <p>The storage is going to be used for video streaming and the WORM feature will be applicable or taken care by VMS software, hence, please remove this feature.</p>	No change, as per RFP
74	Pange no 13 of Annexure C Revised Technical Specification 42 U Cooling Rack with required UPS power	Cooling Rack shall Minimum width of 800 mm depth of 1200mm & 42U usable height.	As per technical specs and corrigendum UPS shall be rack mountable, However UPS takes 2U to 4U heights depends to OEM design so 42U usable height cannot be possible after placement of UPS so hereby request to clarify that UPS shall be included or excluded in 42U usable height.	UPS shall be included in 42U usable height Total size of 42 U rack space is required with all items like cooling unit, UPS, electrical power distribution box etc.
75	Pange no 13 & 14 of Annexure C Revised Technical Specification 42 U Cooling Rack with required UPS power	SI/Bidder has to consider minimum 7KW or higher cooling unit capacity with reference to their IT product which are going to install in the Data Center Rack. In case if there is required additional rack space to address the solution, bidder/SI has to consider additional Data Center Rack with rack coupling kit and address to additional cooling requirement. Built in cooling unit should be rated Inlet Temp of 22 +/- 1 Degree Centigrade considering minimum Ambient Temperature of 45 Degree Centigrade w.r.t peak summer/weather conditions of Gujarat State. Bidder has to consider raw electric power distribution box and electrical cabling for the cooling unit.	<p>Point no:1, As technical specification stating that "minimum 7KW or higher cooling unit capacity with reference to their IT product which are going to install in the Data Center Rack. In case if there is required additional rack space to address the solution, bidder/SI has to consider additional Data Center Rack with rack coupling kit and address to additional cooling requirement" and "bidder has to submit actual Rack space, cooling, UPS and power load calculation for each location"</p> <p>Point No:2, As we have been recieved the input from varius prospect participant bidders/OEMs that Server and Storage's RackU space, power and cooling requirement is different and in some ideal scenario server with either 1 PB storage or 2PB Storage can be fit in single rack also.</p> <p>So in this RFP, Nos of 42U cooling rack with required UPS should be less than mentioned qty in each cluster/price bid. This reduction in qty helps department to save the cost.</p> <p>So we hereby request to consider and amend as "Qty requirement against each cluster shall be equal to Server with storage qty and consider as set/lot (set/lot can has 1 or more rack with required actual, rack space, power and cooling) rather than numbers.</p>	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
76	Page no 13 & 14 of Annexure C Revised Technical Specification 42 U Cooling Rack with required UPS power	Bidder has to submit actual Rack space, cooling, UPS power load calculations for each location.	As Above	No change, as per RFP.
77	Page No 48 of Revised SOW Price bid cluster 1: Sr No 25, 42 U Cooling Network Rack with required UPS load Page no 67 of 2.1 Cluster-I	42 U Cooling Network Rack with required UPS load with required qty : 62 Nos	We hereby request to consider and amend the Price bid at page no 48 and page no 67 as 27 Set/lot	No change, as per RFP.
78	Page No 52 of Revised SOW Price bid cluster 2: Sr No 27, 42 U Cooling Network Rack with required UPS load Page no 68 of 2.2 Cluster-II	42 U Cooling Network Rack with required UPS load with required qty : 51 Nos	We hereby request to consider and amend the Price bid at page no 52 and page no 68 as 21 Set/lot	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
79	Page No 56 of Revised SOW Price bid cluster 3: Sr No 27, 42 U Cooling Network Rack with required UPS load Page no 68 of 2.3 Cluster-III	42 U Cooling Network Rack with required UPS load with required qty : 48 Nos	We hereby request to consider and amend the Price bid at page no 56 and page no 68 as 22 Set/lot	No change, as per RFP.
80	Page No 60 of Revised SOW Price bid cluster 4: Sr No 27, 42 U Cooling Network Rack with required UPS load Page no 69 of 2.4 Cluster-IV	42 U Cooling Network Rack with required UPS load with required qty : 22 Nos	We hereby request to consider and amend the Price bid at page no 60 and page no 69 as 10 Set/lot	No change, as per RFP.
81	Last Date of Submission	Date: 26-05-2023, Time: 15:00:00	We hereby request to extend the RFP atleast 3 to 4 weeks so we can design, develop and deliver the actual required solution for prospect bidder/OEM	Please refer GIL and GeM websites for extension on the last date of bid submission
82	Revised Technical Specification- Layer-3 Fully Managed Switch	Multi-Gigabit Support- Yes/NO, Core Switch Should Supports SDN Openflow v1.3 and ONIE, IEEE 802.1Qbb Prioritybased Flow Control, OSPFv2/v3, MPLS, BGP4+, IEEE 802.3ah Ethernet Link OAM, IEEE 802.1ag, ITU-T Y.1731 Service OAM, Multicast VLAN, L3 Multicasting - IGMP v1/v2/v3 and PIM-SM.	<u>Please remove following:</u> "SDN Openflow v 1.3 and ONIE, IEEE 802.1Qbb Priority-based Flow Control, MPLS, IEEE 802.3ah Ethernet Link OAM, IEEE 802.1ag, ITU-T Y.1731 Service OAM, Multicast VLAN"	No change, as per RFP.
83	Bullet camera	Focal Length(mm) - 2.8 – 12	Focal Length(mm) - 2.8 - 3.0 ~ 9-12 MM We request change as there is no technical implication in system requirement as camera will be in wide angle in most of the cases to cover larger wide view.	No change, as per RFP.
84	Dome camera	Focal Length(mm) - 2.8 – 12	Focal Length(mm) - 2.8 - 3.0 ~ 9-12 MM We request change as there is no technical implication in system requirement as camera will be in wide angle in most of the cases to cover larger wide view.	No change, as per RFP.
85	Dome camera for costal area police station	Focal Length(mm) - 2.8 – 12	Focal Length(mm) - 2.8 - 3.0 ~ 9-12 MM We request change as there is no technical implication in system requirement as camera will be in wide angle in most of the cases to cover larger wide view.	No change, as per RFP.
86	Bullet camera for costal area police station	Focal Length(mm) - 2.8 – 12	Focal Length(mm) - 2.8 - 3.0 ~ 9-12 MM We request change as there is no technical implication in system requirement as camera will be in wide angle in most of the cases to cover larger wide view.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
87	Technical Specification Bullet Camera Point no.9	Video Compression: H.265, H.264 (The camera OEM Should be a genuine manufacturer and should be an official valid H.265 HEVC licensee and should be listed on HEVC website at the time of submitting bid)	H.265, H.264	No change, as per RFP.
88	Technical Specification Bullet Camera Point no.46	Undertaking: The MAC ID's of the CCTV Cameras to be supplied against this tender shall be registered in the name of the OEM of the CCTV Cameras.	Remove this Point	No change, as per RFP.
89		The OEM of CCTV Camera should be a member of ONVIF and quoted models should be listed on official website of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	The OEM of CCTV Camera should be a member of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	No change, as per RFP.
90	Technical Specification Dome Camera Point no.9	Video Compression: H.265, H.264 (The camera OEM Should be a genuine manufacturer and should be an official valid H.265 HEVC licensee and should be listed on HEVC website at the time of submitting bid)	H.265, H.264	No change, as per RFP.
91	Technical Specification Dome Camera Point no.46	Undertaking: The MAC ID's of the CCTV Cameras to be supplied against this tender shall be registered in the name of the OEM of the CCTV Cameras.	Remove this Point	No change, as per RFP.
92		The OEM of CCTV Camera should be a member of ONVIF and quoted models should be listed on official website of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	The OEM of CCTV Camera should be a member of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	No change, as per RFP.
93	Technical Specification Bullet camera for costal area police station Point no.9	Video Compression: H.265, H.264 (The camera OEM Should be a genuine manufacturer and should be an official valid H.265 HEVC licensee and should be listed on HEVC website at the time of submitting bid)	H.265, H.264	No change, as per RFP.
94	Technical Specification Bullet CameraBullet camera for costal area police station Point no.46	Undertaking: The MAC ID's of the CCTV Cameras to be supplied against this tender shall be registered in the name of the OEM of the CCTV Cameras.	Remove this Point	No change, as per RFP.
95		The OEM of CCTV Camera should be a member of ONVIF and quoted models should be listed on official website of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	The OEM of CCTV Camera should be a member of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	No change, as per RFP.
96	Technical Specification Dome camera for costal area police station Point no.9	Video Compression: H.265, H.264 (The camera OEM Should be a genuine manufacturer and should be an official valid H.265 HEVC licensee and should be listed on HEVC website at the time of submitting bid)	H.265, H.264	No change, as per RFP.
97	Technical Specification Dome CameraBullet camera for costal area police station Point no.46	Undertaking: The MAC ID's of the CCTV Cameras to be supplied against this tender shall be registered in the name of the OEM of the CCTV Cameras.	Remove this Point	No change, as per RFP.
98		The OEM of CCTV Camera should be a member of ONVIF and quoted models should be listed on official website of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	The OEM of CCTV Camera should be a member of ONVIF. The CCTV OEM should not be suspended/ blacklisted by ONVIF.	No change, as per RFP.
99	3. Eligibility Criteria, PQ.7 OEM Presence -Eligibility Criteria	OEMs of proposed equipment/components (CCTV Camera & VMS) should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five (5) years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered.	OEMs of proposed equipment/components (CCTV Camera & VMS) should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last four (4) years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
100	Cluster-1 BOQ, Point Number 19,22,23	As per Boq in Point number 19 there is 27 servers considered accordingly in point number 22 There is 27 VMS base License Cosidered for 4480 camera license of point 23. Means 4480/27= 166 cameras on each server. Technically when we are running cameras on Full HD ,25 FPS , H.264/H.265 Compression Codec each camera will take bandwidth of 4 Mbps approx.For 166 cameras its around 664 Mbps which is not achievable with 2 gb graphics card also server cannot process that much amount of cameras at the same Time	As per My recommendation consider 128 License maximum on each server for Better performance and results .Means 4480/128=35 We have need to consider 35 Servers instead of 27 Servers . Same way in Cluster 1-4.	No change, as per RFP.
101	Additional	Additional	This is larger bid, we request you to kindly extend the bid submission date for 10-12 days' time from the current bid submission date.	Please refer GIL and GeM websites for extension on the last date of bid submission
102	Additional	Additional	CCTV experience asked from the OEM/Bidder. Please confirm whether OEM or Bidder will be responsible for end to end project. If Bidder is responsible, then Experience should be asked from the bidder.	No change, as per RFP.
103	Additional	Additional	We request you to extend the bid submission date for 10-15 days' time.	Please refer GIL and GeM websites for extension on the last date of bid submission
104	Additional	Additional	We request you to kindly remove the Reverse Auction.	No change, as per RFP.
105	Page-9, Scope of work	OEM of the offered product (CCTV camera) should have the minimum average annual financial turnover of Rs. 200 crore during the last three years (2018- 19, 2019-20 and 2020-21) in India or Globally	Sir, we would like to let you know that in a very recent GIL/GeM tenders, there were no turn over criteria for the OEMs have been asked, even though they were very strict environmental based project like VISWAS, there is no turnover has been asked for OEM. In most of the smart cities & safe cities tenders in India only System Integrator's turn overs have been asked. Therefore we request you to kindly consider the position of removing the clause OR if not at least revise it with 50Cr. turn over so that the serious players from this industry can participate	No change, as per RFP.
106	Annexure C, Technical Specification	Certification: FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	Regarding the cyber security requirements, it has been requested that the certificate be received prior to the date of publication of the RFP; however, we understand that the certificate can be obtained on OR prior to the Bid submission. Therefore, we request you consider it "on OR before the Bid submission" so that it allows more participation and Govt. of Gujarat can have the advantage of best product in terms of price & quality.	No change, as per RFP.
107	Additional	Additional	1. "CCTV OEM must have installed cameras in minimum 1000 police stations cumulatively in 4 states in India and shall be under warranty period for at least 2 years"	No change, as per RFP.
108	Additional	Additional	2. We would also like to recommend to add some criteria for VMS to have the fair competition that OEM of VMS should have supplied server based VMS with minimum of 2000 licenses in last 2 years"	No change, as per RFP.
109	Technical Specification – Bullet Camera and Bullet camera for Coastal Area	Focal Length: 2.8 – 12 mm	As different OEMs have different focal length parameter based on sensor size, we request to allow various lens options like 3 to 9 mm / 4 to 10 mm / 2.8 to 12 mm or better, along with Wide FOV of 90° or 100°. As different OEMs have different focal length parameter based on sensor size, which matches the required Field of View with different focal length, and it is functionally complied to your requirement. We request the TENDERER to add the Resultant Field of View as required by the application for e.g., Wide FOV of 90° or 100° to allow more reputed OEMs to propose. Please refer UP Police tender	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
110	Technical Specification – Dome Camera and Dome Camera for Coastal Area	Focal Length: 2.8 – 12 mm	Fixed focal length lens (3 mm or better) for Dome cameras inside the police station rooms and closed areas, providing at least 90° HFOV (horizontal field of view). As per the Typical Layout of Police Stations, Dome cameras are envisaged for monitoring closed limited spaces like Male/ Female Lockup rooms, Server rooms etc. where the area to cover is not dynamic, varifocal lens would not be necessary as change in Field of View is not used. Therefore, we request the TENDERER to relook at this point and allow for Fixed Focal length lens (3 mm or better) while mentioning wide angle Horizontal FOV of at least 90° or 100° suitable for covering these rooms.	No change, as per RFP.
111	Technical Specification – Dome Camera & Dome Camera for Coastal Area	Focal Length: 2.8 – 12 mm	As different OEMs have different focal length parameter based on sensor size, we request to allow various lens options like 3 to 9 mm / 4 to 10 mm / 2.8 to 12 mm or better, along with Wide FOV of 90° or 100°. As different OEMs have different focal length parameter based on sensor size, which matches the required Field of View with different focal length, and it is functionally complied to your requirement. We request the TENDERER to add the Resultant Field of View as required by the application for e.g., Wide FOV of 90° or 100° to allow more reputed OEMs to propose. Please refer UP Police station tender	No change, as per RFP.
112	Technical Specification – Bullet, Dome camera for Coastal Area Police station		Please add NEMA TS2 approval or certificate for camera's endurance ability to withstand vibration (due to coastal winds), shock, impacts. We request the TENDERER to include the specifications for Coastal Area Police station cameras and to consider NEMA 4X, NEMA TS 2 certifications for the same which are meant for camera's endurance ability to withstand extreme weather conditions like heavy winds that can cause vibration, shock & impacts.	No change, as per RFP.
113	Technical Specification- for all cameras		Edge Based analytics- Configurable Virtual Zoning for edge analytics - Object based Motion detection, Loitering and Line Cross detection. For sensitive areas like lockup rooms, PSO room, gates configurable virtual zones in the camera's Field of View will help in greatly reducing false alarms and bringing the attention to only actual alarming incidents happening in the scene: To prevent Custodial death, sabotage/ vandalism of station premises etc.	No change, as per RFP.
114		The above storage and server requirements are minimum indicative requirement. The bidders are advised to carry out a detailed assessment of the storage and server requirements to fulfill the objectives of this RFP. Any additional storage or server requirements for the same as a part of solution. The same has to be managed by the bidder at no additional cost to the tenderer. 2. The storage calculation has been done considering usable storage capacity for 25 fps, 1920x1080 resolution, H.265 compression and 24 hrs per day.	Bidder to submit Storage calculation for cameras proposed with camera edge level compression techniques and same will be verified during POC or demonstration and if storage requirement found more than quoted in tender then Bid will be outrightly rejected. We would request to note that different cameras have edge compression techniques working on top of H.265/ H.264 which optimizes the bitrate & storage consumption to a larger extent which could optimize the storage and server infrastructure at local PS and SP/ CP offices. We request the TENDERER to consider this functionality and consider the Merits of different OEMs in storage optimizing capability. As you are well aware that in this tender 18 months recording is required at SP/CP office so storage requirement is very huge in tune of 145 PB and as per our calculation we will require around 115 PB so there is a saving of minimum 30 PB and 1PB cost approx. 1Cr so total saving of around 30 Cr which is very substantial for Gujarat Govt. Please note that this feature of storage optimisation over H.265 is not unique to only Axis other reputed OEM's brands viz. Bosch, Panasonic(lpro), Hanwha and other reputed OEM's are also providing this type of feature.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
115		The cameras offered must be cyber security certified with NDAA/UL Cyber security certificate/GDPR/NIST/TPM/Cybersecurity Chipset/ ISO 27032 /Any other cyber security certificate from Indian Government body for mitigating cyber security risk.	<p>The offered cameras should be fully NDAA Complied.</p> <p>We request to Add NDAA compliance for all the offered cameras in Tender. NDAA compliance ensures that the video and telecommunication equipment are NOT from certain blacklisted/suspicious companies & their subsidiaries. This will ensure the products are of top quality.</p> <p>NDAA compliances are being incorporated in other Défense, Airports and other Govt tender as well. Please find some of the tenders for your reference.</p> <p>Also, ISO 27032 and GDPR certificates are process certificates and its not related to product so its defeats and dilutes your desire to have a Cyber Secured product.</p>	No change, as per RFP.
116	Additional	3.5. General Requirements for IP Video Surveillance / CCTV System at all police stations (existing and new) and branch offices (SOG, DCB, LCB, LIB, Cyber Police stations)	<p>(1)Camera should validate boot signature before loading (2)Camera should have signed firmware (3)Camera should have signed Video To strengthen Cyber Security norms these clauses are added</p> <p>-Boot Signature guarantees that the cameras are only starts up with non-tampered firmware. -Signed Firmware protocol guarantees that firmware hasn't been compromised and only authorised firmware is installed in cameras. - Signed video protocol preserve trust in video by verifying video authenticity in case of investigations. OEM shall furnish an undertaking / certificate signed by OEM / OEM representative having POA on the OEMs letter head and same can be verified during POC.</p>	No change, as per RFP.
117	Additional		<p>Vulnerability Assessment and Penetration Testing (VAPT) of quoted Cameras Software/Firmware by any Globally reputed agencies in Cyber security Audit or STQC in India</p> <p>This Cyber Security Clause is coming in most of Govt. Tenders viz. Railways, Metros and AAI to avoid gaining backdoor entry access into the camera and access sensitive & crucial video footage to external spying agencies & Chinese govt. agencies.</p>	No change, as per RFP.
118	Technical Specification – Dome Camera & Bullet Camera ,Dome Camera & Bullet camera for Coastal Area	Video Streaming- Triple Compressed Stream	<p>As per our understanding and specs, tenderer is looking for 3 Nos, individually configurable streams in H.265 @ 1920 x 1080(2MP) & 25 Fps</p> <p>This is required as one stream for recording at Individual police station, One for Viewing at respective Police station and one for running analytics on cameras or remote viewing at full resolution or at reduced resolution to optimise bandwidth.</p>	No change, as per RFP.
119	Technical Specification – Dome Camera & Bullet Camera ,Dome Camera & Bullet camera for Coastal Area	Audio All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	<p>External or Internal Microphone</p> <p>Audio with inbuilt microphone is very unique to 1-2 OEM's and it will restrict competition, also functionality wise its not proper solution as if mic is installed inside Camera then it will be minimum 10 ft away from ground where people are there and whose speech need to be captured. In this case other noise will be also captured which will be near to mic like Fan or any other source. This was exact reason in present installations microphones are installed near to ground. Also option for two microphone -One inbuilt and one external for one camera is not clear functionality wise and practically its not feasible as per our best of knowledge.</p>	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
120	Bullet camera for costal area police station	IP67 with extra corrosion proof coating with Die Cast Aluminum or better material coating of corrosion proof material as per C3 corrosively category.	IP66 with extra corrosion proof coating with Die Cast Aluminum or better material coating of corrosion proof material as per C3 corrosively category. IP67 is required for water submersed conditions whereas in Police station camera will be installed outdoor but not under water, hence we request to accept IP66 instead of IP67.	No change, as per RFP.
121	Dome camera for costal area police station	IP67 with extra corrosion proof coating with Die Cast Aluminum or better material coating of corrosion proof material as per C3 corrosively category.	IP66 with extra corrosion proof coating with Die Cast Aluminum or better material coating of corrosion proof material as per C3 corrosively category. IP67 is required for water submersed conditions whereas in Police station camera will be installed outdoor but not under water, hence we request to accept IP66 instead of IP67.	No change, as per RFP.
122	All cameras	All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	All type of IP camera has inbuilt mic or connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1. We request to consider one audio input as a solution either inbuilt mic or external mic as to record the audio.	No change, as per RFP.
123	Page No.2 of 23 Annexure C- Technical Specifications- Bullet Camera	44. Audio- All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	The specification mention requirement of Inbuilt Mic and connectivity option for external mic both at same time which is not available generally in cameras from reputed OEMs. Please make this both optional as Inbuilt Mic or External Mic.	No change, as per RFP.
124	Page No.2 of 23 Annexure C- Technical Specifications- Bullet Camera	43. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL- approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	1. Looking the project size and maintenance for period of 5 years we request to make UL Listing mandatory for all the cameras, this will ensure product quality. Also Make in India and UL certification are not relevant therefore making it optional in case of Make in India is not justified. 2. Also we request to amend the clause "certification from a NABL- approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
125	Page No.4 of 23 Annexure C- Technical Specifications- Dome Camera	43. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL- approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	1. Looking the project size and maintenance for period of 5 years we request to make UL Listing mandatory for all the cameras, this will ensure product quality. Also Make in India and UL certification are not relevant therefore making it optional in case of Make in India is not justified. 2. Also we request to amend the clause "certification from a NABL- approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
126	Page No.4 of 23 Annexure C- Technical Specifications- Dome Camera	44. Audio- All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	The specification mention requirement of Inbuilt Mic and connectivity option for external mic both at same time which is not available generally in cameras from reputed OEMs. Please make this both optional as Inbuilt Mic or External Mic.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
127	Page No.5 of 23 Annexure C- Technical Specifications- Bullet Camera for Coastal area	43. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	1. Looking the project size and maintenance for period of 5 years we request to make UL Listing mandatory for all the cameras, this will ensure product quality. Also Make in India and UL certification are not relevant therefore making it optional in case of Make in India is not justified. 2. Also we request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
128	Page No.6 of 23 Annexure C- Technical Specifications- Bullet Camera for Coastal area	44. Audio- All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	The specification mention requirement of Inbuilt Mic and connectivity option for external mic both at same time which is not available generally in cameras from reputed OEMs. Please make this both optional as Inbuilt Mic or External Mic.	No change, as per RFP.
129	Page No.7 of 23 Annexure C- Technical Specifications- Dome Camera for Coastal area	43. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS. Note: In case of Make in India Product UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP	1. Looking the project size and maintenance for period of 5 years we request to make UL Listing mandatory for all the cameras, this will ensure product quality. Also Make in India and UL certification are not relevant therefore making it optional in case of Make in India is not justified. 2. Also we request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
130	Page No.7 of 23 Annexure C- Technical Specifications- Dome Camera for Coastal area	44. Audio- All type of IP camera has inbuilt mic and connectivity option for external mic in the supplied camera from day1. Bidder should ensure that audio recording should be happen along with video on storage device from day 1	The specification mention requirement of Inbuilt Mic and connectivity option for external mic both at same time which is not available generally in cameras from reputed OEMs. Please make this both optional as Inbuilt Mic or External Mic.	No change, as per RFP.
131	Page No.8 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 12 TB Storage	1. 16 Channels or better NVR with supports up to 8 SATA hard drives each support up to 10TB, should be loaded with 12 TB Capacity of HDDs. Should support RAID 0/1/5/6/10. Shouls have the option to increase 25% extra cameras in same NVR without adding any additional hardware.	1. The specifications ask for 16 Ch NVR in which HDD capacity is ask for 10 TB and loading is 12 TB. We understand irrespective of storage calculation we need to supply NVR with 12 TB HDD please confirm. 2. The specification ask for 25% extra cameras by which we understand we need to consider minimum 20 Ch NVR as in our embedded NVR we cannot expand the ch capacity. Please confirm.	No change, as per RFP.
132	Page No.8 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 12 TB Storage	5. Support ONVIF S, G & T and above cameras, should support Remote live view and remote playback	Our offered NVR supports ONVIF S and is compatible with proposed cameras. Request you to kindly eliminate ONVIF G&T from specification as this in NOT available in reputed OEM's NVR.	No change, as per RFP.
133	Page No.8 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 12 TB Storage	9. Should support ANR and Pre/Post recording	By ANR we understand Automatic Network Failover Recovery. This feature is supported with Server-Software offering in major reputed OEM's and Not with NVR offering. Therefore kindly eliminate this specification.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
134	Page No.8 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 12 TB Storage	10. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS certified at the time of bidding. The OEM should have ISO 9001:2008 or latest and ISO 14001:2004 or latest certificate for Manufacturing. In case of Make in India Product UL certification is not required, however, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1)before the date of publishing of the RFP.	We request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
135	Page No.9 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 16 TB Storage	1. 16 Channels or better NVR with supports up to 8 SATA hard drives each support up to 10TB, should be loaded with 16 TB Capacity of HDDs. Should support RAID 0/1/5/6/10. Shouls have the option to increase 25% extra cameras in same NVR without adding any additional hardware.	1. The specifications ask for 16 Ch NVR in which HDD capacity is ask for 10 TB and loading is 16 TB. We understand irrespective of storage calculation we need to supply NVR with 16 TB HDD please confirm. 2. The specification ask for 25% extra cameras by which we understand we need to consider minimum 20 Ch NVR as in our embedded NVR we cannot expand the ch capacity. Please confirm.	No change, as per RFP.
136	Page No.9 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 16 TB Storage	5. Support ONVIF S, G & T and above cameras, should support Remote live view and remote playback	Our offered NVR supports ONVIF S and is compatible with proposed cameras. Request you to kindly eliminate ONVIF G&T from specification as this in NOT available in reputed OEM's NVR.	No change, as per RFP.
137	Page No.9 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 16 TB Storage	9. Should support ANR and Pre/Post recording	By ANR we understand Automatic Network Failover Recovery. This feature is supported with Server-Software offering in major reputed OEM's and Not with NVR offering. Therefore kindly eliminate this specification.	No change, as per RFP.
138	Page No.9 of 23 Annexure C- Technical Specifications- 16 CH Network Video Recorder with 16 TB Storage	10. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS certified at the time of bidding. The OEM should have ISO 9001:2008 or latest and ISO 14001:2004 or latest certificate for Manufacturing. In case of Make in India Product UL certification is not required, however, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1)before the date of publishing of the RFP.	We request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
139	Page No.9 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 24 TB Storage	1. 32 Channels or better NVR with supports up to 8 SATA hard drives each support up to 10TB, should be loaded with 24 TB Capacity of HDDs. Should support RAID 0/1/5/6/10. Shouls have the option to increase 25% extra cameras in same NVR without adding any additional hardware.	1. The specifications ask for 32 Ch NVR in which HDD capacity is ask for 10 TB and loading is 24 TB. We understand irrespective of storage calculation we need to supply NVR with 24 TB HDD please confirm. 2. The specification ask for 25% extra cameras by which we understand we need to consider minimum 40 Ch NVR as in our embedded NVR we cannot expand the ch capacity. Please confirm.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
140	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 24 TB Storage	5. Support ONVIF S, G & T and above cameras, should support Remote live view and remote playback	Our offered NVR supports ONVIF S and is compatible with proposed cameras. Request you to kindly eliminate ONVIF G&T from specification as this is NOT available in reputed OEM's NVR.	No change, as per RFP.
141	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 24 TB Storage	9. Should support ANR and Pre/Post recording	By ANR we understand Automatic Network Failover Recovery. This feature is supported with Server-Software offering in major reputed OEM's and Not with NVR offering. Therefore kindly eliminate this specification.	No change, as per RFP.
142	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 24 TB Storage	10. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS certified at the time of bidding. The OEM should have ISO 9001:2008 or latest and ISO 14001:2004 or latest certificate for Manufacturing. In case of Make in India Product UL certification is not required, however, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1)before the date of publishing of the RFP.	We request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order."	No change, as per RFP.
143	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 32 TB Storage	1. 32 Channels or better NVR with supports up to 8 SATA hard drives each support up to 10TB, should be loaded with 32 TB Capacity of HDDs. Should support RAID 0/1/5/6/10. Shouls have the option to increase 25% extra cameras in same NVR without adding any additional hardware.	1. The specifications ask for 32 Ch NVR in which HDD capacity is ask for 10 TB and loading is 32 TB. We understand irrespective of storage calculation we need to supply NVR with 32 TB HDD please confirm. 2. The specification ask for 25% extra cameras by which we understand we need to consider minimum 40 Ch NVR as in our embedded NVR we cannot expand the ch capacity. Please confirm.	No change, as per RFP.
144	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 32 TB Storage	5. Support ONVIF S, G & T and above cameras, should support Remote live view and remote playback	Our offered NVR supports ONVIF S and is compatible with proposed cameras. Request you to kindly eliminate ONVIF G&T from specification as this is NOT available in reputed OEM's NVR.	No change, as per RFP.
145	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 32 TB Storage	9. Should support ANR and Pre/Post recording	By ANR we understand Automatic Network Failover Recovery. This feature is supported with Server-Software offering in major reputed OEM's and Not with NVR offering. Therefore kindly eliminate this specification.	No change, as per RFP.
146	Page No.10 of 23 Annexure C- Technical Specifications- 32 CH Network Video Recorder with 32 TB Storage	10. Certification- FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, BIS certified at the time of bidding. The OEM should have ISO 9001:2008 or latest and ISO 14001:2004 or latest certificate for Manufacturing. In case of Make in India Product UL certification is not required, however, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1)before the date of publishing of the RFP.	We request to amend the clause "certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP" and change it to "before the the date of release of work order	No change, as per RFP.
147	Page No. 18 of 23 Annexure C- Technical specifications- Video Management Software	1. General- The VMS should support any ONVIF compliant IP cameras and should support ONVIF Profile S, G, T & M and same should be reflected in www.onvif.org in the Conformant Devices.	ONVIF M is not available with major reputed OEM, request you to kindly eliminate ONVIF M from the specifications.	No change, as per RFP.

Sr. No.	Page No. / Section No. / Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Reply/ Response
148	Page No. 19 of 23 Annexure C- Technical specifications- Video Management Software	<p>8. Recording and Transfer- The VMS Shall have a Built-in Storage Calculation tool, that shall allow for Storage Calculation based on the Total No. of Cameras Added, No. of days Storage is required & the Available Hard disks within the Server/Mapped Storage. The Storage Calculation must also provide estimation of the No. of Days recording that can take place depending on the Total Availability of Storage Space & No. of Cameras added & configured at their respective configuration.</p> <p>The Proposed VMS Solution must support native Fail over with in the application with no dependency on any external application for both hardware and application redundancy. The native failover architecture must be for both management and recording servers.</p> <p>The Fail over and Fall-back management and recording Server shall be on hot standby, ready to take over during the primary management server fails. No manual action from the user shall be required. The fail-over time should not be beyond 30 Seconds.</p>	These three specifications seems to be specific to very few OEM and not available with major OEM's. Request you to kindly eliminate this three specifications.	No change, as per RFP.
149	Page No. 20 of 23 Annexure C- Technical specifications- Video Management Software	<p>19. Security- The OEM of the proposed VMS should have certificate from CERT-IN empaneled Government auditors/ agencies to mitigate cyber security attacks as per OWASP Top 10 Vulnerabilities. And should have CERT-IN certificate before the date publishing of the RFP.</p>	Kindly amend "CERT-IN certificate before the date of publishing" and change it to "before the the date of release of work order".	No change, as per RFP.
150	Page No. 19 of 71 3.5. General Requirements for IP Video Surveillance / CCTV System at all police stations (existing and new) and branch offices (SOG, DCB, LCB, LIB, Cyber Police stations)	mm. Analytics – VMS, NVR or CAMERA should have support of following analytics from day 1 – Motion detection, Tempering/Masking, Loitering, Missing Object & Abandoned Object.	Please clarify the video analytics requirement as there is no mention of video analytics in camera specifications. Also please confirm how many cameras are required with video analytics as all the analytics are not available within camera in most of the OEM's including Honeywell therefore we will need to consider server based analytics as per actual requirement. Or else please amend the specifications and eliminate "Missing Object & Abandoned Object" from specifications to make it more generic and allow more OEM complied.	No change, as per RFP.