

Aurangabad Smart City Development Corporation Limited
(ASCDCL)

Town Hall Aurangabad - 431001

No. ASCDCL/AMC/2018/43

Date: - 19/12/2018

The E-tendering Section
Aurangabad Municipal Corporation
Aurangabad -431001

Subject: Bid Due Date Extension , Corrigendum and Addendum

Tender reference number: No. ASCDCL/AMC/2018/3

You are requested to extend the last date for bid submission to 10/01/2019 (4:00 PM). Further, the last date of submission of hard copies of the bid is extended to 15/01/2019 by 4:00 PM. The date of technical bid opening shall be 15/01/2018 at 4:00 PM.

You are also requested to upload the Reply to Pre- bid Queries, Corrigendum-1 and Addendum-1 enclosed with this letter.



Chief Executive Officer
Aurangabad Smart City Development
Corporation Limited (ASCDCL)

RFP cum RFP dated 24-10-2018 for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Date:19-12-2018

Reply to Pre-bid Queries

Reply to Pre-bid Queries held on 2nd November 2018

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
1.		Flooring New Clause		Acoustic flooring:- The decorative flooring shall reduce impact sound by 14dB (ISO 717-2)). It shall be twin-layer linoleum built up from 2 mm acoustic laminate and 2 mm Corkment backing.	No Change
2.		Fire New Clause		ASTM E84 certificate (From UL/intertek) for control room wall & ceiling tiles to be submitted to ensure that the material does not provoke fire and does not generate smoke.	No Change
3.	Volume I/ 2.30. Eligible Goods and Services and OEM Criteria:	22	The OEM of each product or technology should have quality certifications like	We recommend that OEM of each product or technology should have quality certifications like ISO 9001:2000 and ISO 27001:2013	RFQ cum RFP cum RFP Prevails.RF

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			ISO 9001:2000 or equivalent.		Q cum RFP Prevails
4.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for Police/ h) Back Up Software:	36	Backup Solution should Integrate with third party VTL, NAS, SAN which has data deduplication capabilities and Robotic/automated Tape library	The proposed backup solution must integrate with third party VTL, NAS, SAN as well as OST protocols which has deduplication capabilities and Robotic/Automated Tape Library	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
5.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for Police/ h) Back Up Software:	36	Backup Solution should support (inflight & at rest) encryption.	The Backup Solution should support (inflight & at rest) encryption with minimum AES 256 bit standard or higher	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
6.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for Police/ h) Back Up Software:	36	Backup solution shall allow creating tape clone facility after the backup process.	The backup solution must allow creating tape clone facility after the backup process and also allow setting up of user defined retention parameter for the tape copy	Accepted
7.	Volume II / 1.1. Technical Architecture Requirements 3. Security	5	The architecture must adopt an end-to-end security model that protects data and the infrastructure from malicious attacks, theft, natural disasters, etc.	It is suggested to have strong hashing algorithms with minimum 256 bit and SHA256 and Https Secured Communication with IP cameras.	Accepted.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
8.	Volume II/ 2.27 Data Leakage Prevention and Email Security	199	New Clause	In DLP it is very critical what information can viewed or changed based on role so it is suggested to add the clause as The solution should be capable of "Segmentation of Duty" (SoD) based Enforcement of Information Security and the solution should enforce "Automatic Access Control" on Data and Information	RFQ cum RFP Prevails
9.		Quality certification in Execution New Clause		The Control Room Solution Provider must be ISO 9001, ISO 14001, OHSAS 18001 and ISO 27001 certified. To ensure uniformity, consistency & quality in final product, the Control Room Solution Provider should have In-house metal manufacturing & automatic conveyORIZED Powder Coating Plant.	No Change
10.		Fatigue free Ergonomic control room environment		Control Room Solution Provider must provide point by point compliance to ISO 11064. The same must be auditable in case the owner/consultant wants to do so.	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		New Clause		This is to ensure Fatigue free control room environment.	
11.		Acoustic Applications New Clause		Wall and Ceiling Tiles shall have minimum 10,000 micro-perforations per square meter to achieve NRC of 0.6 or more as per IS: 8225-1987 Equivalent to ISO: 354-1985 / ASTM 423-90. Test report from reputed agency to be attached to the tender proposal.	No Change
12.	Volume II/ 2.27 Data Leakage Prevention and Email Security	196	Email security Specifications	Email Security and DLP are two separate product, Please clarify that both are separate product and will be separate OEM for multilayer security prooespective.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
13.	Volume II/ 2.27 Data Leakage Prevention and Email Security	199	AntiMalware Protection	Antimalware and DLP are two separate product, Please clarify that both are separate product and will be separate OEM for multilayer security.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
14.	Volume II/ 2.27 Data Leakage Prevention and Email Security	199	New Clause	In DLP it is very critical what information can viewed or changed based on role so it is suggested to add the clause as The solution should be capable of "Segmentation of Duty" (SoD) based Enforcement of Information Security and the solution should enforce "Automatic Access Control" on Data and Information	RFQ cum RFP Prevails
15.	Volume II/ 2.27 Data Leakage Prevention and Email Security	199	New Clause	In DLP it is very critical to classify the data with out pre-defined patterns and auto policy	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				creation to protect the sensitive data so it is suggested to add the clause as The solution should have a comprehensive auto Information Classification methodology that would be readily deployable and MUST use automated policy mechanism and should have built-in Automated Policy Synthesis mechanism	
16.	Video GUI Capabilities	69	§ All user interfaces shall support English Language and shall confirm to standard Windows protocols and practices and allow the control of all functions via a simple easy to use interface.	The GUI and the OS protocols supports windows and linux enviornment. In order to have a complete OPEN system, please update this clause as "the user interface..... .. Standard Windows protocols and Interface. However the system shall suport complete open platform such that the application servers (such as DB server, VMS master server and Recording servers) should work on Linux operating system and the user / operators workstations shall support	Accepted

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				windows operating system at the same site.	
17.	Volume II/ B. Scope of Work Smart Transport System	84	MSI should integrate the AVLS on the GIS maps provided by ASCDCL	Provide details of maps like Layers, Attribute etc that will be provided by ASCDCL	MSI should provide the maps.
18.	Volume II/ B. Scope of Work Functional Specifications (d)	84	Facility to view vehicle movement in a real-time mode on GIS maps provided by ASCDCL.	Provide details of maps like Layers, Attribute etc that will be provided by ASCDCL	MSI should provide the maps.
19.	Volume II/ 2.11. COMPONENT 11: Integration and Common Components	121	GIS mapping for Aurangabad City across all components	Please clarify MSI need to integrate GIS Map that will be provided by ASCDCL. Across all components	MSI should provide the maps.
20.	Volume II/ 1. Project Overview, Brief Scope of Work and Technical Architecture Requirements	11	MSI shall make a detailed survey of communication (OFC) network of a Service Provider & electrical supply network availability of MSEDCL and GIS mapping of proposed locations of all CCTV cameras,	We understand that mapping for the assets as describe in this clause need to be done. No other GIS layers need to be created. Please clarify. 1. GPR Survey need not to be done for OFC, Electric supply or any other underground asset. 2. Only asstes which will be installed by MSI need to be	RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Smart Bus Stops, IoT Sensors (Environment, etc.), Wi-Fi spots, Display Signage, Traffic Lights, Solid Waste Management Infrastructure, etc. in order to complete the various components of the Smart City project in Aurangabad.	surveyd and updated in GIS Map . 3. MSI will only integerate map provided by ASCDCL and incorporate these layers (as mentoned in this clause)in Map	
21.	Volume II/ 8. GIS Integration:	17	MSI is required to update GIS maps from time to time.	We understand that MSI need to update CCTV cameras, Smart Bus Stops, IoT Sensors (Environment, etc.), Wi-Fi spots, Display Signage, Traffic Lights, Solid Waste Management Infrastructure only (data as defined in the scope of work on time to time as defined in Volume II/- 1. Project Overview, Brief Scope of Work) not the entire map provided by ASCDCL	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
22.	Volume II/ B. Scope of Work (a)	45	MSI should inspect the location and factor in amount of work needed to build OCC in	As described in the clause ASCDCL will provide GIS Map. Please provide us details like	RFQ cum RFP cum RFP Prevails.RF

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			the bid document. MSI should provide a universal dashboard to view all applications in a consolidated manner on GIS map provided by ASCDCL and also general KPI View.	layers, attributes etc. of the Map provided by ASCDCL.	Q cum RFP Prevails
23.	Volume II/ C. Solution Requirement	122	System shall have capability to perform attribute or spatial queries on data from selected sources. System shall support server side Geo-processing	Kindly clarify that various activities like change detection, Change classification and encroachment analysis also need to be done on different sources like time stamped satellite images using web based Geoprocessing and Image processing technology	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
24.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	120	E- Governance all application intergration	1. How many such applications are there? Will the integrations be API based or just links need to be provided for the respective applications?	RFQ cum RFP Prevails
25.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for	37	Backup solution should have integrated data de-duplication engine with multi-vendor	The proposed Backup Solution should have integrated data deduplication engine with the proposed storage system to	As per bidder solution, bidder to

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Police/ h) Back Up Software:		storage support to save de-duplication data. De-duplication engine should also facilitate IP base replication of de-dupe data; without any extra charge.	store the de-duplicated backup data. It should also facilitate the IP based replication of the de-duplicated backup data to offsite location	ensure that all the RFQ cum RFP requirements are met as minimum.
26.	New point added	New point added	New point added	The proposed Backup Solution supplied with Purpose Built Backup Appliance should support industry leading backup software like EMC Networker, Symantec NetBackup, Commvault and Data Protector etc. and should Support deduplication at backup server/ host / application level so that only changed blocks travel through network to backup device.	No Change
27.	New point added	New point added	New point added	Proposed purpose built backup appliance should be able to interface with various industry leading server platforms, operating systems and Must support LAN/SAN based D2D	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				backup and VTL backup simultaneously via NFS v3, CIFS, FC , OST and NDMP protocols.	
28.	Volume II/ Section 7.1 DSN.REQ.020	268	BIS and all certificates should be mandatory	BIS and all certificates should be mandatory	RFQ cum RFP Prevails
29.	Volume II/ Section 7.1 DSN.REQ.004	268	Please change it to 27,777 pixels/sqm	Please change it to 27,777 pixels/sqm	RFQ cum RFP Prevails
30.	Volume II/ Section 7.1 DSN.REQ.006	268	Please change it to > 2880 Hz or better	Please change it to > 2880 Hz or better	RFQ cum RFP Prevails
31.	Volume II/ Section 7.1 DSN.REQ.011	268	Please change it to 281 Trillion	Please change it to 281 Trillion	RFQ cum RFP Prevails
32.	Volume II/ Section 7.1 DSN.REQ.016	268	Please change it to '-20°-50°C	Please change it to '-20°-50°C	RFQ cum RFP Prevails
33.	Volume II/ Section 7.1 DSN.REQ.003	268	6mm is better pitch for better resolution	6mm is beeter pitch for better resolution	RFQ cum RFP Prevails
34.	Volume II/ Section 2.1 VWCCC.REQ.011	145	Please change it to 0.2mm	Please change it to 0.2mm	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
35.	Volume II/ Section 2.1 VWCCC.REQ.020	146	IP6X Engine ensures the long life and 24x7 operation of engine	IP6X Engine ensures the long life and 24x7 operation of engine	RFQ cum RFP Prevails
36.	Volume II/ Section 2.1 VWCCC.REQ.022	146	Change it to front access to save the space	Change it to front access to save the space	RFQ cum RFP Prevails
37.				Power supply should be redundant	RFQ cum RFP Prevails
38.				Cube depth should be less than 500 to save the space	RFQ cum RFP Prevails
39.	Volume II / 31 2.2. COMPONENT 2: Command Control Centre (CCC) for Police B. Scope of work g) Provisioning IT Security Equipment	5	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. There shall be no loss of video recording in a CCC in case of failure of any single server and storage component Both	Please elaborate the meaning of Active-Active mode, the Industry standard redundancy/High availability capabilities are Failover, FT-Fault Tolerant, HA-High Availability and DR-disaster Recovery.	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Server Room and cloud DR Site shall work in an Active-Active mode MSI shall establish dedicated connectivity between Server Room & cloud DR Site for replication & failover. MSI shall design the Server Room and DR solution with the necessary load balancing, replication and recovery solution that provide zero RPO (Recovery Point Objective) and RTO (Recovery Time Objective) of 10 minutes.		
40.	Volume II / 2.2. COMPONENT 2: Command Control Centre (CCC) for Police B. Scope of work C. Solution Requirements	3	4 There shall be no loss of video recording in case of failure of any single server and storage component. Both Server Room and DR Site shall work in an Active-Active mode	It is suggested that the recorder shall offer a redundancy solution using a Dual Recording feature, with distributed architecture that allows each subsystem to operate independently, without affecting video recording or live	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	DR Disaster Recovery Site		with 100% recording of cameras and application availability of all smart city components.	viewing. These features should be native or inbuilt in the application. No thirdparty solutions should be allowed for this.	requirements are met as minimum
41.	Volume II /2.4. COMPONENT 4: CCTV based City Surveillance Systeme C. Solution requirements, Video Management System	6	VMS shall be capable of tracing of a specific person / missing child on the basis of attribute like gender, type and colour of clothes including its current full body image in multi-camera videos: Track a specific person across several surveillances (e.g., to trace and identify criminals and/or anti-social elements) on the map such functionality should be available for 50% of fixed cameras		Query is not clear.
42.	Volume II/ Data Aggregation, Normalization and Access:	48	g) Platform should support distributed deployment of functions (workflows &	The asked functional requirement is indeed must have feature but deployment of such functions with workflows and	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			policies) across city's network and compute infrastructure with centralized management and control.	policies is feature of Command and Control Application. The authorities are requested to limit this requirement upto CCC application only.	
43.	Volume II/ Video Management System	66	VMS shall allow the administrator to distribute camera load across multiple recorders and shift the cameras from one recorder to another by simple drag and drop facility.	The assignment of specific cameras to specific recorder will be a breach to security and against secure and tamper proof recording clause. Please update the clause as "the VMS system shall assign the all the cameras (including existing and newly added cameras) to the bunch of recording servers in an automatic and load-balanced manner without any user / manual intervention" the same mechanism shall also work to achieve high-availability / redundancy such that in the event of one of the recording server failure, the cameras associated to the failed server shall get distributed to the other live servers in fully automatic	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				and load distributed manner with-out any manual or human / operator intervention."	
44.	2.26 ADC, ADC.033, New Point	page 194	Web Application Firewall should integrate with Web Vulnerability system Scanner for Auto patching/Smart Patching and reduce Operational overhead. Web Vulnerability system scanner should be provided by the same WAF vendor/OEM. And can be install on Virtual platform. Web vulnerability system scanner should provide/identify OWASP TOP 10 vulnerabilities , should have a pre-record scan option and provides scanning for at least 5 fqd from day one.	WAF and scanner collaboration helps fastest time for 0-day vulnerability mitigation. and WAF can immediately patch those vulnerability found by scanner using a virtual or smart patch. This will ensure to patch the known vulnerabilities within an Hours, so request to add this point.	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
45.	Volume 2 - Section 2.10 -Aurangabad Citizen Mobile Application and Website	120	Aurangabad Citizen Mobile Application and Website	What is the expected volume of users for the Aurangabad Citizen Mobile Application? And if the volume is significant (since it would be used by majorly by the residents) - then what is the Performance testing approach bidder should undertake in order to meet the SLA's?	Yes it is significant. As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
46.	New Clause	Experience	To ensure an integrated solution as per the international control room design & safety norms; main bidder to bring a professional "Control Room Solution Provider" on board with an experience of designing, manufacturing and installing at least twenty control rooms.		No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>These packages should have been executed on or before Bid release date and proof must be submitted along with appreciation/completion letters.</p> <p>Control room Solution Provider must have In-house architect OR should bring a professional architect firm with an experience of doing at-least five control room ergonomic studies. Proof of work orders must be submitted to obtain project level approval.</p>		
47.		Expertise in same field	Control Room Solution provider must have experience of executing at least one control room project for any smart city's main control room operation anywhere in the world during last Five years and must be working satisfactorily for a		No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			period of minimum 6 months as per the quality standards specified. At least one project reference with completion letter to be attached along with the bid.		
48.		Ergonomic Considerations along with Quick & Easy Maintenance Feature	High-density Poly Urethane Foam moulded on industrial grade aluminium core to form 50mm deep tapered edge to be installed on worktop. The Edge shall be mechanically replaceable within 30 minutes in case of damage or wear without opening or removing the worktop.		No Change
49.		Workstation/Operator Console:	The desk shall have non welded aluminum structure with 150mm floating cabinets. Wiring shall be concealed. It is recommended that MDF,		No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Particle board and any other wood / plastic based materials are used in Table top, shutters and side legs. The desk must be seismically qualified for Zone 5 vibrations.		
50.	Volume II/ 3.1 PTZ specification PTZ005	227	Compatible to image sensor, Focal length 4.3–129 m, Auto Iris, Full HD (1080P), IR Corrected – Day / Night mode- Colour	We request you to amend it to 4.4 -135 mm as longer lens length will give more coverage which is essential for PTZ	RFQ cum RFP Prevails. As per bidder solution. Bidder to ensure that RFQ cum RFP requirements are met as minimum.
51.	Volume II/ 3.1 PTZ specification PTZ027	228	IP 66/65 Rated for outdoor use with internal /external IR illuminators which can	We request you to change the IR illumination to 150 mtrs as lens asked for PTZ is 4.3-129 mm .If the IR is only 50 mtrs , then it	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			cover up to 50 mts .Compliance to Vandal and impact resistant housing – IP66 / NEMA 4X, IK10	may not cover the entire focal length of camera	As per bidder solution. Bidder to ensure that RFQ cum RFP requirements are met as minimum.
52.	Volume II/ 3.2 Box camera specification FIXBOX 3	229	2.8 -8mm / 5-50mm lens	We request change in focal length to 3.7-9.4 mm .Here we can propose bullet camera which is factory intergated and hence better solution.Also otorized varifocal lens can be supplied for bullet camera and can be focussed from Control Room .For 5-50mm lens requirement , we can supply box camera with additional lens	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
53.	Volume II/ B. Scope Of work	121	MSI shall be responsible for providing GIS map of Aurangabad city which shall be a	As per Volume II/- 1. Project Overview, Brief Scope of Work and Technical Architecture Requirements Page no: 11 and Volume II/- B. Scope of Work	MSI should provide the maps.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			common platform across all solutions including City Wi-Fi, City Surveillance, Smart Bus Stop & Smart Transport, ICT enabled SWM, etc.	Functional Specifications (d) Page No: 84 GIS maps will provided by ASCDCL Not by MSI. Kindly confirm.	
54.	Volume I / 3.7 Technical Bid Criteria & Evaluation / Project Experience / A.2	42	Competence based on similar nature of project completed Bidder (any consortium member) should have experience in executing projects of similar scope	Request to Amend as follows: Bidder (any consortium member) should have an experience in executing the projects for one or more category as mentioned below: <ul style="list-style-type: none"> ▪ Command & Control Centre / Network Operations Centre (NOC) or Surveillance command center ▪ ITMS(RLVD or SVD or ANPR or VMS or e-Challan or ITS or ATCS) ▪ Multi-layer GIS ▪ Smart Solid Waste Management System for city ▪ Mobile App/Desktop Portal for Citizen Services ▪ Edge Analytics/IOT/AI 	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<ul style="list-style-type: none"> ▪ Optical Fiber Communications/ Sensors ▪ GSM/GPRS based Data Acquisition System 	
55.	Volume II/ 2.26 ADC, ADC.033	194	<p>Web Application Firewall should integrate with Web Vulnerability system Scanner for Auto patching/Smart Patching and reduce Operational overhead. Web Vulnerability system scanner should be provided by the same WAF vendor/OEM. And can be install on Virtual platform. Web vulnerability system scanner should provide/identify OWASP TOP 10 vulnerabilities , should have a pre-record scan option and provides</p>	<p>WAF and scanner collaboration helps fastest time for 0-day vulnerability mitigation. and WAF can immediately patch those vulnerability found by scanner using a virtual or smart patch. This will ensure to patch the known vulnerabilities within an Hours, so request to add this point."Web Application Firewall should integrate with Web Vulnerability system Scanner for Auto patching/Smart Patching and reduce Operational overhead. Web Vulnerability system scanner should be provided by the same WAF vendor/OEM. And can be install on Virtual platform. Web vulnerability system scanner should provide/identify OWASP TOP 10 vulnerabilities , should have a pre-record scan option</p>	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			scanning for at least 5 fqdn from day one.	and provides scanning for at least 5 fqdn from day one."	
56.	Volume II/ 2.26 ADC, ADC.034	194	New Clause	Provides Continuous independent third-party security testing performed by ICSA Labs - a high standard of security product quality., Veracode delivers an application security service that is end to end, built for scale, and works to systematically reduce application security risks. But CA Veracode recognizes that customers need assurance that its services are delivered securely and assurance that customer binaries, bytecode and analysis results remain confidential Hence request you to consider "WAF Should be ICSA and VERACODE VL4 Certified"	RFQ cum RFP Prevails
57.	Volume II/ 2.26 ADC, ADC.035,	194	New Clause	To mitigate 0 day attacks it is mandate to have IP reputation feed from same OEM through threat intelligence, so request to add this point in RFP "System	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				should have and integrate with IP reputation feed provided by WAF OEM own threat intelligence and not third party threat intelligence"	
58.	Volume II/ 2.27 Data Leakage Prevention and Email Security	196	Email security Specifications	Email Security and DLP are two separate product, Please clarify that both are separate product and will be separate OEM for multilayer security prospective.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met.
59.	Volume II/ 2.27 Data Leakage Prevention and Email Security	Page 199	AntiMalware Protection	Antimalware and DLP are two separate product, Please clarify that both are separate product and will be separate OEM for multilayer security.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
60.	Volume II/ 2.27 Data Leakage Prevention and Email Security	199	New Clause	In DLP it is very critical to classify the data with out pre-defined patterns and auto policy creation to protect the sensitive data so it is suggested to add the clause as "The solution should have a comprehensive auto Information Classification methodology that would be readily deployable and MUST use automated policy mechanism and should have built-in Automated Policy Synthesis mechanism"	RFQ cum RFP Prevails
61.	Volume II/ 2.27 Data Leakage Prevention and Email Security	197	The solution should have a comprehensive list of pre-defined policies and templates with over 1700+ patterns to identify and classify information pertaining to different industry like Energy, Petroleum industry vertical etc and India IT Act.	The pre-defined template restricts the protection of sensitive data, the DLP should have auto classification inbuilt to protect sensitive data which not cover by pre-defined templates. The amend the clause as The solution should have a comprehensive list of pre-defined policies and templates with over 1700+ patterns and auto classifications to identify and classify information pertaining to different industry	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				like Energy, Petroleum industry vertical etc and India IT Act	
62.	Technical Specifications	New Clause	New Clause	<p>RFP dosent talk about Anti-DDoS Solution which is must for protecting overall Network Infrastructure from multivector Attacks. So request you to add below minimal Anti-DDoS Specs in RFP.with referrence to other security parameter, other smart city projects had also included Anti-DDoS solution,</p> <ul style="list-style-type: none"> • The DDoS solution should be a dedicated hardware with dual power supply . The appliance should have 8 X 10GE SFP+ ports and 2x40G. The throughput of the DDoS Appliance should be minimum 60 Gbps with minimum , 4M PPS, 50K SSL TPS for RSA 2K key, 35K SSL TPS for ECDSA P256 and minimum 45 Gbps SSL throughput. The proposed solution should be from same OEM as Link Load balancer. The Anti-DDoS module is expected to constantly monitor the behaviour of the 	No change.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>application visitors and prevent common application layer attacks.</p> <ul style="list-style-type: none"> • The proposed solution should detect and mitigate both traditional network- layer DDoS attacks and more advanced application layer attacks. The proposed solution should have the capability to be configured in detect as well as protect mode. The proposed solution should prevent suspicious outbound traffic for threats and blocking malicious traffic. Devices should be proposed in high availability using standard VRRP Protocol • System must be able to detect and block SYN Flood attacks. The solution should provide IP reputation list protection to filter blacklisted IP. The solution should support detection and protection of DDoS traffic as below: <ul style="list-style-type: none"> o IP Spoofed/Non-spoofed TCP Syn Flooding, o IP Spoofed/Non-spoofed TCP Syn-ACK Flooding o IP Spoofed/Non- 	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>spoofed TCP FIN Flooding o IP Spoofed/Non-spoofed UDP Flooding o IP Spoofed/Non-spoofed ICMP Floodingo HTTP GET Flooding o HTTP POST Flooding o HTTPS Flooding o DNS Query Flooding. The solution should support protection policy for L3 protocol (IP), L4 protocol (TCP, UDP, ICMP) and should support a function of exclusion for specific network.</p> <ul style="list-style-type: none"> •The solution shall provide the flexibility of performing configuration via GUI and command base remotely. The solution shall be able to export syslog to existing syslog server and SIEM system. 	
63.	Technical Specifications	New Clause	New Clause	Firewalls, IDS/IPS, data loss prevention and other security appliances typically do not have visibility to encrypted traffic, allowing malicious payloads to traverse the network uninspected. Where SSL is supported, appliances often do not have sufficient resources to	No change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>decrypt traffic efficiently, thus impacting performance hence request you to consider Encrypted Traffic Management Specification for SSL Traffic inspection:</p> <ul style="list-style-type: none"> • Should be high performance purpose built hardware with multicore CPU support and not a part of UTM/ Firewall/ Router or any other device. The appliance should support minimum 45 Gbps of SSL throughput to support security device functions and should be deployed in high availability. The appliance should have minimum 8 X 10G SFP+ ports with prepopulated SFPs and dual power supply • Hardware based SSL acceleration with 45Gbps of bulk SSL throughput and 35,000 ECC TPS (ECDSA-SHA256), 50,000 2k SSL transactions per second (TPS). Should support both 2048 and 4096 bit keys for encrypted application access. • Device should also support 	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>standard VRRP for high availability. The SSL Intercept device shall support SSL termination with TLS 1.2, TLS 1.1, TLS 1.0 protocols. The SSL Intercept device shall able to detect and decrypt all TCP ports that utilize SSL/TLS (TCPS) communication. The SSL Intercept device shall support both outbound SSL traffic (forward proxy) and inbound SSL traffic (reverse proxy). The SSL Intercept device shall able support inline bridge mode, decrypt/encrypt SSL traffic without change the SRC/DST IPs and network IP segment topology. The SSL Intercept device shall support SPAN port functions for external passive security devices.</p> <ul style="list-style-type: none"> • The SSL Intercept device shall able support explicit Forward Proxy functions. For privacy polices, the SSL Intercept shall support URL bypassing by static configuration. For compliance, 	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>the SSL Intercept shall support selective URL bypassing by reputable online URL classification services. For outbound, the SSL Intercept device shall use the same SSL version and SNI options as client, re-encrypt application data, which may be modified by the external security devices (such as WAF, DLP) to the original destination.</p>	
64.	Technical Specifications	New Clause	New Clause	<p>New Suggestion Link Load Balancer with Global server load balancing: The RFP has not described the requirement of Link load balancer and GSLB which is very essential for smooth running of all smart City applications and LLB will be required to delegate the A/AAAA/MX record entries with multiple ISP vendors, work as a Ipv6 gateway. GSLB is also required for applications DC DR drills. Hence we suggest to include Link load balancer with GSLB solution with minimum</p>	No change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>specifications to this project</p> <ul style="list-style-type: none"> - The solution should aggregate WAN links from a single or multiple ISPs, and support minimum 20 WAN links for inbound/outbound traffic load balancing & redundancy. WAN Links must support IPv4 or IPv6 addressing or both simultaneously. Proposed device should be multi-tenanted Network Function Appliance with support up to 16 virtual instances. Should have internal redundant Power supply with 2 TB usable hard disk, 64 GB RAM and run other 3rd party and open source virtual network Functions like Linux-CentOS/ Ubuntu etc. in same appliance - The appliance should have minimum 8x10G ports and 2x40G ports. The appliance should be from same OEM as server load balancer - Domain name support for outbound link selection for FQDN based load balancing. 	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>Should provide mechanism to bind multiple health checks, support for Application specific VIP health check and next gateway health checks. Should support persistency features including RTS (return to sender) and ip flow persistence. Should also support SAA, SAML, Hardware binding and AAA support along with SSO. Solution must support machine authentication based on combination of HDD ID, CPU info and OS related parameters i.e. mac address to provide secure access to corporate resources.</p> <ul style="list-style-type: none"> - The appliance should have feature of GSLB for future requirement and Support DNS Rate Limiting and DNS DDOS Protection, Should Support full DNS bind function and capable of handling complete DNS bind records including A, MX, AAAA, CNAMAE and PTR etc. - Should support standard VRRP based HA for active/active or 	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				active/passive. Should support both device level and VA level High availability.	
65.	Volume II/ Server Room Firewall	169	Throughput capacity of next generation Firewall (AVS+NGIPS) should not be less than 20 GBPS. Max 25 Million sessions per second 150K. Solution should be based on multi core processors and not on proprietary hardware platforms like ASICs, Should have minimum 16 GB memory with option of upgradable up to 32 GB. Hardware should have field upgradable capabilities for upgrading components like network cards, RAM, power supplies, fan etc.	What is the reason for asking non-ASIC architecture firewall? ASIC processors are known for delivering higher throughput and low latency than multicore processors which is very critical for data center setup. Because of ASIC's better performance all higher-end routers and other networking devices are based on ASIC. So we are requesting to remove the same. 16 GB RAM is at lower side for server firewall as all traffic will hit this appliance so we are requesting to ask for 32 GB RAM from day one which should be upgradable to 64 GB. All firewall vendors have their own way of designing hardware. We don't have modular platform to add network cards, RAM etc. later on & from day one we are supplying more interfaces, RAM etc. than asked in RFP. So	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				requesting to remove or make it optional.	
66.	Volume II/ Server Room Firewall	169	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of 900 GB SSD / HDD.	Adding fail-over cards in server room firewall is technically not possible as such firewall always gets installed in L3 mode. So requesting to remove fail open cards ask. Also pls accept NGFW appliance with inbuilt or external storage of 900 GB SSD / HDD.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
67.	Volume II/ Server Room Firewall	169	Firewall Feature: solution should be based on "stateful inspection" technology and must support access control for at least 500 predefined /services/protocols with capability to define custom services. Must allow security	All firewall vendors don't include 500 predefined services / protocols by default. But they support more than 1000 services by creating custom entries and you have already asked for custom services creation capabilities. So requesting to remove 500 entries and change statement to - "Firewall Feature: solution should be based on	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates.	"stateful inspection" technology and must support access control for predefined well known services/protocols with capability to support at least 1000 custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates."	met as minimum.
68.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	120	Free and paid Wi-Fi App	Request for some more detailing of scope	RFQ cum RFP is clear
69.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	121	The application should have integration layer and should be able to pull information necessary from system	Request for some more detailing of scope	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
70.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for Police/ h) Back Up Software:	36	Backup Software must provide Source (Client & Media Server) & Target base data deduplication capabilities.	The Backup solution should support source & target side deduplication capabilities	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
71.	Volume II/ 2.2. COMPONENT 2: Command Control Centre (CCC) for Police/ h) Back Up Software:	37	Backup Solution must offer capacity-based licensing. License should be for the front-end capacity rather than back-end. There should be no incremental cost associated with longer retention periods.	The Backup Solution must offer licensing in Capacity/Host/Socket based. License should be supplied as per the solution stack offered by MSI.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
72.	Volume II/ 2.20 External Storage - SAN/NAS/ Unified	177	Dual, both Active, Minimum 96 usable cache across	Dual, both Active, Minimum 96 128GB usable cache across	As per bidder solution,

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	storage/ STO.005/Raid Controller		Controllers (Min 32 GB per Controller).	Controllers (Min 32 64 GB per Controller).	bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
73.	Volume II/ 2.20 External Storage - SAN/NAS/ Unified storage/ STO.016/warranty & support	178	3 Years, Comprehensive, On-Site Support Warranty including part replacement /repairs within 8 hours of reporting, and Software support for updates, upgrades, patches, and bug fixes for supplied s/w from OEM 24 x 7 x 365 days.	3 Years, Comprehensive, On-Site Support Warranty including part replacement /repairs within 8 hours of reporting, and Software support for updates, upgrades, patches, and bug fixes for supplied s/w from OEM 24 x 7 x 365 days.	RFQ cum RFP Prevails
74.	Volume II/ 2.30 Storage/STORE.005	204	RAID 0, 1, 1+0, 5+0 and 6	The RAID specifications in 2.20. External Storage - SAN/NAS/ Unified storage is "0/1, 4/ 5, and 6 or equivalent" which qualifies everyone whereas this RAID specifications disqualify certain	As per bidder solution, bidder to ensure that all the

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				OEMs. Hence we request you to kindly modify the specs for qualification and competetion.	RFQ cum RFP requireme nts are met as minimum.
75.	Volume II/ 2.30 Storage/STORE.006	205	Minimum 128 GB of useable cache across all controllers. If cache is provided in additional hardware for unified storage solution, then cache must be over and above 128 GB.	There is cost diference between SAN/NAS or Unified Storage. Please clarify if Unified storage is required.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requireme nts are met as minimum.
76.	Volume II/Point 1 "Project Overview, Brief Scope of Work and Technical Architecture Requirements."	11	Subpoint 2 : City Surveillance "Command and Control Centre (CCC) for Police shall be the <u>nerve centre of City Surveillance</u> , Traffic Management and Enforcement system."	As defined in the tender document that the Command and Control Center (CCC) shall be " <u>the nerve center</u> " of both the critical processes hence it is necessary to ensure that an integrated solution is provided. " <u>Being a project of National</u>	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				repute this state-of-the-art facility & all its components like control desk, ceiling, flooring, panelling, Glass partitions, light & electricals etc. must be treated as a part of one single solution i.e. control room solutions and must be supplied by one professional agency only."	
77.	Volume II/ Scope of work Video Management System VMS.013 Forensic Requirement 17. Video Analytics Detection and classification (Phase-2)	Page 67 Page 231 Page 309	PAGE 67: VMS shall be capable of tracing of a specific person / missing child on the basis of attribute like gender, type and colour of clothes including its current full body image in multi-camera videos: Track a specific person across several surveillances (e.g., to trace and identify criminals and/or anti-social elements) on the map such functionality should be available for 50% of fixed	Kindly remove "Attribute-based search, Gesture recognition" as this is a proprietary feature and this will only allow one proprietary OEM to take part in the bid. Also, as these alarms can give large number of false alarms on its inaccurate working.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>cameras. PAGE 231: VMS shall Attribute base search on at least 30% of cameras to search the person on the basis of attribute like gender, type and colour of clothes and image of person from the CCTV feeds and should able to run on multiple cameras to track the person PAGE 309: Online Video Analytics event and alert display on the GIS platform, Alert should pop up on the screen with relevant video stream : Gesture recognition: Identification through gesture change</p>		

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
78.	Volume II/ Scope of work Video Management System VMS GUI Capabilities:	Page 69	§ GUI shall conform to standard Windows conventions.	Kindly Consider: § GUI shall conform to standard Windows conventions. The Software should have Microsoft Gold certification for tight integration with operating system. This reduce the software compatibility issues with server, operating systems and work perfectly in the entire project cycle , even in case of upgrades and patches.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
79.	Volume II/ Scope of work Video Management System VMS Core Components:	Page 67	§ VMS should support 128 k bit encryption for recordings for security purpose	Kindly consider: § VMS should support 256-bit AES encryption for recordings for security purpose and SEF (secured export format) export system with password protection up to 20 characters.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
80.	Volume II/ Scope of work Video	Page 68	ú System should allow to specify the	Kindly consider: ú System should allow to	As per bidder

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Management System		following search criteria:	specify the following search criteria: Evidence Export Solution - The Software shall be able to create, export and share Incident by making clips from multiple cameras with labels, descriptions and comments. The Clips shall be played simultaneously or sequentially in desired order to give wholistic view about the incident and the evidence. The systems should combine the video clips from multiple cameras collected together, and then edit them into a movie that contains authenticity checked material and detailed descriptions of what is being shown on the videos. The Evidence solution makes it very easy for the viewer to follow and understand exactly what happened.	solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
81.	Volume II/Scope of work Video Analytics	Page 77	Solution shall be so designed to have Automated PTZ camera control for zooming in on interesting events like motion detection etc. as picked up by camera without the need of human intervention. It shall be completely scalable, with a many-to-many client-server model allowing multiple physical systems to be used in an array of servers. The server specified in the RFP indicates only the minimum requirements. However, SI shall offer the server system to suit the video analytics requirements specified herein.	Kindly Consider: Solution shall be so designed to have Automated PTZ camera control for zooming in on interesting events like motion detection etc. as picked up by camera without the need of human intervention of The Cameras. There should be Virtual camera functionality up to 40 such Virtual camera can be made from one single camera view. It shall be completely scalable, with a many-to-many client-server model allowing multiple physical systems to be used in an array of servers. The server specified in the RFP indicates only the minimum requirements. However, SI shall offer the server system to suit the video analytics requirements specified herein.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
82.	Volume II/ Scope of work Video Analytics	Page 77	Video Analytics:	Kindly Add: The video analytics (VA) shall be an inbuilt solution from the VMS manufacturer where the video analytics software is included in the basic VMS installation package. The VCA should run in the same Recorder as that of the VMS. Separate Hardware shouldn't be required. Separate License key shouldn't be required to run VCA	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
83.	Volume II/ Scope of work Video Management System VMS GUI Capabilities:	Page 69	§ All user interfaces shall support English Language and shall confirm to standard Windows protocols and practices and allow the control of all functions via a simple easy to use interface.	Kindly Consider: § All user interfaces shall support English Language and shall confirm to standard Windows protocols and practices and allow the control of all functions via a simple easy to use interface. The Software should have a "help" option where quick offline support and documentation of the operation of the software shall be available	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				for the operator for any instant help or support.	
84.	Volume II/Scope of work Video Management System	Page 68	i. Motion in the zone, user-defined with any polyline	Kindly Consider: i. Motion in the zone, user-defined with any polyline. VMS should support 3 motion detection methods - Comparative, Adaptive and Hermeneutic for adverse conditions.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
85.	Volume II/Scope of work Video Analytics	Page 76	Analytics software shall bring significant benefit to review the incidences and look for suspicious activity in both live video feeds and recorded footages.	Kindly consider: Analytics software shall bring significant benefit to review the incidences and look for suspicious activity in both live video feeds and recorded footages. The video analytics shall have an easy to use 3D calibration tool where 3D calibration objects are matched to the actual camera viewing scene and Alarm Filtering Option	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				shall be there. It shall possible to “silence” alarms for a desired time period Ranging from 5 Minutes till 24 Hours or more.	
86.	Volume II / 1.1. Technical Architecture Requirements 1. Scalability	15	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users. The Applications proposed for various solutions shall be capable of handling growth for next 5 years from Go-Live date. MSI shall clearly quantify the expansion capabilities of the application software without incurring additional cost	Please clarify for which applications 1000 concurrent users are required.	RFQ cum RFP Prevails. This shall account for entire Aurangabad city, covering all municipal departments along with police department and smart city components.
87.	Volume II/ Scope of Work	35	Both Server Room and cloud DR Site shall work	Does this mean that all the applications (including DB, Master application and recording application for Video	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			in an Active-Active mode.	management system) will be running parallelly in both DC and DR. If yes, what should be the data retention at DR site?	
88.	Volume II/ Video Management System	66	VMS shall support retrieving data from edge storage. When a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage.	If the connection is broken between the camera and central site, retrieving the stored video from SD card to the central storage cannot take place. Please limit this requirement to "record the video into the SD card if the connection between camera and central site is broken and transfer it to central storage of camera-central site disconnection period once the connectivity is restored"	RFQ cum RFP Prevails
89.	Volume II/ Video Management System - VMS General68	68	§ System shall provide the capability to digitally sign recorded video.	Please update this clause as "§ System shall provide the capability to digitally sign recorded video. The digital signatures shall be made available to VMS OEM by MSI / end-user along with the required interface for integration with digital signatures"	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
90.	Volume II/ Video Management System - VMS General68	68	Competent authority will review the flag data every 30days and will decide to archive some of it to secondary storage	Does the review of the flagged data will take place during the flagged data retention period of 90 days OR this data will be reviewed after the retention period of 90 days such that the authorities may decide to further retain such flagged videos or to delete such videos. IF the review of video will happen after 90 days of retention and in case authorities decide to further retain such videos for any reasons, what will be the upper limit to retain such critically flagged video data post 90 days and what is the approx. %age of such video that needs to be retained further. this information is required in order to calculate the size the required storage in DC	RFQ cum RFP Prevails
91.	Volume II/ VMS Configuration	70	Configuration tool shall support multiple concurrent users of the system, providing the ability to automatically update. It shall also	Exporting the camera configurations and further importing the configured parameters may be a breach to the highly critical camera configurations and is not safe.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			allow the codec and camera configurations to be imported and exported in excel format.	Please update this clause as below "the VMS camera configuration GUI logged-inn by an Administrator or equivalent credentials" shall allow user to replicate the camera configurations to another camera / all cameras in a group of cameras / multiple groups and all cameras in the given site by just one click using "copy and paste" manner. This shall allow user to quickly replicate the camera configuration to multiple cameras / all cameras in a safe, secure and quick mode."	
92.	Technical Architecture Requirement Volume II - 1.1 Section 1 Scalability	16	The data center/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users	We understand these 1000 users include the various ICC operators, Mobile App users and another smart city elements software users including citizen facing applications. Please confirm.	Your understanding is correct.
93.	Volume II, (VMS General) Video	67-68	Off-Line Video Analytics should allow for quick retrieval of	Please explain the use case of these offline video analytics, Can you please specify object	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Management System		<p>video footage to metadata stored with each image. System should provide results within few seconds, system should support for below listed user's query. ú System should allow to specify the following search criteria: i. Motion in the zone, user-defined with any polyline ii. Detection of crossing a virtual line in a user-defined direction iii. Loitering of an object in an area iv. Simultaneous presence of a few objects in an area v. Motion from one area to another. ú System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed</p>	<p>mean, does it mean Human. So we understand it is for searching of a specific person based on various body attributes i.e. Color, size, ROI etc.</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			of the moving object ú Defined area entry/appearance and zone exit/disappearance		
94.	Volume II, 3.3 (Video Management Software) Clause No. VMS.013	231	VMS shall Attribute base search on at least 30% of cameras to search the person on the basis of attribute like gender, type and color of clothes and image of person from the CCTV feeds and should able to run on multiple cameras to track the person	In page no. 66 part of video management software its mentioned same requirement on 50% of cameras please clarify these functionality required for 30% of cameras or 50% of cameras.	Should be read as 50%
95.	Volume II - 2.3 - C	48	c) Attributes of API key(s) must restrict / allow access to relevant data, i.e. (attributes can be like: specific domain (either lighting or waste, etc. or combination of these), RO / RW, specific to	Various platforms may have different mechanisms for access restriction and request to consider alternate methods.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			tenant (city, street within city, etc.)).		
96.	Volume II - 2.3 - C	49	It should help produce new applications, and/or use solution APIs to enhance or manage existing solution free of cost. The IoT platform vendor shall have technology labs via an online public facing web interface. These labs should be available 24X7.	Various platforms have different way of sharing the API's with partners. Sometimes even local installation in partner lab is also required to minimize the dependencies. So, request to allow alternate ways for API sharing with partners.	RFQ cum RFP Prevails
97.	Volume II - 2.3 - C	49	Platform OEM should have published the normalized APIs in their website for the listed domains (Parking, Outdoor Lighting, Traffic, Environment, Urban mobility etc.) to allow sensor vendors and app	Again, it should be up to platform OEM to decide the method of sharing API's with partners. Different ways can be i) Online lab ii) Local lab in partner office iii) Access on project site iv) Simulator programs etc. . Request to provide flexibility.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			developers to develop their connectors / adaptors to the platform		
98.	Volume II	67	<p>Off-Line Video Analytics should allow for quick retrieval of video footage to metadata stored with each image. System should provide results within few seconds, system should support for below listed user's query. ú System should allow to specify the following search criteria: i. Motion in the zone, user-defined with any polyline ii. Detection of crossing a virtual line in a user-defined direction iii. Loitering of an object in an area iv. Simultaneous presence of a few objects in an area v. Motion from</p>	Speed detection is already mentioned as part of ANPR hence requesting you to remove speed detection as part of Offline video analytics	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			one area to another. ú System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object ú Defined area entry/appearance and zone exit/disappearance		
99.	Volume II	121	2.11. COMPONENT 11: Integration and Common Components	Multipal systems are referred in the document at different places, with some already existing and some to be actually deployed as a part of current scope. We request to provide a simple excel table containing a list of systems, status (Existing or to be supplied, or Future), Integration requirement with ICCC so as we can be very clear of the overall scope of work.	RFQ cum RFP Prevails
100.	Volume-II	11	MSI will develop an Integrated Smart City System that will	Please confirm if DC and DR will be setup within these two	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			comprise of a Command & Control Centre (CCC) for Police and City Operations Command Centre (OCC) for Aurangabad Municipal Corporation	locations (OCC & CCC) or they are four separate locations.	
101.	Volume-II	15	Redundancy is to be considered at Server room /DR centre components level. The system should be designed to have uptime of 99.99%	We consider Server Room and DR as a redundancy for each other, please confirm it is correct. Further local redundancy within Server room and DR will make overall infrastructure 4 times i.e. 1:1 within server room and 1:1 in DR. So please confirm requirement is only for Server room : DR.	Refer Addendum Sr. No. 4
102.	Volume-II	35	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. There shall be no loss of video recording in a CCC in	1) We understand video recording will happen only in Server room with local N+1 redundancy and not on cloud. Please confirm. 2) Server room and DR shall have active active mode for smart elements only and not for Video surveillance data, please confirm.	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			case of failure of any single server and storage component. Both Server Room and cloud DR Site shall work in an Active-Active mode.		
103.	Volume-II	41	In case of nonavailability of Server Room, the cloud DR centre should be able to operate all the applications for the smart city components. The DR centre will have all the functionality and infrastructure similar to the data center	Will DR also have Video recording for all the cameras or will only have smart application infrastructure?	Refer Addendum Sr. No. 4
104.	Volume-II	42	Minimum 30 days data backup of video feeds and transaction data for minimum 90 days shall be stored on the storage within the Server Room infrastructure. Video	1) Storing video data for 365 days will need too high amount of storage and is may not be commercially viable solution. All investigation agencies also generally recommed video storage up to 30 days only. So request to clarify video storage	Only flag video data is to be recorded for 365 days on tape.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Data and event data for at least 365 days shall be stored as back up on tape.	requirement. 2) Also note, Tape storage is not suitable to record video data. Any such continuous backup activity of video data to tape storage will also need huge additional server infrastructure. It is recommended to store video data on online storage only.	
105.	Volume-II	66, 231	VMS shall be capable of tracing of a specific person / missing child on the basis of attribute like gender, type and colour of clothes including its current full body image in multi-camera videos: Track a specific person across several surveillances (e.g., to trace and identify criminals and/or anti-social elements) on the map such functionality should be available for 50% of fixed cameras	On page 231 it says person search on 30% cameras, please confirm it is 30% or 50%?	50%

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
106.	Volume-II	67	Off-Line Video Analytics should allow for quick retrieval of video footage to metadata stored with each image	In city surveillance application online analytics are required which are already specified in previous clauses, so we request to delete off-line analytics requirements.	RFQ cum RFP Prevails
107.	Volume-II	77	It shall be able to automatically track objects such as cars and people and push content to the respective security personnel as required for real time analysis.	Tracking of a car shall be a part of ITMS solution, so we request to remove it from VMS specifications.	RFQ cum RFP is clear
108.	Volume-II	16	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users	We understand these 1000 users include the various ICC operators, Mobile App users and another smart city elements software users including citizen facing applications. Please confirm.	Your understanding is correct.
109.	Volume-II	67-68	Off-Line Video Analytics should allow for quick retrieval of video footage to metadata stored with each image. System should provide	Please explain the use case of these offline video analytics, Can you please specify object mean, does it mean Human. So we understand it is for searching of a specific person based on	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>results within few seconds, system should support for below listed user's query. ú System should allow to specify the following search criteria: i. Motion in the zone, user-defined with any polyline ii. Detection of crossing a virtual line in a user-defined direction iii. Loitering of an object in an area iv. Simultaneous presence of a few objects in an area v. Motion from one area to another. ú System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object ú Defined area entry/appearance and</p>	<p>various body attributes i.e. Color, size, ROI etc.</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			zone exit/disappearance		
110.	Volume-II	231	VMS shall Attribute base search on at least 30% of cameras to search the person on the basis of attribute like gender, type and colour of clothes and image of person from the CCTV feeds and should able to run on multiple cameras to track the person	In page no. 66 part of video management software its mentioned same requirement on 50% of cameras please clarify these functionality required for 30% of cameras or 50% of cameras.	50%
111.	Volume-II	300	Annexure 11 Use Cases Serial No. 3, Column No. 2 CCC Integration and Supported Functionality Video System Functionalities :-System Communication Connect and authenticate Connect/disconnect status detection Sensor State Display Alarm	We understand this mentioned functionality of City Surveillance need to be accessible through CCC / IOP GUI. Please confirm.	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Failure Tamper Outputs/inputs Dry contacts Relay outputs Video Capabilities Live video Playback recorded video Playback recorded audio (depends on sub- system)Export live video Export live audio (depends on subsystem)Export recorded video Export recorded audio (depends on sub- system)Start/stop recording/preset Live video\audio in external monitor (depends on subsystem)Snapshot (depends on subsystem)OSD parameters Virtual tours Virtual tours discovery Layout discovery (depends on sub-system)External monitors discovery		

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Sensors discovery Video favouritesdiscoveryPTZ identification discovery Camera		
112.	Volume-II	48	c) Attributes of API key(s) must restrict / allow access to relevant data, i.e. (attributes can be like: specific domain (either lighting or waste, etc. or combination of these), RO / RW, specific to tenant (city, street within city, etc.)).	Various platforms may have different mechanisms for access restriction and request to consider alternate methods.	RFQ cum RFP Prevails
113.	Volume-II	49	It should help produce new applications, and/or use solution APIs to enhance or manage existing solution free of cost. The IoT platform vendor shall have technology labs via an online public facing web interface.	Various platforms have different way of sharing the API's with partners. Some times even local installation in partner lab is also required to minimize the dependancies. So, request to allow alternate ways for API sharing with partners.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			These labs should be available 24X7.		
114.	Volume-II	49	Platform OEM should have published the normalized APIs in their website for the listed domains (Parking, Outdoor Lighting, Traffic, Environment, Urban mobility etc.) to allow sensor vendors and app developers to develop their connectors / adaptors to the platform	Again, it should be up to platform OEM to decide the method of sharing API's with partners. Different ways can be i) Online lab ii) Local lab in partner office iii) Access on project site iv) Simulator programs etc. . Request to provide flexibility.	RFQ cum RFP Prevails
115.	Volume-II	69	600 cameras recording @ 30 days @ HD 1080P @ Mini. 3 Mbps. § 100 Cameras recording @ 30days @ 5MP @ min 8 Mbps.	Please give clarity on video recording storage sizing provisioning. 1) Do we need to record all the 600 cameras in OCC as well as CCC in redundant mode? Or 2) Overall cameras will be divided in OCC and CCC with each having N+1 recording provision.	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
116.	Volume-II	67	Off-Line Video Analytics	Analytics run on live videos so as user can get the alerts in real time. Running the analytics offline will not be much useful, so request to make it On-line video analytics.	RFQ cum RFP Prevails
117.	Volume-II	121	2.11. COMPONENT 11: Integration and Common Components	Multipal systems are referred in the document at different places, with some already existing and some to be actually deployed as a part of current scope. We request to provide a simple excel table containing a list of systems, status (Existing or to be supplied, or Future), Integration requirement with ICCC so as we can be very clear of the overall scope of work.	RFQ cum RFP is clear
118.	Volume-II	133	6.2. Server room	Server room will be housed in OCC or CCC? Or it will be a separate location from both? Is there any DR site in current scope of tender?	Refer Addendum Sr. No. 4
119.	Volume-II	139	6.2. Server Room - Storage 1.25PB	Data center and OCC have different storage size mentioned	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				i.e. 1.25PB and 500TB. If DC and OCC has to be a replica.	
120.	1.1. Technical Architecture requirements. (1) Scalability	16	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users.	1000 users for DC and DR is too high, please reconsider. These users means the staff of DC/DR operators. The userbase at CCC is just 20. please clarify.	Aurangabad city, covering all municipal departments along with police department and smart city components.
121.	Scope of work	35	Both Server Room and cloud DR Site shall work in an Active-Active mode.	Does this mean that all the applications (including DB, Master application and recording application for Video management system) will be running parallelly in both DC and DR. If yes, what should be the data retention at DR site?	Refer Addendum Sr. No. 4
122.	Backup software	37, point 2'	§ Backup solution should not require purchase of additional	additional licenses for VMS DR site license and channel licenses will be required equal to the	As per bidder solution,

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			licenses for DR sites (copies of original data), also should not require purchase of additional licenses for replication to DR sites.	number of DC considering 100% production caacity in DR as of DC. Any future increaent in number of video channels shall attract dditional liness at DC and DR.	bidder to ensure that all the RFQ cum RFP requireme nts are met as minimum.
123.	Data Aggregation, Normalization and Access:	48	g) Platform should support distributed deployment of functions (workflows & policies) across city's network and compute infrastructure with centralized management and control.	the asked functional requirement is indeed must have feature but deployment of such functions with workflows and policies is feature of Command and Control Appliation. The authorities are requested to limit this requirement upto CCC application only.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requireme nts are met as minimum.
124.	Video Management Systm	66	· VMS shall support retrieving data from edge storage. When a lost or broken connection is restored, it shall be possible to	if the connection is broken between the camera and central site, retrieving the stored video from SD card to th central storage can not take place.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			retrieve the video from SD card and store it on central storage.	Please limit this requirement to "record the video into the SD card if the connection between camera and central site is broken and transfer it to central storage of camera-central site disconnection period once the connectivity is restored"	
125.	Video Management System	66	VMS shall be capable of tracing of a specific person / missing child on the basis of attribute like gender, type and colour of clothes including its current full body image in multi-camera videos: Track a specific person across several surveillances (e.g., to trace and identify criminals and/or anti-social elements) on the map such functionality should be available for 50% of fixed cameras	<p>the asked functional requirement is a "Must have" feature. Since the asked functional requirement is a part of "Attribute based Search" system, please update this clause as</p> <p>"MS must be capable of a specific person / missing child on the basis of attributes like gender, type and color of clothes including its current full body image in multi camera videos using "attribute based search" module. The attribute search must be a part of offered Video management system and shall use all cameras archived video in a seamlessly integrated manner.</p> <p>The attribute based search</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>must use western as well as Indian attributes search filters such as a person in Lungi / Dhoti, kirta pajama, turban and a female wearing saree / Hijab / suit salwar / dupatta etc...</p>	
126.	Video Management System	66	<p>VMS shall allow the administrator to distribute camera load across multiple recorders and shift the cameras from one recorder to another by simple drag and drop facility.</p>	<p>the assignment of specific cameras to specific recorder will be a breach to security and against secure and tamper proof recording clause. Please update the clause as "the VMS system shall assign the all the cameras (including existing and newly added cameras) to the bunch of recording servers in an automatic and load-balanced manner without any user / manual intervention" the same mechanism shall also work to achieve high-availability / redundancy such that in the event of one of the recording server failure, the cameras associated to the failed server shall get distributed to the other live servers in fully automatic</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				and load distributed mannner with-out any manual or human / operator intervention."	
127.	Video Management Systm - VMS General68	68	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object	Object size and speed may vary from a camera Field of view to another Field of view baed upon the placement and viewing angle. In such a case the object size and seed will have no reference values and can not be co-related with the actual size and/or speed. similarlyly object color will be different in different illumination levels. the asked use-case has got no specific relevance to this specific project and will have challanges in order to deal with multiple false alerts hence the authorities are requested to relax this requirement.	RFQ cum RFP Prevails
128.	Video Management Systm - VMS General68	68	§ System shall provide the capability to digitally sign recorded video.	please udpate this clause as "§ System shall provide the capability to digitally sign recorded video. The digital signatures shall be made available to VMS OEM by MSI /	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				end-user along with the required interface for integration with digital signatures"	
129.	Video Management System - VMS General68	68	Competent authority will review the flag data every 30days and will decide to archive some of it to secondary storage	<p>does the review of the flagged data will take place during the flagged data retention period of 90 days OR this data will be reviewed after the retention period of 90 days such that the authorities may decide to further retain such flagged videos or to delete such videos.</p> <p>IF the reveiw of video will happen after 90 days of retention and in case authorities decide to further retain such videos for any reasons, what will be the upper limit to retain such critically flagged video data post 90 days and what is the approx %age of such video that needs to be retained further.</p> <p>this information is required in order to calculate the size the required storage in DC</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
130.	VMS Configuration	70	Configuration tool shall support multiple concurrent users of the system, providing the ability to automatically update. It shall also allow the codec and camera configurations to be imported and exported in excel format.	exporting the camera configurations and further importing the configured parameters may be a breach to the highly critical camera configurations and is not safe. Please update this clause as below "the VMS camera configuration GUI logged-inn by an Administrator or equivalent credentials" shall allow user to replicate the camera configurations to another camera / all cameras in a group of cameras / multiple groups and all cameras in the given site by just one click using "copy and paste" manner. this shall allow user to quickly replicate the camera configuration to multiple cmaeas / all cameas in a safe, secure and quick mode."	RFQ cum RFP Prevails
131.	VMS User Hierarchy:	71	Within the hierarchy, each user's log-on password shall not only allow access to varying levels of system	Relative Priority between users of equal rights with in the hierarchy may lead to conflicts of interest between users sharing equal rights.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>functionality, but shall provide for relative priority between users of equal access rights.</p>	<p>Please update this point as "the user rights as assigned by the administrator shall not be exposed to other users / group of users. Only administrator or equivalent user with administrator level credentials shall be allowed to assign varying profiles to the users as required restricting other users to view other users credentials" Only Administrator shall be able to create Clone of admin by creating / assigning administrator level user rights to another user. Though the administrator can create another user of administrator or equivalent user credentials such that the admin clone can further create users, assign credentials and delete users, the clone admin (Equivalent to administrator) can not delete the default admin user however, the default administrator can delete any other user including its clone.</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
132.	Manual or on demand recording	73	<p>§ Recording shall also be initiated on-demand by manual triggers from system operators e.g. keyboard key-stroke (subject to user rights).</p> <p>§ System shall allow for an operator to initiate recording on any live stream being viewed.</p>	<p>recording schedules and parameters are defined by the VMS System Administrators only. Any change in recording parameters (to start / stop recording other-than admin defined schedule and parameters) by monitoring operators is a serious security breach. However, in order to achieve the mentioned functional requirement, pls update this clause as below.</p> <p>"§ Recording shall also be initiated on-demand by manual triggers from system operators e.g. keyboard key-stroke (subject to user rights).</p> <p>§ System shall allow for an operator to initiate recording on any live stream being viewed.</p> <p>§ the operator defined trigger to initiate recording on-demand basis or by manual trigger or any live stream in a single or multiple camera matrix being viewed in operators workstation shall start / stop manual</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>recording.</p> <p>Such operator defined recording shall be stored in the local workstation on which the manual trigger to start recording is initiated.</p> <p>This recorded video file shall be a separate and local video recording which shall be over and above the video which is being recorded in Central storage at data center as per administrator defined recording parameters.</p>	
133.	VMS Review System	73	<p>§ Deliver live video to VMS workstation within a period of one second from manual call up</p> <p>§ Deliver live video to VMS workstation within a period of three seconds from automatic alarm</p>	<p>to deliver the live video on manual call up OR upon receipt of alarm in the given timespan is subject to network latency and bandwidth availability between workstation and storage. The Authorities are requested to update the clause as follows "with No network latency and steady bandwidth between user workstation and central storage as required and defined by VMS</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			receipt on alarm interface	<p>OEM the system shall be able to</p> <ul style="list-style-type: none"> § Deliver live video to VMS workstation within a period of one second from manual call up § Deliver live video to VMS workstation within a period of three seconds from automatic alarm receipt on alarm interface <p>§it shall be in the scope of MSI / prime bidder to provide latency free network with steady bandwidth as per VMS OEM defined network and bandwidth requirements un-less not specified by the Employer in the RFP</p>	
134.	VMS Review System	74	<p>§ Playback multiple, synchronized recorded streams at differing speeds and frame rates.</p> <p>Record and playback a video stream simultaneously at differing speeds and</p>	<p>playback of the video will be of same speed and video resolution at which it was originally recorded. To ensure the playback at originally recorded video parameters, please update this clause as below</p> <p>"The system shall be able to playback multiple, synchronized</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			frame rates	recorded streams at different speeds and framerates at which the video stream was configured to record. it shall be possible to configure different cameras at different FPS and resolution"	
135.	VMS Review System	74	§ Security file lock to prevent specific recorded files from being overwritten regardless of their date and time, in addition to those records stored as PPE clips. The duration and policy for retention of such videos would be same as that of the PPE clips	Clause not clear. Please elaborate what is PPE clip stands for. Looks like a specific VMS OEM influenced specification, please relax such proprietary specifications	RFQ cum RFP Prevails
136.	VMS Review System	75	Alarm shall include associated predefined operational workflow procedures to provide the operator structured guidance as well as assistive information for successfully managing	The alarm handling by the means of operational workflow / procedures and the management of incidents by completing tasks and/or adding information to an incident in adaptive way while running an operational workflow is a key component of Incident	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>an incident. It shall allow collaboration by involving other system users as stakeholder that can have access to the incident and contribute to the incident's management by completing tasks and adding information to it.</p>	<p>Management System which is an encapsulated module of command and Control framework.</p> <p>Considering Command and Control framework as a separate application, the authorities are requested to move this requirement in the scope of Incident Management System / command and Control system.</p> <p>The ask for IMS specification under VMS functional requirements will favor a specific OEM having in-house CCC/IMS and VMS and by restricting many VMS OEMS to participate in the said opportunity</p>	
137.	Video Analytics	76	Person Search	<p>The word "person search" if read alone is very confusing. Please define parameters for person search so that the appropriate application module can be offered with clear understanding of the asked use-</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>case.</p> <p>Please specify if the person search is asked by using a facial recognition system where-in the person from live videos / recorded video files and other media files can be searched in pictures / faces stored facial gallery</p> <p>OR</p> <p>Please specify of the person search is asked using attribute based search where-in the system allows to create an Avtar of a person based upon its facial attributes such as hair,beard,eyes, eyebrows, nose, color tone , lips , ears etc</p> <p>OR</p> <p>an attire based attributes such as person sex / height/ color of clothes, type of clothes such as wearing western suit or pants / half-pants / lungi (full or half), t-shirt / shirt / kurta pajama / wearing topi or turban or females wearing saree / hijab and etc...</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
138.		Future Proof Design	<p>Look and feel of the control room shall be ultra-modern & unique. To solve monotony in control room in future, the wall cladding / panelling shall have inbuilt design in at least 20% tiles to change the colour without ordering new items. Control Room Solution Provider to propose at least three colour options during approval stage which may be achieved by using the same material at no additional cost. Conventional Gypsum, wood and painting work shall be deemed unacceptable in the control room area as these are [prone to mould formation (bacteria colonies) and requires mandatory maintenance every three years, the mandatory maintenance shall affect the routine</p>		No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			operations of the control room.		
139.	Volume II/ 2.26 ADC, ADC.002	190	The appliance should have minimum 8 x10G SFP+ data interfaces from day one, The appliance should support Minimum 32GB RAM and 2*SSL ASICS/FGPA/cards with network virtual function support	Considering the current and future network function requirement asked in the RFP need to assign dedicated resources as Interfaces, RAM, CPU & Memory hence request you change this point to "The appliance should have minimum 16 x10G SFP+ data interfaces from day one, The appliance should support Minimum 128GB RAM and 2*SSL ASICS/FGPA/cards and 2TB HDD with network virtual function support"	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
140.	2.26 ADC, ADC.002	page 190	The appliance should have minimum 8 x10G SFP+ data interfaces from day one, The appliance should support Minimum 32GB RAM and 2*SSL ASICS/FGPA/cards with	The appliance should have minimum 16 x10G SFP+ data interfaces from day one, The appliance should support Minimum 128GB RAM and 2*SSL ASICS/FGPA/cards and 2TB HDD with network virtual function support	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			network virtual function support		nts are met as minimum.
141.	MSI_Vol_II_241020 18 - Server Room Firewall	169	The Firewall appliance should be a purpose-built appliance based solution with integrated functions like Firewall, VPN and User awareness. The product licensing should be device based and not user/IP based (should support unlimited users except for VPN). The hardware platform & Firewall with integrated SSL/IPSec VPN application has to be from the same OEM. The quoted NGFW OEM must have NSS Lab's Recommended rating as per latest NSS Labs NGFW Methodology testing with a minimum	For critical data center setup such as Smart City, server room firewall (internal / core) firewall is very critical components from security perspective as it is going to protect server infrastructure like database etc. Such critical component should deliver ideally close to 100% .security effectiveness. So we are requesting to ask for minimum 99% security effectiveness. Also we are recommending to mention NSS labs test report year. NSS has published 2018 report so pls ask for the same.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			exploit blocking rate of 95%.		
142.	Volume II/ 2.27 Data Leakage Prevention and Email Security	197	The solution should have a comprehensive list of pre-defined policies and templates with over 1700+ patterns to identify and classify information pertaining to different industry like Energy, Petroleum industry vertical etc and India IT Act.	The pre-defined template restricts the protection of sensitive data, the DLP should have auto classification inbuilt to protect sensitive data which not cover by pre-defined templates. The amend the clause as The solution should have a comprehensive list of pre-defined policies and templates with over 1700+ patterns and auto classifications to identify and classify information pertaining to different industry like Energy, Petroleum industry vertical etc and India IT Act	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
143.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	121	Application should have bank interface for payment gateway	1. We assume that banks will have own implementations of Payment Gateways and that Gateway would be on-boarded into the applicatuion. 2. We also assume that the contract for integration would be between Client and the Bank. 3. How many payment gateways	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				need to be integrated as part of the current scope?	nts are met as minimum.
144.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	121	Application should have interface social media	1. What/Which social media and what is the type of integration that we need? 2. Will it be social media based login or embedding Social Media account in application or anything else?	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
145.	Volume II/ Section 2.10. COMPONENT 10: Aurangabad Citizen Mobile Application and Website,	120	Complaint registration & status tracking of any city services	1. Is it the MSI's responsibility to develop the Complaint Management System or is it just an integration with a provided CMS? 2. For status tracking, who will provided the APIs? How many such services are there?	RFQ cum RFP is clear, MSI is supposed to develop CMS system along with its integration

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
146.	Volume II / 2.2. COMPONENT 2: Command Control Centre (CCC) for Police B. Scope of work C. Solution Requirements DR Disaster Recovery Site	3	4 MSI should provide cloud based Disaster Recovery (DR) Centre. The Cloud Service Provider shall be MeitY empaneled & STQC audited as per Ministry of Electronics and Information Technology (MeitY) as on bid submission date. In addition, CSP shall be empaneled with Department of Information Technology (DIT), MaharashtraDR site shall provision to cater to 100% load of smart city system	Please better elaborate Cloud based Disaster Recovery, what kind of Cloud is being planned for the solution, Please elaborate the location of cloud along with the available throughput for video data transmission.	RFQ cum RFP is clear. Cloud services shall be as per bidder design. CSP should be MeitY & DIT (Government of Maharashtra) empaneled service provider.
147.		133	6.2. Server room	Server room will be housed in OCC or CCC? Or it will be a separate location from both? Is there any DR site in current scope of tender?	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
148.		139	6.2. Server Room - Storage 1.25PB	Data center and OCC have different storage size mentioned i.e. 1.25PB and 500TB. If DC and OCC has to be a replica.	RFQ cum RFP Prevails
149.	Volume-II	68	Storage of video: System shall store online thirty (30) days of video for all cameras on SAN/NAS storage	Do we need to record all the cameras in Server room as well as DR for 30 days?	Refer Addendum Sr. No. 4
150.		ROHS	RoHS (Restriction of Hazardous Substances) certified ceiling, wall paneling & Control desk to ensure restriction of hazardous substance.		No Change
151.	Volume II/24.11 Annex-K (Disaster Management) point 7 "Seismic Rehabilitation of Existing Buildings"	341	Description "Standards for Seismic retrofitting of existing building including steps to better protect non-structural components (suspended ceilings, non-load-bearing walls and utility systems) and building contents (furnishings, supplies,	Control room is a significant place so it is imperative that the same must be designed properly in terms of Safety, Aesthetics, Ergonomics and Functionality. Mentioned clause of the tender specs speaks about Seismic Standards however, in this tender design details of Seismically qualified ceiling, wall paneling (non load bearing walls)	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			inventory and equipment)"	and control desks are not defined clearly. Hence it is requested to refer below details and incorporate the same. It is recommended to use the following text for seismic qualification of interior items:- <u>"Wall panelling, ceiling & desk system shall be seismic zone 5 tested and certified from government approved test laboratory on the name of Control Room Solution Provider."</u>	
152.	Volume II	69	600 cameras recording @ 30 days @ HD 1080P @ Mini. 3 Mbps. § 100 Cameras recording @ 30days @ 5MP @ min 8 Mbps.	Please give clarity on video recording storage sizing provisioning. 1) Do we need to record all the 600 cameras in OCC as well as CCC in redundant mode? Or 2) Overall cameras will be divided in OCC and CCC with each having N+1 recording provision.	All cameras shall be recorded in CCC.
153.	Volume II/ Server Room Firewall	169	The Firewall appliance should be a purpose-built appliance based	For critical data center setup such as Smart City, server room firewall (internal / core) firewall	As per bidder solution,

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>solution with integrated functions like Firewall, VPN and User awareness. The product licensing should be device based and not user/IP based (should support unlimited users except for VPN). The hardware platform & Firewall with integrated SSL/IPSec VPN application has to be from the same OEM. The quoted NGFW OEM must have NSS Lab's Recommended rating as per latest NSS Labs NGFW Methodology testing with a minimum exploit blocking rate of 95%.</p>	<p>is very critical components from security perspective as it is going to protect server infrastructure like database etc. Such critical component should deliver ideally close to 100% .security effectiveness. So we are requesting to ask for minimum 99% security effectiveness. Also we are recommending to mention NSS labs test report year. NSS has published 2018 report so pls ask for the same.</p>	<p>bidder to ensure that all the RFQ cum RFP requirements are met as minimum.</p>
154.	Volume I/, section 1.2 point number 1	1	MSI shall make a detailed survey of communication (OFC) network of a Service Provider & electrical	Does authority have the GIS map data of proposed locations available with them?	No. The bidder must carry out his

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			supply network availability of MSEDCL and GIS mapping of proposed locations of all CCTV cameras, Smart Bus Stops, IoT Sensors (Environment, etc.), Wi-Fi spots, Display Signage, Traffic Lights, Solid Waste Management Infrastructure, etc		own study to as given in the RFQ cum RFP document.
155.	Volume I/, section 1.2 point number 10	3	MSI shall integrate the following systems with the City Operation Command Centre: · E-Governance System · Smart LED Lighting · GIS mapping for Aurangabad City	Please clarify about the integration with GIS mapping of Aurangabad City. Does authority have the GIS map data available with them?	No. The bidder must carry out his own study to as given in the RFQ cum RFP document.
156.	Volume II/Section 1.2	20	MSI shall ensure there is a 24x7 comprehensive onsite support for duration of contract for respective components to meet	We understand 24x7 support is required for overall Smart City solution along with Standard support for GIS OEM	RFQ cum RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			SLA requirement. MSI shall ensure that all the OEMs understand the service levels required by ASCDCL		
157.	Volume II/ Section 2.11	121	MSI shall be responsible for providing GIS map of Aurangabadcity which shall be a common platform across all solutions including City Wi-Fi, City Surveillance, Smart Bus Stop & Smart Transport, ICT enabled SWM, etc.	Is there any requirement of exisintg GIS data migration from various data sources of departments to central GIS database?	The bidder must carry out his own study to as given in the RFQ cum RFP document.
158.	Volume II/Section 2.11	122	GIS details procured shall include the following data with attributes: <ul style="list-style-type: none"> · Road Network. · City Arterial Roads. · Streets · Administrative boundaries- 	What is the scale required for mapping the layers?	The bidder must carry out his own study to as given in the RFQ cum RFP document.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
159.	Volume II/ Section 2.11	122	Same as above	Kindly clarify if Aurangabad smart city will provide available data of Pincode polygons, locality and sub-locality polygons for address layer as well?	The bidder must carry out his own study as given in the RFQ cum RFP
160.	Volume II/ Section 2.11	122	Same as above	Kindly confirm if Authority will procure or already have Satellite images of pan city area for Base map preparation?	No. The bidder must carry out his own study and procure necessary input to meet the RFQ cum RFP requirement.
161.	Volume II/ Section 2.11	122	Same as above	Does the department give all the necessary data for base map creation or MSI need to conduct city survey for base map preparation?	No. The bidder must carry out his own study

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					and procure necessary input to meet the RFQ cum RFP requirement.
162.	Volume II/ Section 2.11	123	System shall support Mobile platform, Android and Windows	Please clarify the GIS mobile application scope? Is it required to be a public facing mobile application or department specific mobile application? What functionalities are expected if for the same?	RFQ cum RFP cum RFP Prevails. It shall be both for department as well as for Public.
163.	Volume II/ Section 2.11	123	C. Solution requirement	Please let us know the number of Users accessing GIS application: -Internal intranet web GIS users (tentative) -Public facing internet web GIS users (tentative)	As per the bidder's design.
164.	Volume II/ Section 2.11	123	System shall allow the users to perform	GIS is the heart of any smart city and requires more advanced	RFQ cum RFP cum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			advanced spatial analysis like geocoding, routing, buffering and attribute based analysis.	analytics such as dynamic Geo-dashboards, field data collection & survey using mobile apps, spatial analytics like site suitability analysis, hot spots based on the historical events to get the hidden insights, crime & law enforcement analytics, analyze traffic accidents in space and time, find best locations for the infrastructure and city planning, predictions based on the GIS location patterns and back office and field operations. Please consider these as well in the RFP.	RFP Prevails.
165.	Volume III/ Section A Point number 10.19	13	MSI shall ensure that the documentation and training services associated with the components shall be provided by the OEM partner or OEM's certified training partner without any additional cost to ASCDCL	We understand there is a requirement of GIS application training to users as a outcome of overall Smart City solution project	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
166.	Volume III/ Section A Point number 10.20	13	The training has to be conducted using official OEM course curriculum mapped with the hardware / Software Product's to be implemented in the project.	We understand there is a requirement of GIS application training to users as a outcome of overall Smart City solution project	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
167.	Volume II/ Box Camera- FIXBOX6	229	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Can we have a clarity about the resolution expected in each of the triple steams asked for in the tender? For example, we are not sure if the customer will require a 5MP resolution in all the three streams or just one or two streams. Request for clarification.	All Cameras
168.	Volume II/ PTZ Camera- PTZ013	227	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Can we have a clarity about the resolution expected in each of the triple steams asked for in the tender? For example, we are not sure if the customer will require a 5MP resolution in all the three streams or just one or two streams. Request for clarification.	All Cameras

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
169.	Volume I/ 1.4, 1, Method of Selection	Page No 4	Method of selection shall be Quality & Cost Based System (QCBS). Contract will be awarded to the bidder quoting highest 'combined evaluation score' post technical qualification. Prices inclusive of any applicable taxes, levies etc. will be considered for arriving at L1 price.	We request the following amendment: Method of selection shall be Quality & Cost Based System (QCBS). Contract will be awarded to the bidder quoting highest 'combined evaluation score' post technical qualification. Prices exclusive of any applicable taxes, levies etc. will be considered for arriving at L1 price.	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
170.	Volume I/ 2.15, c, Bid Price	Page No 14	Prices quoted by the Bidder for unit rates shall remain firm during the entire contract period and not subject to price variation on any account. A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.	We request for following amendment in this clause: Prices quoted by the Bidder for unit rates shall remain firm during the entire contract period and not subject to price variation on any account except any statutory changes in taxes/ levies . A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.	Please refer Addendum Sr No 2.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
171.	Volume I/, 2.31	Page No 23	At the time of award of contract and post award of work , the quantity of goods, works or services originally specified in the bidding documents may be increased. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents. In the event, either the goods, works or services for which variation is sought after award of work then the same shall be done through Change Request Note.	<p>We understand that the change in quantity of goods, works or services originally specified in the bidding document, which may increased is applicable at the time of award of contract. Please confirm.</p> <p>In case the Post award the same shall be applicable through change request note. Please confirm.</p> <p>Otherwise we request: Any variation shall be stand valid within 6 months of signing of the contract.</p>	<p>RFQ cum RFP RFQ cum RFP RFP Prevails.RFQ cum RFP Prevails</p>
172.	Volume I/ 3.7/Technical Bid Criteria & Evaluation-Point No A.1	Page No 32	Bidder (Lead Bidder in case of Consortium) should have experience in executed ICT projects worth at least INR 60 Crore.	<p>Please Clarify whether 100 Cr represents 1 No of Project or value from multiple projects.</p> <p>In case of ongoing large project, is it qualify if relevent client certificate mentioned the</p>	<p>RFQ cum RFP RFQ cum RFP RFP Prevails.RFQ cum RFP is clear</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				desired value as specified in this clause?	
173.	Volume I/ Annexure 5- proposed Bill of material- Section K.1	Page No 71	Video Analytics Software & Licenses.	It is always advisable to have analytics in the fixed types of limited numbers of cameras to achieve the objective of Artificial Intelligent, so request to optimise the licenses of Video Analytics.	RFQ cum RFP Prevails.RFQ cum RFP Prevails
174.	Volume I/ Annexure 5- proposed Bill of material- Section G.1	Page No 70	Wireless Controller	Quantity considered in the Bill of material for this line item is 1 No which appears to be less for controlling 700 Nos of Access Points as mentioned in the BOQ. Kindly Clarify.	As per bidder solution
175.	Volume II/ 1.2 (XXXV), Other Requirements	Page No 23	All project associated costs related to electricity (including one-time connection cost, meter cost and recurring electricity usage costs) for field equipment, CCC, OCC, Server Room etc. shall be borne by the MSI. All necessary coordination for electricity related	We request to reimburse the recurring cost on actual basis and amend the clause as below: All project associated costs related to electricity (including one-time connection cost, meter cost) for field equipment, CCC, OCC, Server Room etc. shall be borne by the MSI. All necessary coordination for electricity related connections shall also be	RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			connections shall also be under the scope of MSI. However, MSI shall bury cost of electricity in their commercial bid. GPS subscription charges of 100 buses in O & M period shall be part of their commercial Bid	under the scope of MSI. However, MSI shall bury all such cost of electricity in their commercial bid. But, recurring electricity usage costs shall be reimbursed on actual basis to MSI on production of relevant supporting documents. GPS subscription charges of 100 buses in O & M period shall be part of their commercial Bid	
176.	Volume III/ 10.11	Page No 13	The software licenses shall not be restricted based on location and ASCDCL should have the flexibility to use the software licenses for other requirements if required.	All the software shall be given by different OEMs in the name of ASCDCL for specified project only. The software use for other requirements may not be possible.	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
177.	Volume III/ 12.2, B, Phase II	Page No 20	Payment Schedule: Supply, Installation and Integration: 25% of contract value in proportion to the value of works completed per	We Request the following amendment in this clause: Supply: 20% of contract value and paid on completion and Go Live of each component Installation and Integration:	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			the work schedule (enclosed in Annex III).	5% of contract value and paid on completion and Go Live of each component	
178.	Volume III/ 15	Page No 23	MSI shall indemnify ASCDCL from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:	We request the same kind of indemnity from ASCDCL to bidder.	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
179.	Volume III/ 29	Page No 32	Limitation of Bidder's Liability towards ASCDCL	Kindly confirm the liability is limited to: 1) Cost equivalent to loss or damage 2) Not more than the project cost in any event; 3) Cost as compensated out of Insurance	RFQ cum RFP cum RFP Prevails.RFQ cum RFP Prevails
180.	Volume III/ 34	Page No 34	Confidentiality	We request to make this clause mutual and applicable to both i.e. ASCDCL and bidder.	RFQ cum RFP cum RFP Prevails.RF

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					Q cum RFP Prevails
181.	Volume III/ 37.1	Page No 37	Consequence of Termination	Please confirm for the payments to be made to bidder if the contract is being terminated for the default of authority or by convenience of authority	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
182.	Volume III/ 38	Page No 38	Change Control Note (CCN)	We understand that all the payments on account of CCN shall be governed by agreement Payment Terms. Please confirm.	RFQ cum RFP is clear
183.	Volume II/ 3.3 Dome camera specification DMO5	232	Autofocus, P- IRIS 3-9 mm, F1., remote zoom and focus, IR corrected	This is OEM specific standard lens size is from 4-9mm. Please allow healthy competition . Lens should be motorized varifocal	RFQ cum RFQ cum RFP Prevails. As per bidder solution. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as minimum.
184.	Volume II/ 3.3 Dome camera specification DMO9	232	True WDR upto 90 DB	WDR should be 120dB as standard oems have product upto 120 dB . This gives better image in contrast lighting conditions	RFQ cum RFP Prevails.RFQ cum RFP Prevails
185.	Volume II/ 3.3 Dome camera specification DMO1	232	H.264	H.265 is latest compression technique and can give you bandwidth compression upto 50% over H.264.Please include H.265	RFQ cum RFP Prevails.RFQ cum RFP Prevails
186.	Volume II/ Section 7.1 DSN.REQ.003	268	Pixel Pitch-8/6/5 mm as per location requirement	We suggest to have one standard 6 mm pixel pitch	RFQ cum RFP Prevails.RFQ cum RFP Prevails
187.	Volume II/ Section 7.1 DSN.REQ.004	268	Pixel Density->15000 Dots/m2	Please change it to 27,777 pixels/sqm	RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
188.	Volume II/ Section 7.1 DSN.REQ.006	268	Refresh Frequency >= 1000 Hz (Adjustable)	Please change it to > 2880 Hz or better	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
189.	Volume II/ Section 7.1 DSN.REQ.011	268	Color >=68 Billion @ 16 bit Processing depth	Please change it to 281 Trillion	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
190.	Volume II/ Section 7.1 DSN.REQ.016	268	Operating Temperature-0 ° C to 55° C	Please change it to '-20°-50°C	RFQ cum RFP is clear
191.	Volume II/ Section 7.1 DSN.REQ.020	268	Certification-CE, FCC, UL/ETL/CB	UL and CB should both be mandatory . BIS should also be mandatory	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
192.	Volume II/ Section 2.1 VWCCC.REQ.011	145	Screen gap-Less than 2mm	Lesser sreen gap will ensure seamless video wall, hence gap should be less than 0.2mm	RFQ cum RFQ cum RFP Prevails.RF

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					Q cum RFP Prevails
193.	Volume II/ Section 2.1 VWCCC.REQ.020	146	Dust Proof Projection Engine- Projection Engine cabinet of Video wall must be dust proof.	Entire projection engine should be Should meet or exceed IP6X standard. Certificate to this effect to be furnished from 3rd party Laboratory	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
194.	Volume II/ Section 2.1 VWCCC.REQ.022	146	Maintenance Access-Rear Maintanance	Cube should be accessible from the front side to save space	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
195.	Volume II/ 3.1 PTZ Specification lens specs	228	Compatible to image sensor, Focal length 4.3–129 m, Auto Iris, Full HD (1080P), IR Corrected – Day / Night mode- Colour	Relaxtion at high and low end of focal lenghth of the prescribed lens range to the tune of $\pm 0.5\text{mm}$ at both ends may be prescribed to provide for wider , fair and healthy competition as more OEMs can comply with the requirement. Recommend higher optic Zoom capability to provide for increased depth of view for distant approaching objects resulting in enhanced	As per Bidder's design. Bidder to ensure that RFQ cum RFP requireme nts are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				surveillance . We request you to kindly modify the lens range to 4.5 mm ± 0.5 mm to 148.5mm ± 0.5mm.	
196.	Volume II/ 3.1 PTZ Specification Pan	228	360° endless, 350°/s	Standard Pan speed for PTZ cameras are between 200°/ s to 240°/s for ease of operation and control. 350°/s is an overkill for PTZ cameras having higher zoom modules and built in IR modules. Sustainable speeds of 240°/ s are normally set to avoid long term damage to the heavy payload for zoom modules beyond 22X.	RFQ cum RFP Prevails.RFQ cum RFP Prevails
197.	Volume II/ 3.1 PTZ Specification Tilt Range	228	Manual/programmable ; speed: 350°/sec; angle :0-180° or proportional speed needs to be provided	Standard Tilt speed for PTZ cameras are between 200°/ s to 240°/s for ease of operation and control. 350°/s is an overkill for Intergrated PTZ cameras having higher zoom modules and built in IR modules. Sustainable speeds of 240°/ s are normally set to avoid long term damage to the heavy payload for zoom modules beyond 22X.	RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
198.	Volume II/ 3.1 PTZ Specification Supported protocol	229	IPv4 & v6, HTTP, HTTPS**, SSL/TLS**, QoS Layer 3 DiffServ, FTP, CIFS/SMB,SMTP, UPnP™,SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP	QoS Layer 3 DiffServ,CIFS/SMB,SNMPv1/v2c/v3(MIB-II) are specific to single OEM and restrictive, Request you to kindly modify the protocols as Qos , SNMP which meets all the OEM specification for fair and healthy competition .	RFQ cum RFP Prevails.RFQ cum RFP Prevails
199.	Volume II/ 3.1 PTZ Certification	229	UL, CE,FFC and EN	FFC is typo error " Request to Kindly modify this clause as under "UL,CE,FCC and EN "	Please read as FFC as FCC
200.	Volume II/ 3.2Box Camera Specifications Certification	230	IPv4 & v6, HTTP, HTTPS**, SSL/TLS**, QoS Layer 3 DiffServ, FTP, CIFS/SMB,SMTP, UPnP™,SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP	QoS Layer 3 DiffServ,CIFS/SMB,SNMPv1/v2c/v3(MIB-II) are specific to single OEM and restrictive, Request you to kindly modify the protocols as Qos , SNMP which meets all the OEM specification for fair and healthy competition .	RFQ cum RFP Prevails.RFQ cum RFP Prevails
201.	Volume II/ 3.2Box Camera Specifications Certification	231	UL, CE,FFC and EN	FFC is typo error " Request to Kindly modify this clause as under "UL,CE,FCC and EN "	Please read as FFC as FCC

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
202.	Volume II/ 3.2Box Camera Specifications Certification	231	Colour, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, Gain Control, , Electronic Image Stabilization, Auto Tracking	Auto-tracking feature is applicable for PTZ as it enables the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault , not for fix box cameras. Thus, requesting you to remove Auto tracking feature from the box camera specifications.	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
203.	Volume II/ 3.4 Dome Camera Specifications Audio	229	Full duplex, line in and line out, G.711, G.726	Kindly modify this clause as under" G.711/G.726 " which meets for all the OEM'S specification for fair and healthy competition	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails
204.	Volume II/ 3.4 Dome Camera Specifications Memory	233	512 MB RAM, 128 MB Flash	512 MB RAM, 128 MB Flash is a specific and restrictive specification which has been specified keeping OEM [AXIS; model number:P3227-LV] in mind, to avoid fair competition and NOT IN THE INTEREST OF A GOVT INSTITUTION like AURANGABAD SMART CITY DEVELOPMENT CORPORATION LIMITED (ASCDCL) .	RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Kindly modify the clause as " Ram & flash memory as per manufacturing standards to meet functionalities/specifications specified in this RFP."	
205.	Volume I/ 3.5. Pre-Qualification Criteria, Point no. 6	Page no. 40	<p>Sole Bidder or any of the consortium member should have experience of implementing following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre <p>Copies of Work Order, Work Completion certificate by Client Entity (on Client Entity</p>	<p>CCTV based Surveillance and City Operation Center/ Control and Command Centre are two different sectors, a company having experience in both the sectors are very limited. Thus we Request you to kindly consider the following changes :</p> <p>"Sole Bidder or any of the consortium member should have experience in implementing at least one of the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre" 	<p>RFQ cum RFQ cum RFP Prevails.RFQ cum RFP Prevails</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			letterhead) and other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of Contract.	or "Sole Bidder or consortium should have experience in implementing of the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre"	
206.	Volume I/ 3.7. Technical Bid Criteria & Evaluation, Point no. A5	Page no. 43	Biometrics Attendance system. Bidder (any consortium member) should have experience in executing project on Biometrics Attendance system Number of Projects % of Max Marks Allotted =>2 100 % = 1 50%	This is a large scale ICT project and Biometric Attendance System has very limited scope in this RFP. Instead we request you to propose a clause to oblige to Quality standards for the various solution proposed. E.g ISO Standards, CMMI Standards Request you to kindly delete this clause.	RFQ cum RFP Prevalis.RFQ cum RFP Prevalis

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
207.	Request for New Additional Clause for Volume I/ 3.7. Technical Bid Criteria & Evaluation, Point no. A5	Page no. 43	<p>The sole bidder or any member in case of a consortium should have CMMi level 3 and above.</p> <p>CMMi level 3 - 2 Marks CMMi level 5 - 3 Marks</p>	<p>It is to be noted that CMMI assessed system integrators follow mature processes and ensure timely and quality delivery of the project and minimizes the risk. CMMI apprasied organizations invariably brings consistency, cost effectiveness, self improvement, city specific customization and anticipation and prevention of future challenges.</p> <p>Furthermore in Large scale ICT projects CMMi certifications are important as they allow more mature Software Development organizations to participate. To ensure highest quality we request you to kindly consider clause as below The sole bidder or any member in case of a consortium should have CMMi level 3 and above.</p> <p>CMMi level 3 - 2 Marks CMMi level 5 - 3 Marks</p>	No change.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
208.	Volume II/ 1.1 section, 1. Scalability	15	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users.	Please provide the indicative count of CCC application concurrent users from Police dept., Municipal dept./any other depts. out of the given 1000 Data center/DRC concurrent users.	As per bidders design. Bidder to ensure that the RFQ cum RFP requirements shall met as minimum.
209.	Volume II/ 1.1 section, 1. Scalability	15	The Applications proposed for various solutions shall be capable of handling growth for next 5 years from Go-Live date.	What is the indicative growth percentage of concurrent users accessing the CCC/other applications in DC/DR for next 5 years.	Bidder to consider industry best practices for expected volume (based on population of Aurangabad city) and

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					performance testing.
210.	Volume II/ section 2.1 , Component 1: Network Backbone	142	MSI should tie up with an Internet Service Provider (ISP) or Telecom Service Provider (TSP) to provide connectivity from Field Device Infrastructure to CCC/OCCC/Server room/ Disaster Recovery Centre / and ASCDCL Offices as required. The bidder shall also include cost for 50 km of OFC in the quoted price.	As per our understanding, MSI should provide network connectivity to Smart elements to OCC/CCC, DC/DR and additionally 50km distance within the city. Please correct, if our understanding is right. And also please provide, the 50Km tentative covering distance/areas with pictorial/map presentations which are missing from Annexure 1.	RFQ cum RFP is clear
211.	Volume II/ Section G. - Provisioning IT Security equipment (Last Para)	35	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. Both Server Room and	Please clarify, if the required functionality of Active-Active of DC & DR is required for some selected set of applications with the availability of this functionality at application level or for all smart applications.	Refer Addendum Sr. No 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			cloud DR Site shall work in an Active-Active mode.		
212.	Volume II/ Section G. - Provisioning IT Security equipment (Last Para)	35	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. Both Server Room and cloud DR Site shall work in an Active-Active mode.	Cloud DR, itself acts as backup location for DC/Server room with high availability in compute & storage. Considering redundancy & HA at Cloud DR will push the project cost/CAPEX/OPEX on higher side. Request authorities to amend Cloud DR with 50% DC capacity of compute & storage for business critical applications with HOT STANDBY setup with Active-Passive mode as per Industry standard practice.	Refer Addendum Sr. No 4
213.	Volume II/ Section G. - Provisioning IT Security equipment (Last Para)	35	MSI shall design the Server Room and DR solution with the necessary load balancing, replication and recovery solution that provide zero RPO (Recovery Point Objective) and RTO (Recovery Time	Considering the Cloud DR requirements, providing 0 RPO is practically not possible. Request to provide feasible value	As per bidders design. Bidder to ensure that the RFQ cum RFP requirements shall

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Objective) of 10 minutes.		met as minimum.
214.	Volume II/ Section C. - Solution Requirements, Disaster Recovery	43	MSI shall establish dedicated connectivity between the Server Room and DR Site for replication & failover.	How many DR drills to be conducted per year?	1 in every 6 months.
215.	Volume II/ Section 2.33 - Network Behaviour Solution System	213	Technical specifications of Network Behaviour Solution system, TOR Switch, Distribution Switch are given but missing from RFP BOM	Line items of Network Behaviour Solution system, TOR, Distribution switch are missing from the RFP BOM. Please include in BOM with indicative quantity at both locations CCC Police server room & OCC Server room	Refer Addendum Sr. No 5.
216.	Volume II/ APT.004	185	The APT appliance should be able to handle min 2 Gbps incoming /outgoing traffic	The APT appliance should be able to handle min 4 Gbps incoming /outgoing traffic.	RFQ cum RFP Prevails.
217.	Volume II/ APT.008	185	Min 4 Copper and 2 x 10G Fibre ports should be provided in APT appliances for achieving	Min 4 Copper and 2 x 10G Fibre ports should be provided in APT appliances for achieving functionalities mentioned. For scalability the appliance should support 4 10G fiber ports	As per Bidder's solution. Bidder to

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			functionalities mentioned		ensure that all RFQ cum RFP requirements are met.
218.	Volume II/ Server Room Firewall	New Point	The solution should support deployment in MTA (Mail Transfer Agent) mode, inspect TLS & SSL	This should be added. In order to inspect and emulate email files, Firewall should support MTA functionality to able to act as MTA also if required	RFQ cum RFP Prevails.
219.	Volume II/ Server Room Firewall	New Point	The solution should be able to detect ROP (Return oriented Programming) and other exploitation techniques (e.g. privilege escalation) by monitoring the CPU flow	CPU level emulation is must as OS level emulation is old technology and can be bypassed. This is must for enhanced security and to detect exploit like ROP, etc	RFQ cum RFP Prevails.
220.	Volume II/ Server Room Firewall	New Point	The solution should be able to emulate and extract files embedded in documents. The solution should Eliminate threats and	This is document scrubbing feature and is must for enhanced security. While the file is emulating, the safe file after document scrubbing can be	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			remove exploitable content, including active content and embedded objects. The solution should Provide ability to convert reconstructed files to PDF format	delivered to user. This will prevent patitent Zero.	
221.	Volume II/ Internet Firewall	New Point	The solution should support deployment in MTA (Mail Transfer Agent) mode, inspect TLS & SSL	This should be added. In order to inspect and emulate email files, Firewall should support MTA functionality to able to act as MTA also if required	RFQ cum RFP Prevails.
222.	Volume II/ Internet Firewall	New Point	The solution should be able to detect ROP (Return oriented Programming) and other exploitation techniques (e.g. privilege escalation) by monitoring the CPU flow	CPU level emulation is must as OS level emulation is old technology and can be bypassed. This is must for enahnced security and to detect exploit like ROP, etc	RFQ cum RFP Prevails.
223.	Volume II/ Internet Firewall	New Point	The solution should be able to emulate and extract files embedded in documents. The	This is document scrubbing feature and is must for enhanced security. While the file is emulating, the safe file after	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			solution should Eliminate threats and remove exploitable content, including active content and embedded objects. The solution should Provide ability to convert reconstructed files to PDF format	document scrubbing cab be delivered to user. This will prevent patitent Zero.	
224.	Volume II/ Internet Firewall	168	Application Control: The proposed system shall have the ability to detect, log and take action against network traffic based on over 2500 application signatures	Application Control: The proposed system shall have the ability to detect, log and take action against network traffic based on over 7000 application signatures	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
225.	Volume II/ 2.20 External Storage -	177	FC, iSCSI/ NFS/CIFS/FCoE	Please remove the FCoE protocol support	As per Bidder's

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	SAN/NAS/ Unified storage/STO.006				solution. Bidder to ensure that all RFQ cum RFP requirements are met.
226.	Volume II/ 2.20 External Storage - SAN/NAS/ Unified storage/STO.008	177	12 Gbps SAS /4 Gbps FC-AL, with auto-sensing,	Please make it 12 Gbps SAS we support.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
227.	Volume II/ 6.2. Server Room Sr. Nos Description	135	LTO (Back Up Drives)	Please share the Specifications of LTO Drives	As per Bidder's solution.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					Bidder to ensure that all RFQ cum RFP requirements are met.
228.	Volume II/ 6.4. Utility Poles Passive and active components	137	POE Industrial switch	Please share the Specifications of POE Industrial switch	RFQ cum RFP Prevails
229.	Volume II/ 6.7. WIFI	138	Authentication server	Please share the specifications of AAA (Authentication Server)	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
230.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	<p>Enterprise Management System (EMS)</p> <p>To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues. Various key components of the EMS to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring 	<p>To ensure SI proposes a robust EMS solution which monitors the performance parameters of the smart services to citizens, its imperative that the proposed EMS should have the following capabilities:</p> <p>Centralized and Unified Dashboard Server Fault & Performance Monitoring Network Fault Management Network Performance Management Network Flow Traffic Monitoring Network Automation Service Management (Help Desk) and SLA Management Service Level Reporting Asset and Inventory Management Auto-Discovery and Inventory Role-Based access control Application Performance monitoring Performance Load Testing SW for web based and mobile apps</p>	<p>As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			System <ul style="list-style-type: none"> • Helpdesk System 		
231.	Volume II/ 3. Testing and Acceptance Procedures 3.1. Testing and Acceptance Procedures	128	Testing and Acceptance Procedures	Is there a recommendation/s for the automation tool to be used for System testing (Functional testing) of the applications (especially Citizen facing applications/portal and mobile app)?	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
232.	Volume II/ 3. Testing and Acceptance Procedures 3.1. Testing and Acceptance Procedures	130	Load Testing: Testing an application under heavy loads, such as the testing of a web site under a range of loads to determine at what point the systems response time degrades or fails.	What is the expected volume of users for the Citizen facing applications/portal and mobile app? And if the volume is significant (since it would be used by citizens of Aurangabad then what is the Performance testing approach bidder should undertake in order to meet the SLA's?	RFQ cum RFP Prevails, however, bidder can propose the additional functionality as part of their design.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
233.	Volume II/ 3. Testing and Acceptance Procedures 3.1. Testing and Acceptance Procedures	130	Load Testing: Testing an application under heavy loads, such as the testing of a web site under a range of loads to determine at what point the systems response time degrades or fails.	It is highly recommended that the SI should use industry grade enterprise software tool towards performance load testing and furnish the results on quarterly basis to ensure citizens get quality apps and performance issues can be avoided.	RFQ cum RFP Prevails, however, bidder can propose the additional functionality as part of their design.
234.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	Enterprise Management System (EMS) To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient	To ensure SI proposes an industry class EMS solution which monitors the performance parameters of the smart services to citizens, its imperative that the proposed EMS should have the following criteria's: Proposed EMS/NMS solution MUST have at least 3 deployments in Indian Government/ Public Sector, monitoring & managing 10,000+ network nodes in each of such deployments. Names must be mentioned at the time of bidding.	RFQ cum RFP Prevails, however, bidder can propose the additional functionality as part of their design.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>management of the system, reporting, SLA monitoring and resolution of issues. Various key components of the EMS to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring System • Helpdesk System 	<p>Proposed EMS/NMS solution must be ISO 27001 certified to ensure security compliances. Proposed EMS/NMS solution must be an industry standard, enterprise grade solution recognized by leading analysts. Proposed EMS/NMS solution must be among the top 10 market share vendors globally. Substantiate with the relevant document/report. Proposed Helpdesk must be ITIL Gold-level certified on at least 10+ processes. Proposed EMS & Performance load testing solution should be from the same OEM. Probable OEM should have their RnD group based out in India. Probable OEM technical support group should be based in different countries covering multiple time zones including India. Probable OEM should have their sales and implementation</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				services running with-in the same origination.	
235.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	<p>Enterprise Management System (EMS)</p> <p>To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues. Various key components of the EMS to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring 	<p>Proposed EMS/NMS solution MUST have at least 3 deployments in Indian Government/ Public Sector, monitoring & managing 10,000+ network nodes in each of such deployments. Names must be mentioned at the time of bidding.</p> <p>This is a smart city initiative and a prestigious project... to ensure SI quotes an enterprise grade tool, we need an EMS tools which is scalable and proven.</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>System</p> <ul style="list-style-type: none"> • Server Monitoring System • Helpdesk System 		
236.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	<p>Enterprise Management System (EMS)</p> <p>To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues. Various key components of the EMS to be implemented as part of this engagement</p>	<p>Proposed EMS/NMS solution must be ISO 27001 certified to ensure security compliances EMS should be a secured solution... hence this certification should be tagged to EMS to ensure there are no lapse in terms of security.</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			are: <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring System • Helpdesk System 		
237.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	Enterprise Management System (EMS) To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues. Various key components of the EMS	Proposed EMS/NMS solution must be an industry standard, enterprise grade solution recognized by leading analysts A proven and scalable solution is required to manage the scale of IT Infra of a city. it should be recognized by some leading analyst to ensure that the citizens have a positive experience towards the services offered under smart city.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring System • Helpdesk System 		
238.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	<p>Enterprise Management System (EMS)</p> <p>To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues.</p>	<p>Proposed EMS/NMS solution must be among the top 10 market share vendors globally. Substantiate with the relevant document/ report. The EMS solution proposed by the SI should be enterprise grade and it should be used and accepted globally... basically a proven and a scalable solution is required to manage the IT Infra to a scale of a smart city</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>Various key components of the EMS to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring System • Helpdesk System 		
239.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	<p>Enterprise Management System (EMS)</p> <p>To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA</p>	<p>Proposed Helpdesk must be ITIL Goldlevel certified on at least 10+ processes. Helpdesk tool should be verified and proven... hence to manage the load of incidents and tickets across the city... it should be a scalable and a robust solution and it should at least have 10 processes certified on Gold Level.</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>monitoring and resolution of issues. Various key components of the EMS to be implemented as part of this engagement are:</p> <ul style="list-style-type: none"> • Network Monitoring System • Server Monitoring System • Helpdesk System 		
240.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	Tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of this Project.	Please specify OS flavours to be used in this RFP	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
241.	Volume II/ B. Scope of work	37	Proposed helpdesk solution must provide	For all next gen solution mobile based ITSM is a key for smooth	As per

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Server Room and cloud based DR, h) Back Up Software:		flexibility of logging, viewing, updating and closing incident manually via web interface for issues related to surveillance project.	operation and functioning , please add clause " ITSM must have mobile based apps as well"	Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
242.	Volume II/ B. Scope of work Server Room and cloud based DR, h) Back Up Software:	37	Helpdesk should be an ITIL certified tool for Incident, Problem, Change, Knowledge, Configuration and SLA Management processes.	Our suggestion to modify clause as "Helpdesk tool should be verified and proven... hence to manage multiple incidents/request/problems and tickets across the city so it should be a scalable and a robust solution and it should at least have 10 processes certified on Gold Level"	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
243.	Volume II/ B. Scope of work Server Room and	37	Solution should support requirements of the auditors requiring	This is a generic requirement and would need multiple tools and inputs from different system,	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	cloud based DR, h) Back Up Software:		technical audit of the whole system.	please put the requirement out of EMS, else please share more details on 'whole system'	
244.	Volume II/ 2.24 Centralized EDR 186	186	The offered solution should perform the following min tasks at endpoints: a. Endpoint Firewall b. Endpoint Application Control c. Media Encryption on HDD and USB d. Prevention of C&C and BOT traffic directly at endpoint e. Anti Ransomware Features f. Anti Phishing Protection g. Compliance Monitoring capabilities h. Endpoint Level Forensics	Yes , Only Supports Prevention of C&C and BOT traffic directly at endpoint Anti Ransomware Features Endpoint Level Forensics	RFQ cum RFP Prevails.
245.	Volume II/ 2.24 Centralized EDR 186	186	The offered solution must be from the same OEM as that of the APT and should integrate	Yes	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			with the sandboxing device installed under APT solution. In case EDR and APT solution are from different OEM then an on-premise sandboxing solution must be providing with the EDR solution. Solution must include a Zero-hour protection mechanism for new viruses, malwares spread through email and spam without relying solely in heuristic or content inspection. Able to perform different scan Actions based on the virus type or abnormal behavior observed (Trojan/ Worm, Hoax, Virus, other)		
246.	Volume II/ 2.22 TOR (Top of the Rack) Switch TORS.013	183	Dual load sharing AC and DC power supplies	Please specify if AC or DC power supply as models will be different	As per Bidder's solution.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Redundant variable-speed fans		Bidder to ensure that all RFQ cum RFP requirements are met.
247.	Volume II/ 2.17 Distribution Switch DSW.001	174	The Should have Non-blocking (WireSpeed) Architecture with Minimum 24 ports of 10/100/1000 base-T and 4 SFP+ uplink ports (populated with required modules). 1 U Rack mountable and should provide stacking of minimum 9 switches with 80 Gbps of dedicated stacking bandwidth (All required accessories, licenses to be provided). Switch should support internal	Stacking of 9 switches is vendor specific and not supported by all OEMS, please change to stack of 8	Accepted.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			redundant power supply.		
248.	Volume II/ 2.17 Distribution Switch DSW.006	174	Switch should be FCC Part 15, ICES-003, VCCI Class A, EN 55022, EN 55024, EN 300386, CAN/CSA 22.2 No.60950-1, IEC60950-1, Reduction of Hazardous Substances (ROHS) 6 certified	remove EN 55022 as not relevant for network switch, remove EN 300286 as It is for telecom devices not networking, change ROHS 6 to ROHS as it is valid for major OEM's	RFQ cum RFP Prevails
249.	Volume II/ 2.13 Core Switch CS002	166	Interface support: 40G from Day 1, Support up to 40 Nos of 10 Gigabit Ethernet or 40 Gigabit Ethernet ports	Please specify how many 10gig ports is required and how many ports of 40gig	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
250.	Volume II/ 2.13 Core Switch CS006	166	Protocols: IEEE 802.1w RSTP and IEEE 802.1s MSTP, RIP V1/v2, OSPF v1/v2, BGPv4, IPv6 packet switching. VRRP, should support MPLS, GRE tunnelling, IP Multicast PIM - SSM, MSDP, IGMP v1, v2, v3, IGMP Snooping, H/W based IPv4 and IPv6 Multicasting	MPLS is not required as it a router functionality, so please remove it	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
251.	Volume II/ 2.13 Core Switch CS009	166	IEEE Standards: IEEE 802.1AB, IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ae, IEEE 802.3ah/IEEE 802.3ag, IEEE 802.3ad,	IEEE 802.3ah/IEEE 802.3ag change to 803.3ah/IEEE 802.3ag or Eth OAM as it is an equivalent standard and supported by most OEM's	Accepted
252.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.001	189	Next generation platform should encompass log, packet and end point data with added context and threat Intelligence.	This is specific to one vendor/OEM. Hence we request to put technical specifications for SIEM	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Should provide complete network visibility through deep packet inspection high speed packet capture and analysis.	and packet capture solutions separate.	
253.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.002	189	SIEM for Logs and deep packet inspection should be from same OEM.	This is specific to one single OEM. We request to have separate specs for SIEM and packet capture. Request to change the spec to below: SIEM for Logs and deep packet inspection should be from different OEM.	RFQ cum RFP Prevails.
254.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.003	189	The solution should be a physical appliance form factor with following components: a. Management & Reporting b. Normalization and Indexing, c. Correlation Engine d. Data Management	This is specific to one single OEM. We request to consider options for both software and appliance based. The components also belong to single OEM. Hence we request to make it general for SIEM. Every SIEM will have components like Log Collector, Log Management & Correlation Layer.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>The solution should be physical appliance or software installed on a hardened server with below form factor with following components:</p> <ol style="list-style-type: none"> 1. Log Collection 2. Log Management 3. Correlation Engine 	
255.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.009	189	A single log appliance should support minimum 30,000 EPS and packet appliance should support up to 1GBPS line rate with multiple ingress interfaces for capturing from multiple network interfaces.	What is the EPS requirement Aurngabad SmartCity has? As most of the smart city's have 10000 EPS requirement but there is never unlimited licensing or capacity. This is specific to one single OEM	RFQ cum RFP Prevails.
256.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.010	189	Correlation Engine appliance should be consolidated in a purpose build appliance and should handle 100,000 EPS.	100,000 EPS is huge for smart cities. We request to please put real requirement.	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
257.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.011	190	The solution should be storing both raw logs as well as normalized logs. The same should be made available for analysis and reporting. Solution should be sized to provide online storage for 1 year at central site. Both raw logs and normalized logs should be made available with minimum 90 TB of storage provided by OEM	Every solution has its own compression and normalization ways. Some OEM's may need more some may need less to store. We request to please clarify EPS requirement and based on that we can size on storage.	RFQ cum RFP Prevails
258.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.016	190	Should store RAW packet DATA for 7 days and normalized packet data for 30 days for forensics.	Raw logs should be stored along with normalized logs. This helps to prove in court of law. If any solution is purging raw logs after 7 days	RFQ cum RFP Prevails
259.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.017	190	Should be able to provide complete packet-by-packet details pertaining to one or more session of interest including		RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Session replay, page reconstruction, image views, artefact & raw packet and object extractions.		
260.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.018	190	Should be able to filter the captured packets based on layer-2 to layer-7 header information.	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails
261.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.019	190	Should provide comprehensive deep packet inspection (DPI) to classify protocols & application.	This is specific to one vendor/OEM. Hence we request to put technical specifications for SIEM and packet capture solutions separate?	RFQ cum RFP Prevails
262.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.021	190	The solution must be able to detect malicious payload in network traffic	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails
263.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.022	190	· Detect and reconstruct files back to its original type	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
264.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.023	190	· Detect hidden or embedded files	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails
265.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.024	190	· Detect and flag out renamed files	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails
266.	Volume II/ 2.25 SIEM for Logs & Packet System / SIEM.025	190	The solution must have the ability to capture network traffic and import PCAP files using the same infrastructure.	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	RFQ cum RFP Prevails
267.	Volume II/ 2.23 APT (advanced persistent threat protection)/APT.003	184	The quoted APT OEM must have NSS Lab's Recommended rating as per breach detection system methodology 2.0 and should have block rate of at least 95%	NSS Labs, like most 3rd parties who typically test traditional security technologies like Intrusion Prevention Systems (IPS), Network Based Anti-Virus, & Firewalls, lacks an in-depth understanding of how to test Advanced Persistent Threats (APT)	RFQ cum RFP Prevails
268.	Volume II/ 2.23 APT (advanced persistent threat	184	The solution should inspect the web sessions (HTTP and	Only HTTP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	protection)/APT.015		HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL offloading will not be accepted		
269.	Volume II/ 2.24 Centralized EDR/EDR.001	186	The offered solution should perform the following min tasks at endpoints: a. Endpoint Firewall b. Endpoint Application Control c. Media Encryption on HDD and USB d. Prevention of C&C and BOT traffic directly at endpoint e. Anti Ransomware Features f. Anti Phishing Protection g. Compliance Monitoring capabilities	Only Supports Prevention of C&C and BOT traffic directly at endpoint Anti Ransomware Features Endpoint Level Forensics	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			h. Endpoint Level Forensics		
270.	Volume II/ 2.24 Centralized EDR/EDR.005	186	The solution must support multiple remote installations. Shall provide for notification options for Virus, malwares, advanced threats, URLs, C&C call-backsetc. Should be capable of providing multiple layers of defense from Known as well as unknown threats like zero days, worms, malwares, APT attacks at endpoint	Call back's are ideally to be prevented at network end. Not at the endpoint level.	Query is not clear.
271.	Volume II/ 2.24 Centralized EDR/EDR.010	187	Should provide in browser protection through plugin or add on mechanism to prevent and control download of malicious and unknown attacks and by blocking access to data entering on	This an AV feature, not belongs to EDR	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			phishing websites, by removal of harmful active content in files and by converting potentially harmful files to PDF		
272.	Volume II/ 2.28 Intrusion Detection & Prevention System/IDPS.001	200	Should have an aggregate throughput of no less than 200 mbps Total Simultaneous Sessions – 500,000 or higher.	"Should have an aggregate throughput of no less than 2 Gbps & Max TCP Concurrent Connection - 2.5 Million." 200 Mbps is really a very low throughput as IPS has to support for 4 segments as per RFP. So request you to modify this point.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met.
273.	Volume II/ 2.28 Intrusion Detection & Prevention System/IDPS.002	200	IDPS system should be able to protect Multi Segment in the network, should be able to protect 4 segments.	"IDPS system should be able to protect Multi Segment in the Network, Should be able to protect 4 segment and should support 2 pairs of 1G Copper (4 x 1G) built-in Bypass Module and 1 Pairs of 10G SFP+ (2 x 10G SFP+) Built-in Bypass Module".. RFP	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				mention about to protect 4 segment but not mention the interface type, as per the design and match with other components in network it should be support 1G and 10G bypass interfaces. so request you to add/modify this point.	
274.	Volume II/ 2.28 Intrusion Detection & Prevention System/IDPS.009	201	IDPS should have provision for external bypass Switch	"IDPS must include/come with external bypass switch with 1G Copper and 10G SFP+ from day one. or should have built-in Bypass from day one." External bypass switch will add an additional latency in network and degrade overall application performance, so request you to consider built-in bypass switch.	RFQ cum RFP Prevails
275.	Volume II/ 2.26 Application Delivery Controller/ADC.002	190	The appliance should have minimum 8 x10G SFP+ data interfaces from day one, The appliance should support Minimum 32GB RAM and 2*SSL ASICS/FGPA/cards with	The appliance should have minimum 16 x10G SFP+ data interfaces from day one, The appliance should support Minimum 128GB RAM and 2*SSL ASICS/FGPA/cards and 2TB HDD with network virtual function support	As per Bidder's solution. Bidder to ensure that all RFQ cum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			network virtual function support		RFP requirements are met.
276.	Volume II/ 2.26 Application Delivery Controller/New Point	194	Web Application Firewall should integrate with Web Vulnerability system Scanner for Auto patching/Smart Patching and reduce Operational overhead. Web Vulnerability system scanner should be provided by the same WAF vendor/OEM. And can be install on Virtual platform. Web vulnerability system scanner should provide/identify OWASP TOP 10 vulnerabilities, should have a pre-record scan option and provides	WAF and scanner collaboration helps fastest time for 0-day vulnerability mitigation. and WAF can immediately patch those vulnerability found by scanner using a virtual or smart patch. This will ensure to patch the known vulnerabilities within an Hours, so request to add this point.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			scanning for at least 5 fqd from day one.		
277.	Volume II/ 2.26 Application Delivery Controller/ New Point	194	WAF Should be ICSA and VERACODE VL4 Certified	Provides Continuous independent third-party security testing performed by ICSA Labs - a high standard of security product quality., Veracode delivers an application security service that is end to end, built for scale, and works to systematically reduce application security risks. But CA Veracode recognizes that customers need assurance that its services are delivered securely and assurance that customer binaries, bytecode and analysis results remain confidential.	RFQ cum RFP Prevails
278.	Volume II/ 2.26 Application Delivery Controller/ New Point	194	System should have and integrate with IP reputation feed provided by WAF OEM own threat intelligence and not third party threat intelligence	to mitigate 0 day attacks it is mandate to have IP reputation feed from same OEM through threat intelligence, so request to add this point in RFP	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
279.				Entire RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requireme nts are met as a minimum.
280.	Volume II/ 2.15 Server Room Firewall/DCFV.002	169	Throughput capacity of next generation Firewall (AVS+NGIPS) should not be less than 20 GBPS. Max 25 Million sessions per second 150K. Solution should be based on multi core processors and not on proprietary hardware platforms like ASICs, Should have minimum 16 GB memory with option of upgradable up to 32 GB.	Asked throughput and the connections mentioned are very high and are not inline with connections which are low, RAM will be fixed or upgradable that needs to be neutralized as it depends on multiple variants of appliances	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Hardware should have field upgradable capabilities for upgrading components like network cards, RAM, power supplies, fan etc.		
281.	Volume II/ 2.15 Server Room Firewall/DCFW.003	169	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of 900 GB SSD / HDD.	Solution for the fail open cards is required if the solution is deployed in the IPS or on bridge mode. High Availability is already considered for the NGFW. Inbuilt storage of the SSD and HDD also varies and minimum required as logs will be stored to the central server.	RFQ cum RFP Prevails
282.	Volume II/ 2.15 Server Room Firewall/DCFW.004	169	Interface Requirement: 8 x 10/100/1000 Base-T Copper Ports, 4 x 10 GB 10G SFP ports from day 1 and support for addition of 2 x 40G SFP	Solution for the fail open cards is required if the solution is deployed in the IPS or on bridge mode. High Availability is already considered for the NGFW. Inbuilt storage of the SSD and HDD also	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			ports. Dedicated Management and Sync Ports	varies and minimum required as logs will be stored to the central server.	
283.	Volume II/ 2.15 Server Room Firewall/DCFV.007	170	Solution must support gateway high availability and load sharing with state synchronization. Solution must support Configuration of dual stack gateway on a bond interface, OR on a sub-interface of a bond interface. Solution must Support 6 to 4 NAT, or 6 to 4 tunnel	Solution should Support 6 to 4 NAT, or 6 to 4 tunnel, this point should be removed since it is part of CGN solution not Firewall	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
284.	Volume II/ 2.15 Server Room Firewall/DCFV.009	170	The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL	This point is specific to the CDR solution specific to the OEM and hence needs to be removed.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>offloading will not be accepted. The proposed solution should dynamically generate real-time malware intelligence for immediate local protection via integration with the separate Automated Management and Event Correlation System. This Automated Management and Event Correlation solution must be from the same OEM. Solution should have an ability to remove all the active content and macros sending only a clean document to the end user. Solution should be able to detect & Prevent the Bot communication with C&C.</p>		<p>met as a minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
285.	Volume II/ 2.15 Server Room Firewall/DCFW.010	170	Solution should have a Multi-tier engine to detect & Prevent Command and Control IP/URL and DNS. Solution should be able to detect & Prevent Unique communication patterns used by BOTs ie Information about Botnet family. Solution should be able to detect & Prevent attack types ie, such as spam sending click fraud or self-distribution, that are associated with Bots. Solution should be able to block traffic between infected Host and Remote Operator and not to legitimate destination. Solution should be able to provide with Forensic tools which give details like Infected Users/Device,	Solution should be able to provide with Forensic tools which give details like Infected Users/Device, Malware type, Malware action etc., This the Endpoint based solution not the NGFW , specific to OEM.	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Malwaretype, Malware action etc		
286.	Volume II/ 2.15 Server Room Firewall/DCFW.011	170	Security Management: A separate centralized management appliance/software needs to be provided for management and logging of NGFW appliance. In case other security components like APT solution etc. are from the same OEM then a single centralized management, logging (and not multiple management system) should manage all such security devices. Security management Hardware can be an OEM appliance or dedicated server with software. In case of dedicated server, Server should be rack mounted with Intel	Every OEM provide different way of managing the different technologies such as NGFW and APT appliances	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>based 8 core processor with min two nos. of 64-bit processor having 64 GB RAM or OEM recommended whichever is higher for these specifications. Minimum 2 TB Hard disk and minimum dual 10/100/1000 Mbps network port. The central management console and should be able to handle 5000 log/sec.</p>		
287.	Volume II/ 2.15 Server Room Firewall/		<p>The Proposed solution should be FIPS 140-2/Common Criteria PP and must be in the recommended rating of NSS from last three years and should not have reported any backdoor in minimum last three years</p>	<p>Solution will be security effective with the capability mentioned and hence the certifications and the NSS labs provide that effective matrix.</p>	<p>RFQ cum RFP Prevails.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
288.	Volume II/ 2.15 Server Room Firewall/DCFV.009	170	The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL offloading will not be accepted. The proposed solution should dynamically generate real-time malware intelligence for immediate local protection via integration with the separate Automated Management and Event Correlation System. This Automated Management and Event Correlation solution must be from the same OEM.Solution should	Solution should have an ability to remove all the active content and macros sending only a clean document to the end user- This clause should be removed, since it is specific to OEM	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			have an ability to remove all the active content and macros sending only a clean document to the end user. Solution should be able to detect & Prevent the Bot communication with C&C.		
289.	Volume II/ 2.14 Internet Firewall /FW.001	167	The Firewall should have minimum 6 x 10G supporting SFP+ interfaces and 2 x 40G interfaces. Throughput of 20 Gbps of next generation firewall on 500 or 1024 byte packet size 150K new session per second, 25 M concurrent session, 5Gbps of SSL/IP Sec VPN throughput, 1000 Site to Site VPN and 1000 SSL VPN. The firewall should have	Asked throughput and the connections mentioned are very high and are not inline with connections which are low, RAM will be fixed or upgradeable that needs to be neutralized as it depends on multiple variants of appliances	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			integrated redundant power supply.		
290.	Volume II/ 2.14 Internet Firewall /FW.002	167	Features: Should support NAT64, DNS64 & DHCPv6, Traffic Shaping/policing, IPv6 IPSec feature to support for secure IPv6 traffic in an IPSec VPN.	Solution should Support 6 to 4 NAT, or 6 to 4 tunnel, this point should be removed since it is part of CGN solution not Firewall	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
291.	Volume II/ 2.14 Internet Firewall /FW.004	167	Intrusion Prevention System: IPS capability shall minimally attain NSS Certification, ICSA labs certification. 20 Gbps for Enterprise Mix / Real world traffic Throughput. Should be able to inspect SSL based traffic. Should have atleast 7,000 Signature.	Both NSS and ICSA are third party organisation, hence either one should be allowed, 20Gbps for IPS very high and please share the reason for such high requirement of throughput	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
292.	Volume II/ 2.14 Internet Firewall /FW.005	167	Threat Prevention: The Firewall should have at least 10 Gbps of Threat prevention throughput on Mix / real world traffic	This point should be removed since threat prevention is part of NGFW throughput	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
293.	Volume II/ 2.14 Internet Firewall /FW.008	168	Data Leakage Prevention: The proposed system shall allow administrator to prevent sensitive data from leaving the network. Administrator shall be able to define sensitive data patterns, and data matching these patterns that will be blocked and/or logged when passing through the unit.	This clause is not a specific features of NGFW and dedicated solution should be used for the same. And other part of the tender is already having that solution, such point looks to be OEM Specific	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
294.	Volume II/ 2.14 Internet Firewall /FW.009	168	UTM Module & Subscriptions: OEM should have in house development and subscriptions for all UTM Modules including IPS, App Control, Antivirus, Web content filtering	Different OEM's have different way to provide security,hence this is be modified	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
295.	Volume II/ 2.27 Data Leakage Prevention and Email Security DLP New		The solution should also provide the Risk based incident management within the solution that will help to alert and prioritize the risky users that are contributing tot the Data Leaks.	This feature will help to run the analytics on top of the incidents to provide the view to the adminsiatrtion that will help in dtecting and then taking actions on those users.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
296.	Volume II/ 2.27 Data Leakage Prevention		The solution should provide URL analysis that allow potentially	This helps in stopping the URL based attacks on the Email and hence required of the modified	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	and Email Security DLP New		malicious URLs classified by the filter to be removed or modified for neutralization	URL to be neutralized so that impact of the URL will be blocked.	
297.	Volume II/ 2.35 Web security solution		Should provide proxy, caching, content filtering, SSL inspection, protocol filtering, inline AV and content inspection in block mode on the same Appliance. b. Should support behavioral sandboxing to enhance advanced threat detection for Malware detection.	This protects and prohibit users accessing malicous sites and deep level of inspection of the packets for threat visibility and blocking	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
298.	Volume II/ 2.35 Web security solution		a. Should be capable of dynamically blocking a legitimate website which has become infected and unblock the site in real time when the threat has been removed for below mentioned	This provide real time protection even from the sites which are legitimate but compromised.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			security categories and vulnerabilities. b. Should have real time content classification and security scanning with automatic database updates for security categories- Advanced malware command and control, Advanced malware payloads, Bot networks, Compromised websites, key loggers, Phishing and other frauds, Spywares		nts are met as a minimum
299.	Volume II/ 2.35 Web security solution		a. Should inspect the sensitive content through 1500 pre-defined templates, textual content inside image, cumulative content control and inspection through web channel to prevent the content	This is to provide visibility on the outbound channel and categorization in terms of locating the accessible site	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			from being sent over outbound web channel. b. Should have ability to provide geo-location awareness for security incidents. Should have ability to protect the sensitive data		met as a minimum
300.	Volume II/ 2.35 Web security solution		a. Should have min 20+ million websites in its URL filtering database and should have pre-defined URL categories and application protocols along with YouTube, Facebook and linked-in controls.	This is to provide blocking and permitting functionality on basis of categories such as social , adult content etc	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
301.	Volume II/ 2.35 Web security solution		a. Should support same policy enforcement in real time policy sync for users even when they access Internet outside	This is required to force controls even when the user tries to access the prohibited sites from any other network which provides security when out of the corporate network	As per Bidder's design. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>the corporate network, this should be enforced through an agent deployment on roaming endpoints (MAC and Windows - MAC OS X 10.10 and MS Windows 10 or above)</p> <p>b. Solution should be on premises and not with the help of SAAS i.e. mobile user traffic should redirect to on premise solution for policy checks.</p>		that RFQ cum RFP requirements are met as a minimum
302.	Volume II/ 2.35 Web security solution		<p>a. Should have ability to block anonymizer sites or proxy avoidance tools.</p> <p>b. Should be provided in default protocol database Ghost surf, Google web accelerator, Hopster, Jap, Real tunnel, Socks online, Tongtongtong, Toonel, Tor,</p>	This point is required to provide security even when user tries to hide his/her identity and find workaround to by pass security parameters by using different tools etc	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Your freedom among others.		met as a minimum
303.	Volume II/ 2.35 Web security solution		Should apply security policy to more than 100 protocols in multiple categories more than 15. This includes the ability to allow, block, log, and assign quota time for IM, P2P, and streaming media and solution should provide at least below mentioned security categories as below right from first day § Advanced Malware Command and Control category § Advanced Malware payload detection category § Malicious embedded links and iframe detection category § Mobile malware category	This is to provide different policies according to the employee working schedule when , what is allowed or blocked as per the business requirement	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>§ Key logger and Spyware category</p> <p>§ P2P software database from day 1 to control/block the below P2P protocols</p>		
304.	Volume II/ 2.35 Web security solution		<p>a. Should have granular control over popular social web applications like Facebook, LinkedIn, Twitter, YouTube, and others.</p> <p>b. Should have social control video uploads to Facebook, Twitter, Instagram, YouTube and similar applications.</p> <p>c. Should have built-in or custom policies for identifying and segregate You Tube traffic for education only and other irrelevant non-compliance video,</p> <p>d. Should simplify</p>	Some site might be required for business requirement but some features of that site might not be required . This point is required to provide this granuler control	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			design and implementation of policy to ensure user compliance		
305.	Volume II/ 2.35 Web security solution		<p>a. Should provide geo-location awareness for security incidents.</p> <p>b. Should provide inbuilt capability malicious content of password and unknown encryption files.</p> <p>c. Should support to have capability to differentiate between educational and entertainment videos through default categories and s</p>	This is required to provide granular control as per the business requirement and enhanced security even when the files are encrypted and password protected	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
306.	Volume II/ 2.35 Web security solution		Should have visibility and blocking for cloud applications and shadow IT application usage for enhanced security	This point is required in terms of having visibility that what all application users are trying to access which are placed over the cloud and also to provide controls over them which reduces the risk as cloud	As per Bidder's design. Bidder to ensure that RFQ

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				applications which are not officially required could bring the threats, being dynamic in nature	cum RFP requirements are met as a minimum
307.	Volume II/ 2.35 Web security solution		The solution should provide the report builder where the multiple reports can be generated based on the multiple parameters such as Source, destination , time etc.	Reporting for understanding over all usage and threats landscape	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum
308.	Volume I/ Section 2.30 Eligible Goods and Services and OEM Criteria	22	The City Operations Platform proposed by the Bidder must be operational in atleast one City at the time of bidding with at least three relevant use cases as applicable for Aurangabad city requirement.	This is restrictive criteria especially for the Make in India OEMs. Our submission is that a Command City Operation Platform (ICCC Platform) offers a technical & functional capability which can be implemented for a City / PSU Campus / Large Private Enterprise with National Footprint/Defense	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>Establishments / Police etc. with multiple use cases. So the ICCC projects implemented in such environments should be considered for participation in RFP under consideration.</p> <p>Therefore, it is humbly requested to you to modify the clause to "The City Operations Platform proposed by the Bidder must be operational in at least one Command Centre Implementation Project either in City / Government / PSU / Large Private Enterprise with national footprint at the time of bidding with at least three relevant use cases as applicable for Aurangabad city requirement". This modification will not make any compromises on the quality of CoP solution that would be proposed by the MSIs as the MSI will make due diligence to check the robustness of the CoP platform in line with the RFP requirements before quoting</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				for any solution and the choice should be left to the MSI.	
309.	Volume II/Section 2.14 Internet FW - point number FW.001	167	The Firewall should have minimum 6 x 10G supporting SFP+ interfaces and 2x40G interfaces. Throughput should be 20 Gbps of next generation firewall on 500 or 1024 byte packet size, 150K new sessions per second, 25 M concurrent session, 5Gbps of SSL/IPSec VPN throughput, 1000 Site to Site VPN and 1000 SSL VPN. The firewall should have integrated redundant power supply	Since Internet FW is first entry point to an organisation, please confirm whether proposed platform should support integrated redundant hot-swappable power supply and redundant hot-swappable fan trays/modules to ensure high MTTR	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
310.	Volume II/Section 2.14 Internet FW - point number FW.003	167	The Firewall, IPSEC & SSL VPN modules shall belong to product family which minimally attain Internet Computer Security Association (ICSA)	Different OEM follow different Industry certification and for broader participation we are requesting the following change : Please change the clause to "The	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Certification/ common criteria (CC) or equivalent certification	Firewall, IPSEC & SSL VPN modules shall belong to product family which minimally attain Internet Computer Security Association (ICSA) Certification/ common criteria (CC) / NSS or equivalent certification	
311.	Volume II/Section 2.14 Internet FW - point number FW.004	167	Intrusion Prevention System: IPS capability shall minimally attain NSS Certification, ICSA labs certification. 20 Gbps for Enterprise Mix / Real world traffic Throughput. Should able to inspect SSL based traffic. Should have atleast 7,000 Signature.	Different OEM follow different Industry certification and follow different mechanism for measuring performance of the appliance. Hence request the following change for broader participation of OEM. Please change the clause to "Intrusion Prevention System: IPS capability shall minimally attain NSS Certification or ICSA labs certification. 20 Gbps for Enterprise Mix / Real world / HTTP session 1024B traffic Throughput. Should able to inspect SSL based traffic. Should have atleast 7,000 Signature."	RFQ cum RFP Prevails
312.	Volume II/Section 2.14	167	Threat Prevention: The Firewall should have at	Different OEM follow different mechanism for measuring	As per Bidder's

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Internet FW - point number FW.005		least 10 Gbps of Threat prevention throughput on Mix / real world traffic	performance and hence requesting the following change: Please change the clause to "Threat Prevention: The Firewall should have at least 10 Gbps of Threat prevention throughput on Mix / real world / HTTP session 1024B traffic"	design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.
313.	Volume II/Section 2.14 Internet FW - point number FW.006	167	Web Content Filtering: The proposed system should have integrated Web Content Filtering solution without external solution, devices or hardware modules. should be able to enable or disable Web Filtering per firewall policy or based on firewall authenticated user groups for both HTTP and HTTPS traffic. system shall be able to queries a real-time database of over 110 million + rated websites	Web content filtering capability asked in the firewall can be removed as there is a separate web content filtering solution asked in the BoQ. Different OEMs use different approach like AV or APT and hence requesting the following change to allow wider participation of OEM : Please change the clause to "Web Content Filtering: The proposed system should have integrated Web Content Filtering solution without external solution, devices or hardware modules. should be able to enable or disable Web Filtering per firewall policy or based on	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			categorized into 70+ unique content categories. Antivirus capability shall be ICSA labs certified.	firewall authenticated user groups for both HTTP and HTTPS traffic. system shall be able to queries a real-time database of over 110 million + rated websites categorized into 70+ unique content categories."	
314.	Volume II/Section 2.14 Internet FW - point number FW.009	168	UTM Module & Subscriptions: OEM should have in house development and subscriptions for all UTM Modules including IPS, App Control, Antivirus, Web content filtering.	Point number 1 of the firewall specification asks for NGFW throughput. Also, most of the leading Firewall vendors have NGFW solution and NGFW ensures that all expected capabilities like Threat Prevention, IPS, AVC, Web Filtering are included from day one. Request you to allow for NGFW/UTM and APT/Antivirus for wider participation of OEM. Please change the clause to "NGFW / UTM Module & Subscriptions: OEM should have in house development and subscriptions for all NGFW/UTM Modules including IPS, App Control, Antivirus/APT/Zero-Day	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Protection, Web content filtering."	
315.	Volume II/Section 2.15 Server Room Firewall - DCFW.003	169	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of 900 GB SSD / HDD.	Different OEM require different size of storage for hosting the operating system and hence bidder should be allowed to quote the firewall as per their solution. This clause might give undue advantage to few OEM. Hence requesting the following change: Please change the clause to "Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of minimum 200 GB SSD / HDD or more"	RFQ cum RFP Prevails
316.	Volume II/Section 2.15	169	Firewall Feature: solution should be based on "stateful	This clause is vendor specific. Request you to make the following change for wider	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Server Room Firewall - DCFW.005		inspection” technology and must support access control for at least 500 predefined /services/protocols with capability to define custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates.	participation of OEM : Please change the clause to "Firewall Feature: solution should be based on “stateful inspection” technology and must support access control for at least 500 predefined /services/protocols with capability to define custom services. The communication between the management servers and the security gateways must be encrypted and authenticated"	
317.	Volume II/Section 2.15 Server Room Firewall - DCFW.006	169	Authentication: schemes must be supported by the security gateway and VPN module: tokens (ie - SecureID), TACACS, RADIUS and digital certificates. Should	This clause is vendor specific. Request you to make following changes for wider participation of OEM : Authentication: schemes must be supported by the security gateway and VPN module:	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirement

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>support Ethernet Bonding functionality for Full Mesh deployment architecture. Must support user, client and session authentication methods. User authentication schemes must be supported by the security gateway and VPN module: tokens (ie-SecureID), TACACS, RADIUS and digital certificates. Firewall should support the system authentication with RADIUS and local authentication. Both should work simultaneously. Solution must support DHCP, server and relay. Solution must include the ability to work in Transparent/Bridge mode.</p>	<p>tokens (ie - SecureID) or TACACS, or AD or RADIUS or digital certificates. Should support Ethernet Bonding functionality for Full Mesh deployment architecture. Must support user / client / session authentication methods. User authentication schemes must be supported by the security gateway and VPN module: tokens (ie-SecureID) or TACACS or LDAP, AD or RADIUS or digital certificates. Solution must include the ability to work in Transparent/Bridge mode"</p>	<p>s are met as a minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
318.	Volume II/Section 2.15 Server Room Firewall - point number DCFW.008	170	User Identity / Awareness: Must be able to acquire user identity from Microsoft Active Directory without any type of agent installed on the domain controllers. Must support Kerberos transparent authentication for single sign on. Must support the use of LDAP nested groups. Must be able to create rules and policies based on identity roles to be used across all security applications. The solution should have the inherent ability to detect multi-stage attacks. For the purpose of detecting multi stage attacks the solution should include static analysis technologies like	We request to allow bidder to architect solution as per their solution while adhering to functional requirement of RFP. This clause is vendor specific. Request you to make following changes for wider participation of OEM : Please change the clause to "User Identity / Awareness: Must be able to acquire user identity from Microsoft Active Directory with or without any type of agent installed on the domain controllers. Must support the use of LDAP groups. Must be able to create rules and policies based on identity roles to be used across all security applications. The solution should have the inherent ability to detect multi-stage attacks. For the purpose of detecting multi stage attacks the solution should include static analysis technologies like antivirus /antimalware/anti bot within the solution. The bidder	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			antivirus, antimalware/anti bot however in an integrate mode with the solution. The bidder or SI may use additional appliances (at max 2) for the solution but should be provided by the same OEM in the solution.	or SI may use additional appliances (at max 2) for the solution but should be provided by the same OEM in the solution.	
319.	Volume II/Section 2.15 Server Room Firewall - point number DCFW.009	170	The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL offloading will not be accepted. The proposed solution should dynamically generate real-time malware intelligence	Generally a file detected with malware should be quarantine instead of trying to clean the content and forwarding what might look to be clean but it may or may not be. This clause is vendor specific, hence requesting the following change: Please change the clause to "The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			for immediate local protection via integration with the separate Automated Management and Event Correlation System. This Automated Management and Event Correlation solution must be from the same OEM. Solution should have an ability to remove all the active content and macros sending only a clean document to the end user. Solution should be able to detect & Prevent the Bot communication with C&C	offloading will not be accepted. The proposed solution should dynamically generate real-time malware intelligence for immediate local protection via integration with the separate Automated Management and Event Correlation System. This Automated Management and Event Correlation solution must be from the same OEM. Solution should be able to detect & Prevent the Bot communication with C&C	
320.	Volume II/Section 2.15 Server Room Firewall - point number DCFW.011	171	Security Management: A separate centralized management appliance/software needs to be provided for management and logging of NGFW	Considering the number of security devices and estimated security events generated, bidder should appropriately position the appliance or server. Hence we request to allow bidder to propose appliance or	As per Bidder's design. Bidder to ensure that RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>appliance, logging (and not multiple management system) should manage all such security devices. Security management Hardware can be an OEM appliance or dedicated server with software. In case of dedicated server, Server should be rack mounted with Intel based 8 core processor with min two nos. of 64-bit processor having 64 GB RAM or OEM recommended whichever is higher for these specifications. Minimum 2 TB Hard disk and minimum dual 10/100/1000 Mbps network port. The central management console and should be able to handle 5000 log/sec.</p>	<p>server with required H/W as per their solution while adhering to functional requirement of RFP. Different OEM require different size of storage for logging and hence bidder should be allowed to quote the management appliance as per their solution. This clause might give undue advantage to few OEM. Hence requesting the following change:</p> <p>Please change the clause to "Security Management: A separate centralized management appliance/software needs to be provided for management and logging of NGFW appliance, logging (and not multiple management system) should manage all such security devices. Security management Hardware can be an OEM appliance or dedicated server with software. In case of dedicated server, Server should be rack mounted</p>	<p>requirements are met as a minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				with Intel based 8 core processor with min two nos. of 64- bit processor having 64 GB RAM or OEM recommended whichever is higher for these specifications. Minimum 1.5 TB Hard disk and minimum dual 10/100/1000 Mbps network port. The central management console and should be able to handle 5000 log/sec."	
321.	Volume II/Section 2.15 Server Room Firewall - point number DCFW.012	171	Security management application must support role based administrator accounts. Management must provide functionality to automatically save current state of Policy each time when any configuration changes in Security policy is enforced, and should have option to revert back to previous state stored state. It must be capable of storing at least last 5 policies. Management Solution	There are certain clauses which can be met by only specific OEM and hence request to change for larger participation: Please change the clause to: Security management application must support role based administrator accounts. Management must provide functionality to automatically save current state of Policy each time when any configuration changes in Security policy is enforced, and should have option to revert back to previous state stored state. It must be capable of storing at least last 5	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			must include a Certificate-based encrypted secure communications channel among all vendor distributed components belonging to a single management domain. The management must provide a security rule hit counter in the security policy. Solution must include a search option to be able to easily query which network object contain a specific IP or part of it. Solution must have a security policy verification mechanism prior to policy installation.	policies. Management Solution must include encrypted secure communications channel among all vendor distributed components belonging to a single management domain. Solution must include a search option to be able to easily query which network object contain a specific IP or part of it.	
322.	Volume II/Section 2.23 APT - point number APT.005	184	The APT appliance should be able to process min 1,000,000	1 Million files a month translate to little over 33,000 files a day. Considering 10,000 user this value is too high. Most of the sandboxing solution do not re-	As per Bidder's design. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			files/month (either web or mail or both)	<p>detonate file for which verdict has been previously given. Hence files/month are unique files and not copy of same file. The figure asked is too high given the above justification and is specific to an OEM. Request the following change for wider participation:</p> <p>Please change the clause to "The APT appliance should be able to process min 1,50,000 files/month (either web or mail or both)"</p>	that RFQ cum RFP requirements are met as a minimum.
323.	Volume II/Section 2.23 APT - point number APT.011	184	The solution must be able to detect and report malware by using multiple images of Windows XP, 7, 8 and 10 etc.	<p>Windows XP and 7 has been discontinued, hence requesting the following change for wider participation of OEM:</p> <p>Please change the clause to :The solution must be able to detect and report malware by using multiple images of Windows XP / 7 / 8 and 10 etc.</p>	RFQ cum RFP Prevails
324.	Volume II/Section 2.23	185	The solution must be able to support scanning links inside	Generally a file detected with malware should be quarantine instead of trying to clean the	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	APT - point number APT.014		emails/documents for zero days & unknown malware and support sandboxing of file sizes between 2 Kb and 50 MB. Solution should have an ability to remove all the active content, harmful links in email message/documents and macros sending only a clean document to the end user	content and forwarding what might look to be clean file but may or may not be. This clause is specific to one OEM. Hence requesting the change: Please change the clause to: The solution must be able to support scanning documents for zero days & unknown malware and support sandboxing of file sizes between 2 Kb and 50 MB.	
325.	Volume II/Section 2.23 APT - point number APT.007	185	The APT appliance should support at least 36 virtual machines running simultaneously	We request to allow bidder to architect solution as per their solution while adhering to functional requirement of RFP. This is an OEM specific clause. Request you to remove the clause	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
326.	Volume II/Section 2.24 Centralised EDR - point number EDR.001	186	"The offered solution should perform the following min tasks at endpoints: a. Endpoint Firewall b. Endpoint Application Control c. Media Encryption on HDD and USB d. Prevention of C&C and BOT traffic directly at endpoint e. Anti Ransomware Features f. Anti Phishing Protection g. Compliance Monitoring capabilities h. Endpoint Level Forensics"	Endpoint Detection and Response solutions are solution dedicated for protecting organisation against zero-day and unknown attacks. There are few capabilities asked which are either part of HIPS or AV and hence requesting for the following change so that leading OEMs can offer their solution: Please change the clause to: "The offered solution should perform the following min tasks at endpoints: a. Endpoint Application Control b. Prevention of C&C and BOT traffic c. Anti Ransomware d. Anti Phishing Protection e. Endpoint Level Forensics"	RFQ cum RFP Prevails
327.	Volume II/Section 2.24 Centralised EDR - point number EDR.003	186	Solution must have capabilities to isolate and quarantine the endpoints from the network in scenarios where windows patches, hotfixes,	Different OEM have different approach in addressing zero-day, unknown and ransomware attacks. For larger participation we request the change Please change the clause to:	As per Bidder's design. Bidder to ensure that RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			services packs, virus definitions are missing or outdated on the endpoint. The solution must have capabilities to prevent against all families of ransomwares and restore encrypted files in event of a ransomware attack.	Solution must have capabilities to isolate and quarantine the endpoints from the network in scenarios where windows patches, hotfixes, services packs, virus definitions are missing or outdated on the endpoint. The solution must have capabilities to prevent against ransomwares attack.	requirements are met as a minimum.
328.	Volume II/Section 2.24 Centralised EDR - point number EDR.006	187	Shall have facility to clean, delete and quarantine and restore the virus, malware, and ransomware affected files. Should support scanning for ZIP, RAR compressed files, and TAR archive files. Should support online update, where by most product updates and patches can be performed without affecting the normal operations. Must update itself over	EDR solution support lots of other files in addition to compressed files and not all OEM support all file types. For larger participation we request following change: Please change the clause to: Shall have facility to clean / delete / quarantine virus, malware, and ransomware affected files. Should support scanning for ZIP / RAR compressed files / TAR archive files and others. Should support online update, where by most product updates and patches can	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			internet for virus definitions, program updates etc. (periodically as well as in push-updates in case of outbreaks).	be performed without affecting the normal operations. Must update itself over internet for virus definitions, program updates etc. (periodically as well as in push-updates in case of outbreaks).	
329.	Volume II/Section 2.24 Centralised EDR - point number EDR.008	187	All binaries from the vendor that are downloaded and distributed must be signed and the signature verified during runtime for enhanced security. Updates should be capable of being rolled back in case required	Different OEM use different approach in distributing the binaries, while some publish it in public website other only allow it to be downloaded from the EDR Dashboard thus achieving the functional requirement. Hence requesting following change for wider participation of OEM : Please change the clause to: All binaries from the vendor that are downloaded and distributed must be signed and the signature verified or downloaded with configured policies from the dashboard during runtime for enhanced security. Updates should be capable of being rolled back in case required	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
330.	Volume II/Section 2.24 Centralised EDR - point number EDR.010	187	Should provide in browser protection through plugin or add on mechanism to prevent and control download of malicious and unknown attacks and by blocking access to data entering on phishing websites, by removal of harmful active content in files and by converting potentially harmful files to PDF.	Some OEM require plugins for this solution to work while other use other security components which is asked as part of the overall security solution. Hence we request you to allow bidder to architect their solution while meeting the functional requirement. Request to make the following change to allow wider participation of OEM: Please change the clause to "Solution should support browser protection through plugin or equivalent to prevent and control download of malicious and unknown attacks and by blocking access to data entering on phishing websites.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
331.	Volume II/Section 2.24 Centralised EDR - point number EDR.011	187	Should integrate with the sandboxing solution provided in APT solution. The solution must be provided with a centralized management console	Since in APT specification number of endpoint asked is 1000 whereas in EDR the number is 500 and hence requesting clarity. Please clarify whether 1000	It is 1000 endpoints. However, Bidder to ensure that RFQ cum RFP requirements

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			to manage at least 500 endpoints	Endpoints are required from day or 500.	nts are met as a minimum.
332.	Volume II/Section 2.27 DLP - 001	195	The solution should be able to enforce policies by URL's, domains or URL categories either natively with a Web Security solution. The solution should be able to prevent content getting posted or uploaded to specific geo-destinations on HTTP and HTTPS. The solution should be able to monitor FTP traffic including fully correlating transferred file data with control information and should be able to monitor IM traffic even if its tunnelled over HTTP protocol	Since DLP capabilities have already been asked in Email and Web Security Solution, we request to create separate category for DLP for Endpoint. This would help first in designing non-overlapping solution and second removing duplicacy of efforts and finally reducing cost of overall solution. Also combining DLP of endpoint with email gives undue advantage to certain OEMs. Request the following change for wider participation of OEM : Please change the clause to: "The proposed DLP Endpoint solution should be able to enforce policies by URL's, domains or URL categories. The solution should be able to prevent content getting posted or uploaded to specific geo-	As per Bidder's design. Bidder to ensure that RFQ cumRFPPre requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				destinations on HTTP and HTTPS . The solution should be able to monitor FTP traffic including fully correlating transferred file data with control information and should be able to monitor IM traffic even if its tunnelled over HTTP protocol"	
333.	Volume II/Section 2.27 DLP -002	195	The end point solution should inspect data leaks over HTTP , HTTPs and SMTP. The solution should monitor and control sensitive emails downloaded to mobile devices through ActiveSync. The solution should be able to block outbound emails sent via SMTP if its violates the policy. The proposed solution should work as a MTA to receive mails from mail server and inspect content before delivering mails to next hop and should	Endpoint and MTA are two different solutions. Endpoint solution is installed on hosts while MTA is deployed at perimeter and hence could not be part of same specification. Since Email has already been asked hence requesting the change to allow wider participation of OEM : Please change th clause to: The end point solution should inspect data leaks over HTTP , HTTPs and SMTP. The solution should monitor and control sensitive emails downloaded to mobile devices through ActiveSync. The solution should be able to block outbound emails	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			quarantine emails that are in violation of company policy.	sent via SMTP if its violates the policy.	
334.	Volume II/Section 2.27 page number 196 DLP- 009	196	"The solution should be able to alert and notify sender, sender's manager and the policy owner whenever there is a policy violation, Different notification templates for different audience should be possible. The solution should support quarantine as an action for email policy violations and should allow the sender's manager to review the mail and provide permissions for him to release the mail without logging into the UI"	Since ths is endpoint solution running on host and we are asking for an separate email security solution, we request you to allow th bidder to architect their solution while meeting the functional requirement. Request the following change to allow wider participation of OEMs: Please change the clause to: "The solution should be able to alert and notify sender, sender's manager and the policy owner whenever there is a policy violation, Different notification templates for different audience should be possible. "	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.
335.	Volume II/Section 2.27 DLP- 013	196	The proposed system should be a dedicated appliance based	Please confirm the number mail boxes to be supported by proposed solution	As per Bidder's design.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			solution or Virtual Application image for email security. The Solution should have feature of virus scanning engine strip the infected attachments and the Solution should detect known or suspect secure-risk URLs embedded in the email, which are reliable indicators of spyware, malware or phishing attacks.		Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
336.	Volume II/Section 2.27 DLP- 013	196	The proposed system should be a dedicated appliance based solution or Virtual Application image for email security. The Solution should have feature of virus scanning engine strip the infected attachments and the Solution should detect	Since DLP and Email are two different solution and deployed at two different places, we request to segregate them into two different categories. Please separate the DLP and Email in two different categories	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			known or suspect secure-risk URLs embedded in the email, which are reliable indicators of spyware, malware or phishing attacks.		
337.	Volume II/Section 2.27 DLP- 014	197	The Solution should have feature of virus scanning engine strip the infected attachments and The Solution should detect known or suspect secure-risk URLs embedded in the email, which are reliable indicators of spyware, malware or phishing attacks. The solution should support dictionaries scanning and dictionaries are built-in the product and allow customer to create his own dictionary. The solution should have at least	1500+ is specific to certain OEM. Hence requesting the following change for wider participation of OEMs: Please change the clause to: The Solution should have feature of virus scanning engine strip the infected attachments and The Solution should detect known or suspect secure-risk URLs embedded in the email, which are reliable indicators of spyware, malware or phishing attacks. The solution should support dictionaries scanning and dictionaries are built-in the product and allow customer to create his own dictionary. The solution should have a 100s of predefined/customized content	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			1500+ predefined content rules inbuilt with Email Security & embedded in the product	rules inbuilt with Email Security & embedded in the product	
338.	Volume II/Section 2.27 DLP- 017	197	The solution should perform image based filtering. It's should use sophisticated analytical algorithm to analyse image to determine attributes that indicate the image may be of a pornographic or non pornographic nature in known and unknown spams emails. The solution should have capability to analyse text inside image going through email. The solution should monitor and control sensitive email download to mobile devices through active sync	Smart City projects are closed environment and accessing any information from mobile devices require full security stack for roaming users and hence requesting change Please change the clause to: The solution should perform image based filtering. It's should use sophisticated analytical algorithm to analyse image to determine attributes that indicate the image may be of a pornographic or non pornographic nature in known and unknown spams emails. The solution should have capability to analyse text inside image going through email."	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
339.	Volume II/Section 2.27 DLP- 019	197	The solution should have centralized management, including policy configuration, quarantines and logs/reporting. The solution should support the real-time graphical and chart-based dashboard for the summary of email filtering activities. The solution should be able to manage the complete solution - DLP, Email and web security through same centralized management	Since Endpoint DLP, Email Security and Web Security could be from different OEM, this clause would restrict the participation of other leading OEMs. Hence requesting change for wider participation of OEMs: Please change the clause to: The solution should have centralized management, including policy configuration, quarantines and logs/reporting. The solution should support the real-time graphical and chart-based dashboard for the summary of email filtering activities."	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met as a minimum.
340.	Volume II/Section 2.27 DLP- 025	198	Anti-Spam / Content Level Detection : The propose system shall minimally integrated following spam detection technologies with unlimited users license for Inbound and Outbound Email	Different OEM have different approach of handling a security threat. Hence requesting the change without diluting the functional requirement. This would allow wider participation of OEMs. Please change the clause to:	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Filtering, Extensive Heuristic Spam Filters, Dynamic Heuristic Rule Updates, Attachment Content filtering, Deep Email Header Inspection, Spam Image Analysis Scanning, PDF Scanning / PDF Image Scanning, Global and User Customized Black/White List Filtering, 3rd Party RBL and DNSBL support & Forged IP Checking	Anti-Spam / Content Level Detection : The propose system shall minimally integrated following spam detection technologies with required users license for Inbound and Outbound Email Filtering, Extensive Heuristic Spam Filters/Dynamic Heuristic Rule Updates/Equivalent, Attachment Content filtering, Deep Email Header Inspection, Spam Image Analysis Scanning / PDF Scanning / PDF Image Scanning or Equivalent, Global / User Customized Black/White List Filtering, 3rd Party RBL / DNSBL support, Forged IP/Email Checking	as a minimum.
341.	Volume II/Section 2.27 DLP- 026	198	AntiVirus/Spyware Protection: The proposed system should have integrated Antivirus with unlimited users license and provides the following services:	Most of the solution are sized on the basis of number of mailboxes to be supported, hence the requested change. Request the change for wider participation of OEMs: Please change the clause to: AntiVirus/Spyware Protection:	As per Bidder's design. Bidder to ensure that RFQ cumRFP requirements are met

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				The proposed system should have integrated Antivirus with required users license and provides the following services:	as a minimum.
342.	Volume II/Section 2.35 WSA	222	The solution should Inspect files and cloud content in real-time to prevent the malicious or unintentional leakage of confidential information. Identify and analyze sensitive or regulated data stored in cloud file-sync services to understand sharing permissions exposure and ensure compliance with regulations such as PCI, SOX, and HIPAA.	Since Smart City solutions does not use any cloud ie SAAS base application, hence this clause is not relevant and hence requesting removal. Please remove this clause	RFQ cum RFP Prevails.
343.	Volume II/Section 2.35 WSA	222	The solution should inspect the sensitive content through pre-defined templates, textual content inside image, cumulative content control and inspection through web	Since Smart City does not have any CAD or Scanned Document or MRI which are relevant in other industry and hence requesting removal. Please remove this clause	RFQ cum RFP Prevails. As per Bidder's design. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			channel from day 1. Monitor and protect text within an image to identifies sensitive data such as CAD designs, scanned documents, MRI's and screen shots on web channel.		that RFQ cum RFP requirements are met as a minimum.
344.	Volume II/Section 2.35 WSA	222	The solution should support same policy enforcement in real time policy sync for users even when they access Internet outside the corporate network, this should be enforced through an agent deployment on roaming endpoints. (MAC/Windows). Roaming user traffic should not come to the organization network for the policy check. By using on premise appliances to provide high-capacity throughput for large	Since SmartCity doesn't have roaming users hence requesting removal. Please remove this clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			offices while using the cloud to secure smaller satellite offices and mobile users with no need to route traffic back to a central location. It reduce bandwidth utilization for better performance.		
345.	Volume I /Annexure 5 Proposed Bill of Material	75	B.9 and C.12 Antivirus suite/Gateway	We are assuming that this component is nothing but "Web Security Solution" as asked in Volume II - Section 2.35 of Technical Specifications. Please confirm	Refer Addendum Sr. No.5
346.	Volume I /Annexure 5 Proposed Bill of Material	76	B.9 and C.12 Antivirus suite/Gateway	We are assuming that this component is nothing but "Web Security Solution" as asked in Volume II - Section 2.35 of Technical Specifications. Please confirm	Refer Addendum Sr. No. 5
347.	Volume II/ Section 2.33	213	Network Behavior Solution System	The specifications for this solution are mentioned in Volume II of this RFP but there is no line item for this component in the price bid/proposed BoQ.	Refer Addendum . Sr. No. 5

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				This is required as per the MOUD cyber security guidelines as well. Request to add the line item as part of the price bid and proposed BoQ in Volume I	
348.	Volume II/ Section 2.36	223	Application performance monitoring and management	The specifications for this solution are mentioned in Volume II of this RFP but there is no line item for this component in the price bid/proposed BoQ. This is a very critical component required as per the solution for application performance monitoring. Request to add the line item as part of the price bid and proposed BoQ in Volume I	Refer Addendum Sr. No. 5
349.	Volume I/Price Bid/D. Utility Poles Passive and active components D3 : POE Industrial switch	9	POE Industrial switch	There are no specifications mentioned for Industrial Grade switch. Request you to provide minimum technical specifications for Industrial Grade Switch.	Refer Addendum Sr. No. 3
350.	Volume II/2.2. COMPONENT 2: Command Control	32	A common Data Centre and Disaster Recovery Centre for the CCC and OCC will house the	Our understanding is that OCC will have a separate DC and CCC will have a separate DC (This is how the price bid is also structured). While both OCC and	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Centre (CCC) for Police		entire IT and related infrastructure.	CCC will have a common DR. Please clarify the same.	
351.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police	35	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. There shall be no loss of video recording in a CCC in case of failure of any single server and storage component. Both Server Room and cloud DR Site shall work in an Active-Active mode.	Our understanding is that cloud DR will have all the application components which are hosted out of server room DC for CCC to meet this clause. This means that the cloud DR will also have IOP/VMS/Video Analytics application software components with video recording happening at cloud DR simultaneously. Please clarify the same. As an optimal solution video recording should only be restricted to server room DC for CCC. This will provide huge cost savings as taking video feeds onto cloud DR will drastically increase the project cost!	Refer Addendum Sr. No. 4
352.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police	41	The Server Room and it corresponding HA/ cloud DR site will be the nerve centre wherein all the ICT	Our understanding is that DC for CCC will only have video related applications like IOP/VMS/Analytics etc. This clause is contradictory and asks	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	C. Solution Requirements/Server Room		infrastructure along with the network infrastructure will be installed. The data centre will host all the software applications for various smart city components.	for smart city components also to be hosted out of CCC DC. Whereas our understanding was that the smart city components will be hosted out of OCC DC only. Please clarify the same as there is lot of ambiguity.	
353.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police C. Solution Requirements/Server Room	41	The Disaster Recovery Centre will serve as a platform for making all the applications hosted at the data centre available in the event of a failure or a disaster. In case of non-availability of Server Room, the cloud DR centre should be able to operate all the applications for the smart city components. The DR centre will have all the functionality and infrastructure similar to the data centre. It will be possible to run the OCC and CCC	Please clarify if CCC DC and OCC DC are two different sites. Also clarify what applications will be hosted out of CCC DC and OCC DC (according to this clause both OCC and CCC should be identical). Also request you to clarify if cloud DR will host all the applications hosted out of both these data centres. Our recommendation is that video feeds and storage should be restricted to CCC DC only and not taken to cloud DR to save cost.	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			interchangeably in case there is an outage in any of the centres due to any issue.		
354.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police Disaster Recovery Site	43	There shall be no loss of video recording in case of failure of any single server and storage component. Both Server Room and DR Site shall work in an Active-Active mode with 100% recording of cameras and application availability of all smart city components.	According to this clause the cloud DR will have all the application components which are hosted out of server room DC for CCC and server room OCC. This means that the cloud DR will also have ICCV/VMS/Video Analytics application software components with video recording happening at cloud DR simultaneously. Please clarify the same. As an optimal solution video recording should only be restricted to server room DC for CCC. This will provide huge cost savings as taking video feeds onto cloud DR will drastically increase the project cost!	Refer Addendum Sr. No. 4
355.	Volume II/ 2.3. COMPONENT 3: City Operation	47	The proposed solution should support recording of external	Please remove this point as this feature/functionality is specific to some vendor.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Command Centre (OCC) for AMC section- C. Solution Requirement		mobile video feeds, data communication, telephony etc., it should support scenario reconstruction and analytics capabilities with event timelines. The solution should support event logs including operator's onscreen activities, voice & video events etc., for further analysis, training and similar activities.		
356.	Volume II/ Integrated Operation Platform (IOP)	47	Under the Aurangabad Smart City initiative phase -1 , it is intended to cover various disparate systems including:..... s Sensors of all types	"Sensors of all types" is very open asks, this needs more elaborate articulation to help us in providing accurate and cost optimized solution.	RFQ cum RFP Prevails
357.	Volume II/ Reports	51	Solution is required to issue, log, track, manage and report on all activities underway	Request to provide details for "incident simulation". If the expectation is same as "scenario	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			during these modes of operation: o recovery o incident simulation	reconstruction" then we request to remove this point.	
358.	Volume II/ OCC Operations	52	Ability to capture Operators response in Text, Audio & Video	Request to remove this clause from OCC / IOP section, as this is call center solution requirement.	RFQ cum RFP Prevails
359.	Volume II/ OCC Operations	52	Capture the operator response by text, audio & video	Same as above clause: Request to remove this clause from OCC / IOP section, as this is call center solution requirement.	RFQ cum RFP Prevails
360.	Volume II/ OCC Operations Page 52		Allow operator to transfer the incident report to Mobile Device / another operator's console	Same as above clause: Request to remove this clause from OCC / IOP section, as this is call center solution requirement.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
361.	Volume II/ 2.10 Integrated Operation Platform (IOP)	162	IOP.030- "Post Incident Requirement - Shall provide a facility to export all the event	Our understanding is, the IOP software platform needs to provide report for all Incident in	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			scenario as a playable media file"	formats like PDF, CSV, XLS etc. Please confirm.	
362.	Volume II/ 2.10 Integrated Operation Platform (IOP)	163	IOP.037- "Web Intelligence - System should have a tool for monitoring websites and social networks for topics of interest over time such that it should monitor new information on a variety of requirements from multiple sources in one platform."	Our understanding is, the requirement is the IOP software platform should integrate with web based search engine, example: Google search engine. Please confirm.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
363.	Volume I /5.1 Manufacturers'/ Producers' Authorization Form	73	We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	End of Life means End of support. As the technology product lifecycle is usually 5 years in the industry and the project is asking for support for 5 years, it is requested to modify the clause in MAF as: "We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				be available for <u>minimum of 05 years</u> from the date of bidding."	
364.	Volume II/ 2.1 Laser Video Wall	144	50'' Cubes (LASER) Based projection) or Larger	Request you to consider 70" screen Size	RFQ cum RFP Prevails
365.	Volume II/ 2.1 Laser Video Wall	144	Control BD Input terminals	Pls remove : Input: 1 x Analog RGBHV	RFQ cum RFP Prevails
366.	Volume II/ 2.1 Laser Video Wall	144	Dimensions : Diagonal: 50 " or better	Request you to consider 70" diagonal size	RFQ cum RFP Prevails
367.	Volume II/ 2.1 Laser Video Wall	144	Cube control & Monitoring System should be based on python- django framework with web browser architecture	System should be based on python- django framework with web browser architecture or equivalent	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
368.	Volume II/ 2.1 Video Wall Controller	144	Display controller	Pls specify the no. inputs and outputs	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
369.	Volume II/ 2.1 Laser Video Wall	144	To Include -Automatic Contionous colour and brightness management mechanism to be provided.	Request to include Automatic Contionous colour and brightness management mechanism to be provided so that same level of colors , contrast & brightness is maintained throughtout the life period of equipment	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
370.	Volume II/ 2.1 Laser Video Wall	144	To Include - Video wall solution should be from single OEM	The display solution as well as the complete control ware including Display Controller,	As per bidder solution,

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Central management SW & Web-streaming hardware as well as software should be of same Make/OEM	bidder to ensure that all the RFQ cum RFP requirements are met as minimum
371.	Volume II/ 2.1 Laser Video Wall	144	To Include - Remote Viewing	The video wall content will be able to show live on any remote display .Mobile with IE (no apps) as this is very important feature for 24x7 Operations as well as for crisis management and for flexibility to see content as an when required	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
372.	Volume II/ Scope of Work/2.18 Blade Chassis(BCH.009)	174	Fabric switches should support the direct connection to FC/FCoE enabled storage arrays	Kindly delete this clause as it is OEM specific. Every OEM has different blade architecture and connectivity of external FC storage is always preferred via	As per bidder solution, bidder to ensure that all the

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				SAN switch so that multiple chassis can be connected.	RFQ cum RFP requirements are met as minimum
373.	Volume II/ Scope of Work/2.18 Blade Chassis(BCH.015)	175	Administrators should be able to decide the threshold / cap on the maximum power that the chassis can draw.	Request the authority to update the clause to " Administrators should be able to decide the threshold / cap on the maximum power that the server/chassis can draw." Every OEM has different chassis features and power capping at server level will serve the same purpose. Please relax the clause for wider OEM participation.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
374.	Volume II/ Scope of Work/2.20 External Storage - SAN/NAS/ Unified storage(STO.005)	177	Dual, both Active, Minimum 96 usable cache across Controllers (Min 32 GB per Controller).	Since the clause is talking about multiple Cache parameters and leading to an ambiguity , request you to please change the clause to " Min 128 GB of Total DRAM Protected Cache shall be provided across the controllers "	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					nts are met as minimum
375.	Volume II/ Scope of Work/2.29 SAN Switch(SAN.003)	202	The switch should support auto-sensing 16,8,4 & 2 Gbit/sec FC capabilities. It should also support 10G FC for connecting to WDM devices	Requesting to change the specs as "The switch should support auto-sensing 16,8 and 4 Gbit/sec FC capabilities." 2Gbps devices are end of life and not being available across the industry on new Storage Devices.WDM devices directly terminating to the SAN switches is not as per the best practices. So 10G WDM support will not be required at SAN switch as the router links will be terminating via router and other switches.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
376.	Volume II/ Scope of Work/2.29 SAN Switch(SAN.007)	203	The switch should support 10G FC for DWDM connections	Kindly delete this clause as DWDM devices directly terminating to the SAN switches is not as per the best practices. Therefore 10G DWDM support will not be required in SAN switches as the router links will be terminating via router and other switches.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					nts are met as minimum
377.	Volume II/ Scope of Work/2.20 External Storage - SAN/NAS/ Unified storage		New Clause	Requesting to add following clause "Dual active controller scalable to 4 with automated I/O path failover." This will ensure that proposed storage will be scalable in future by just addition of enclosure/disks, thus lowering overall investment down the line as the capacity needs of ASCL increases.	No Change
378.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi//B. Scope of Work/S	95	User wise, Access point wise, connectivity and data usage report in digital format from systems, security events, forensic auditing in given format.	Please explain about forensic auditing	RFQ cum RFP is clear. It is a detailed data audit in regard to fraudulent activities related to financial data, data

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					breach, etc.
379.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi//B. Scope of Work/a	95	a) Citizen should have an option to enable/disable connection to city Wi-Fi	Please remove this point.This feature will be handled by user not from wifi system	RFQ cum RFP Prevails.
380.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi/C. Solution Requirement	96	Industrial Grade Switch – Type 1	Please change to Industrial Grade Switch or enterprise grade switch – Type 1 The Switch will be placed in to junction box which is having the cooling arrangement and will have required IP rating to always Protected against tools and wires (>2.5mm) and Protected against condensation. Considering the climate condition the enterprise grade switch will serves the requirement	Ref. Addendum . Sr. No 3.
381.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi/Key features	96	e) Case-covering must be there for the AP but leaving the antenna out (if external antennas	Please remove this point	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	of Wi-Fi Access points (AP)/e		are there) to achieve anti-theft protection.		
382.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi/Key features of Wi-Fi Controllers/a	97	a) WLAN controllers should be, capable of managing at least 1500 Wireless AP and should be scalable as and when required.	Please change to WLAN controllers should be, capable of managing at least 1500 Wireless AP and should be scalable as and when required with additional hardware controller. Each controller is having the capacity for serving the access point, if the AP count going beyond the controller limit extra hardware controller should be purchased	RFQ cum RFP Prevails.
383.	Volume II/ Scope of Work/2.7. COMPONENT 7: City Wi-Fi/Key features of Backbone Network/a	97	a) Public Wi-Fi network architecture design should include latest BIS, DeitY, IEEE guidelines, and WPC standards for access points	Please remove BIS, DeitY. The Wifi will be on IEEE standard and all the design will be based on IEEE standard.	This shall be read as: BIS/ DeitY, IEEE guidelines, and WPC standards for access points.
384.	Volume II/ Scope of Work/2.12 Core Router/CR-002	165	Interface Requirement: 16 X 1 Gig Base SFP interface and 4 X 10Gig	Please change to 4 X 1 Gig Base SFP interface and 4 X 10Gig interface (The optics should be	As per Bidder's

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			interface (The optics should be populated from day one) and Chassis should have atleast 3 free main slot (not daughter slots) to scale in future to support additional 8 X 10Gig interface or 60 X 1 Gig interface in future.	populated from day one) and Chassis should have atleast 3 free main slot (not daughter slots) to scale in future to support additional 4 X 10Gig interface or 4 X 1 Gig interface in future. Such a higher port density is not required at the core router. Core router will placed in the datacentre and ISP link (two or four) will terminated on the core router.	design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
385.	Volume II/ Scope of Work/2.12 Core Router/CR-003	165	The Router should have High Availability Features: Non-Stop Routing, Graceful Restart, In Service Software Upgrade, 802.1ag, MC-LAG, BFD for IPv4 and IPv6, VRRP.	Please change to in service software upgrade or Hitless software upgrades. Hitless software upgrades allow patches to be installed without restarting the device, increasing network uptime and simplifying maintenance	RFQ cum RFP Prevails
386.	Volume II/ Scope of Work/2.12 Core Router/CR-007	165	Certification: Router should be NEBS certified and EAL 3/NDPP certified under Common Criteria.	Please remove the NEBS certification .In Telecom Data Center as the telecom has guidelines to have equipment which is NEBS Compliant. Equipment will be used in Telecom sector	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				This router will be used in smart city and will not be used for Telecom purpose that's why we do not required the NEBS certification for Routers.	
387.	Volume II/ Scope of Work/2.13 Core Switch/CS-006	166	Protocols: IEEE 802.1w RSTP and IEEE 802.1s MSTP, RIP V1/v2, OSPF v1/v2, BGPv4, IPv6 packet switching. VRRP, should support MPLS, GRE tunnelling, IP Multicast PIM - SSM, MSDP, IGMP v1, v2, v3, IGMP Snooping, H/W based IPv4 and IPv6 Multicasting	Please remove MPLS , Please change to PIM-SM, Please remove MSDP, Please remove IPv6 Multicasting. At the core switch MPLS is not required because MPLS will be terminated on the Router not on the core switch. In multicast PIM-SM is widely used in Smartcity deployment. MSDP, and IPv6 Multicasting will be done in router not at the core switch	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
388.	Volume II/ Scope of Work/2.13 Core Switch/CS-009	166	IEEE Standards: IEEE 802.1AB, IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ae, IEEE 802.3ah/IEEE 802.3ag, IEEE 802.3ad,	Please remove "802.3ah/802.3ag and change to 803.3ah or 802.3ag or 801.3ad or TRILL ("TRansparent Interconnection of Lots of Links) 802.3ah/802.3ag protocol is required in service provider environment not in core switch. IEEE 802.3ag is Connectivity	As per Bidder's design. Bidder to ensure that RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Fault Management (CFM) ITU Y.1731, which is required to check the connectivity fault between core router and access level network. 802.1ah Provider Backbone Bridges (PBB; known as "mac-in-mac") is a set of architecture and protocols for routing over a provider's network allowing interconnection of multiple	requirements are met as a minimum.
389.	Volume II/ Scope of Work/2.16 WAN Internet Router/IR.002	172	Router Should have minimum 35 Gbps throughput from day 1 with minimum 50 Mpps with services on IPv4 and IPv6. Route Processors should have minimum 2GB of of RAM/DRAM. Optional 4GB of flash memory may also be required as per project requirements.	Please change to "8 Gbps throughput from day 1 with minimum 30 Mpps with services on IPv4 and IPv6" Please remove Optional 4GB of flash memory may also be required as per project requirements. For internet router such a higher throughput is not required. Our network operating system don't have layered software designed ,so we made a light kernel with all features built in it and we have tested performance and published the results publically	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>as well. The other OEMs have created layered software and to run the added feature they required higher RAM and Flash to deliver the required performance</p> <p>In a Router performance is important and not the RAM and Flash, higher the RAM and Flash does not improve performance</p>	
390.	Volume II/ Scope of Work/2.16 WAN Internet Router/IR.003	172	<p>Minimum 6 x Gigabit Ethernet routing ports with copper transceivers and 4x Gigabit Ethernet Ports (Supporting long haul and short haul SFP). hold support wide variety of interfaces including 10G, OC3, OC48, DS3, ChE1/T1 WAN interfaces, should support 4 x 10G ports.</p>	<p>Please change to 2x Gigabit Ethernet routing ports with copper transceivers and 2 x Gigabit Ethernet Ports (Supporting long haul and short haul SFP). should support 1 x 10G ports.</p> <p>Please remove "Variety of interface OC3,OC48,DS3,ChE1/T1 WAN interface".</p> <p>Such a higher port density is not required at the internet router. internet core router will placed in the datacentre and ISP link (two or four) will terminated on</p>	<p>As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>the internet router.</p> <p>All ISP will give the Ethernet handoff for last mile connectivity, so OC3,OC48,DS3,ChE1/T1 WAN interface Ports connectivity will not be required at the WAN Internet Router</p>	
391.	Volume II/ Scope of Work/2.16 WAN Internet Router/IR.004	172	<p>Features: QoS classification, policing and shaping, NAPT44, NAPT64, NAT-PT, NAPT66,NAT44, 6to4, Twice-NAT44, 6in4, PAT-PP, Dynamic-NAT, ACL, Router should support hardware encryption capabilities.</p>	<p>Please remove NAPT64, NAPT66, 6to4, Twice-NAT44, 6in4, PAT-PP, Dynamic-NAT</p> <p>The NAT feature will be used in the firewall and NAT functionality already asked in DC firewall and all these feature of NAT will be required in Firewall not in router.</p>	<p>As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.</p>
392.	Volume II/ Scope of Work/2.16 WAN Internet Router/IR.005	172	<p>Should support 250k IPv4 and 250k IPv6 Routes, 200k MAC addresses, 1000 VRFs</p>	<p>Please change 16K MAC address A router is a Layer 3 (Network Layer) device so technically it doesn't have to concern itself with MAC addresses to operate</p>	<p>Accepted</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				and fulfil it's function. All routers do store MAC addresses is because they offer multiple network ports which operate on switching level (Layer 2, Data Link). The MAC table entries basically required for Layer2 Function.in router instead of Higher MAC address we have to required higher routing tables	
393.	Volume II/ Scope of Work/2.17 Distribution Switch/DSW.001	173	The Should have Non-blocking (WireSpeed) Architecture with Minimum 24 ports of 10/100/1000 base-T and 4 SFP+ uplink ports (populated with required modules). 1 U Rack mountable and should provide stacking of minimum 9 switches with 80 Gbps of dedicated stacking bandwidth (All required accessories, licenses to be provided). Switch should support internal	Please change to should provide stacking of minimum 8 switches with 40 Gbps of dedicated stacking bandwidth (All required accessories, licenses to be provided). Switch should support internal redundant power supply.8 switch stack is provided by all OEM specific and for 24 port 1G port 40Gbps stack throughput is required.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			redundant power supply.		
394.	Volume II/ Scope of Work/2.17 Distribution Switch/DSW.003	173	Protocol: IGMP snooping v1 & v2, static IP routing and RIP from day 1, Should be upgradable to OSPF, OSPFv3, RIPnG, PIM, MLD in future, SSH, SNMPv3, DHCP,	Please remove "Should be upgradable to OSPF, OSPFv3" The L3 feature is not required, if the Layer 3 deployment is required then please ask for full L3 featured switch	A per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
395.	Volume II/ Scope of Work/2.17 Distribution Switch/DSW.006	173	Switch should be FCC Part 15, ICES-003, VCCI Class A, EN 55022, EN 55024, EN 300386, CAN/CSA 22.2 No.60950-1, IEC60950-1, Reduction of Hazardous Substances (ROHS) 6 certified	Please remove", EN 300386," and change to Reduction of hazardous substances(ROHS)certified or EEE certified.EN 300386 is applicable Telecom equipment, RoHS and WEEE regulation will be applicable for Green initiative support	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
396.	Volume II/ Scope of Work/2.22 TOR (Top of the Rack) Switch/TORS.001	182	<p>§ 24 or 48 (as per density required) 1G/10G Ethernet ports (as per internal connection requirements) and extra 2 numbers of Uplink ports (40GE)</p> <p>§ All ports can auto-negotiate between all allowable speeds, half-duplex or full duplex and flow control for half-duplex ports.</p> <p>§ MSI can propose a non-blocking architecture</p>	Please remove :all port can auto-negotiate between all allowable speed, half duplex or full duplex and flow control for half-duplex ports".The fiber transceivers (10G or 1G) are not auto-negotiable, it will work on	Accepted.
397.	Volume II/ Scope of Work/2.22 TOR (Top of the Rack) Switch/TORS.013	183	Dual load sharing AC and DC power supplies	Please remove DC power supplies.The network equipment will be deployment on AC supply not on DC supply	As per Bidder's design.
398.	Volume II/ Scope of Work/6.1 Wifi Specifications/WIFI. 009	257	It is expected that the time taken by the user to login and use the Internet from the time he sees the initial page shall be less than 3 minutes.	Please remove this point.This is depends on the complete network infrastructure not only on Wifi	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
399.	Volume II/ Scope of Work/6.1 Wifi Specifications/Access Point/WIFI.015	258	Access points shall have an integrated in-built or external antenna (IP67).	Please remove the external Antenna. Maximum smart city deployment is on internal Omni-directional antenna, so external Antenna option is not required,	RFQ cum RFP Prevails.
400.	Volume II/ Scope of Work/6.1 Wifi Specifications/Access Point/WIFI.017	258	Access Point and Multi-Services Digital Kiosks shall be connected using dedicated fibre optic infrastructure for backhaul to Point of Presence (POP).	Please remove the fiber port in Access point For the one or two AP connectivity with edge switch, fiber media converter will also be used for cater this requirement. So for one or two location AP deployment fiber port in each AP is not a good option.	As per Bidder's design.
401.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Controller/WIFI.020	258	Wi-Fi network shall include Wi-Fi controller to monitor, manage, and control access points from the Control Centre.	Please remove the monitor Monitoring will be done through management software	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as a minimum.
402.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Management System/WIFI.029	259	Database: The system shall have a centralized database and subscriber management system.	Please remove this point All the NMS tool is having their own internal Database which is coming with the NMS software	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
403.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Management System/WIFI.030	259	The Wi-Fi network shall support multiple BSSIDs as needed to support the overall concept of operations including support for multiple operators.	Please clarify about support for multiple operators	RFQ cum RFP is clear. System shall be capable of providing support for multiple BSSIDs from

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					multiple operators.
404.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Management System/WIFI.038	260	Users shall have an option to enable/disable connection to city Wi-Fi.	please remove this point This will be done at user level and user can enable and disable the wifi connection in their device	Accepted.
405.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Management System/WIFI.040	260	Multiple payment gateway integration required allowing the users to make the payments using online/offline mode, including prepaid mobile balance & e-wallet applications and coupon based.	please remove "including perpaid mobile balance&e-wallet application and coupon based" This is the feature of billing software not the wifi system	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
406.	Volume II/ Scope of Work/6.1 Wifi Specifications/Wi-Fi Management System/WIFI.041	260	Client shall be able to generate MIS report to view overall usage, collections and other	Please remove this point This is the functionality of Billing software	As per Bidder's design. Bidder to

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			usage statistics over a defined time period.		ensure that RFQ cum RFP requirements are met as a minimum.
407.	Volume II/ Scope of Work/6.1 Wifi Specifications/Encryption and Security/WIFI.045	260	Wi-Fi network shall have a wireless network content filtering tool for filtering of malicious content on the internet such as pornography sites, rogue sites, torrents etc.	Please remove this point" This function is related to firewall placed in datacenter" This feature will be achieved through internal/external firewall	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
408.	Volume II/ Scope of Work/6.1 Wifi Specifications/TECHNICAL REQUIREMENTS/Access Point/WIFI.053	261	The Wi-Fi access point shall be supplied with MIMO sectoral (120x30 degrees) or omnidirectional antennas (in-built or external) as needed to meet the	Please remove "MIMO sectoral (120x30 degrees)" please remove (external antenna)" Please remove "it shall support multiple unique antenna pattern"	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			design requirements of the Project. It shall support multiple unique antenna patterns. The antennas shall have antenna gain required to support the coverage requirements of the Project.	Maximum smart city deployment is on internal omnidirectional antenna, so external Antenna option is not required,	
409.	Volume II/ Scope of Work/6.1 Wifi Specifications/TECHNICAL REQUIREMENTS/Access Point/WIFI.065	262	The Wi-Fi access point shall support: <ul style="list-style-type: none"> • Minimum One PoE+ autosensing port 10/100/1000BASE-T Ethernet network interface (RJ-45) and one SFP/SFP+ for fiber connectivity (optional). • Power over Ethernet or Power over Ethernet+. 	Please remove "one" SFP/SFP+ for fiber connectivity(optional) For the one or two AP connectivity with edge switch, fiber media converter will also be used for cater this requirement. So for one or two location AP deployment fiber port in each AP is not a good option.	RFQ cum RFP Prevails.
410.	Volume II/ Scope of Work/6.1 Wifi Specifications/TWi-Fi Management SystemWIFI.098	264	Database: The system shall have a centralized database and subscriber management system.	Please remove this point All the NMS tool is having their own internal Database which is coming with the NMS software	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
411.	Volume II/ Scope of Work/6.1 Wifi Specifications/TWi-Fi Management SystemWIFI.100	264	It shall be integrated with tool for monitoring and managing radio frequency (RF) dynamics within the wireless network, to include the following functions and benefits: <ul style="list-style-type: none"> • Accurate location information for all wireless users and devices • Up-to-date heat maps and channel maps for RF diagnostics • Visual display of errors and alerts 	Please remove Accurate location information for all wireless users and devices In the NMS tool we can find the AP location where the user is connected, the accurate wireless user and device information will be archive through GPS tracking not through WiFi	Accepted
412.	Volume II/ Scope of Work/6.1 Wifi Specifications/TWi-Fi Management SystemWIFI.105	265	Subscriber services: The system shall provide the users with a self-service portal to enable the new users to register, subscribe, seek information on tariff and billing, update user profile, and make	please remove this point This is the functionality of Billing software	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			payment through the portal.		
413.	Volume II/ Scope of Work/6.1 Wifi Specifications/TWi-Fi Management SystemWIFI.106	265	The system shall support SNMPv3, SSHv2 and SSL/SSH for secure management.	Please remove SSHv2 The NMS works on SNMP not on SSH	Accepted.
414.	Volume II/ Scope of Work/24.10 Annex-J (Public WI-FI)/XI	375	preferred: 3X3 MIMO	Please change to 2x 2 MIMO Maximum wireless devices like Mobile phone, Ipad, Laptop and other wireless devices are having 1x1 or 2x2 MIMO only	RFQ cum RFP Prevails.
415.	Volume II/ Scope of Work/24.10 Annex-J (Public WI-FI)/2	375	Wireless Access points specs		Query is not clear.
416.	Volume II/ Scope of Work/24.10 Annex-J (Public WI-FI)/ii	375	Shall feature a three spatial-stream 802.11ac (3x3 MIMO) integrated or external dual band (2.4GHz & 5GHz) antenna. iii. Shall have 802.3af or 802.3at compliant	Please change to two spatial-stream 802.11ac (2x2 MIMO) Please remove the external antenna Maximum wireless devices like Mobile phone, Ipad, Laptop and other wireless devices are having 1x1 or 2x2 MIMO only	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
417.	Volume II/ Scope of Work/24.10 Annex-J (Public WI-FI)/XIV	375	Must support up to 23dbm of transmit power in both 2.4 GHz and 5 GHz radios.	<p>Please change to minimum 18dBm of transmit power in both 2.4 GHz and 5 GHz radios. Please change to transmit power as per WPC</p> <p>Please change to minimum 18dBm of transmit power in both 2.4 GHz and 5 GHz radios. WPC is the governing body in India for Wireless communication.</p>	RFQ cum RFP Prevails.
418.	Volume II/ Scope of Work/24.10 Annex-J (Public WI-FI)/XV	375	The Wireless AP should have the technology to improve downlink performance to all mobile devices including one-, two-, and three spatial stream devices on 802.11n. The technology should use advanced signal processing techniques and multiple transmit paths to optimize the signal received by 802.11 clients in the	<p>Please remove three spatial stream</p> <p>Maximum wireless devices like Mobile phone, Ipad, Laptop and other wireless devices are having 1x1 or 2x2 MIMO only</p>	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			downlink direction without requiring feedback and should work with all existing 802.11 clients.		
419.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/1	213	Should have an automated discovery function to identify network devices and capture information such as IP address, OS, services provided, other connected hosts.	Please remove this point. This is more related to NMS This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
420.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/5	213	The solution should be capable of detecting denial-of-service (DoS) and distributed denial-of-service (DDoS) attacks including floods of all types (ICMP, UDP, TCP SYN, TCP NULL, IP NULL etc.), identify the presence of botnets in the network, identify DNS spoofing attack etc.	Please remove this point, This is the feature of DoS and DDoS software This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
421.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/15	214	Should support the capability Application profiling in the system and should also support custom applications present or acquired by the bank/customer	Please remove this point, This is OEM specific feature This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
422.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/16	214	Solution should be compatible with a virtual environment.	please change to Virtual/hardware environment. This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
423.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/18	214	Dashboard should have the facility to be configured according to user profile	Please remove this point, This is OEM specific feature This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
424.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/19	214	System should support event forwarding for SMTP, SYSLOG & SNMP for high risk issues	Please remove the SNMP This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
425.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/20	214	The solution must allow analysis by grouping of network segments such as User VLAN, Management VLAN, Server Farms etc.	Please remove the network segmentation. Our device use Peer based/device based analysis based on AD group peers and device category	RFQ cum RFP Prevails.
426.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/25	214	The solution should be able to conduct de-duplication of redundant flow identified in the network to improve performance	Please remove this point, This is OEM specific feature This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
427.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/26	214	The solution should have the ability to statefully reassemble uni-directional flows into bi-directional conversations; handling de-duplication of data and asymmetry	Please remove this point. This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
428.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/27	214	The solution should support all forms of flows including but not limited to cisco netflow,	Please remove sflow sflow has very limited data which is not very useful for analytic This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			juniper jflow, sflow, ipfix for udp etc.	Specific OEM. Please remove it or make open standard clause	
429.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/28	214	The solution should be able to combine/stitch the flow records coming from different network devices like routers/switches/firewall all that are associated with a single conversation and present them as a single bi-directional flow record	Please remove this point, This is OEM specific feature This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
430.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/29	215	The solution should be able to stitch flows into conversations even when the traffic is NATted by the firewall; clearly showing the original and translated IP address	Please remove this point, This is OEM specific feature This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
431.	Volume II/ Scope of Work/2.33 Network Behavior Solution	215	Solution should provide application bandwidth utilization graph for various applications which should include	Please remove this point, This is OEM specific feature This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	System/Network performance/1		bandwidth consumption for top hosts and trends on network bandwidth utilization.	Specific OEM. Please remove it or make open standard clause	
432.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/Network performance/3	215	Should support both in line and offline modes.	Please change to in line or Out of band This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
433.	Volume II/ Scope of Work/2.33 Network Behavior Solution System/Network performance/7	215	Solution should support traffic rate up to 1 Gbps	Please change to 5Gbps Knowing the Aurangabad smart city network 5Gbps minimum is required	RFQ cum RFP Prevails.
434.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/2	223	Automatically discover business transactions related to smart city applications	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
435.	Volume II/ Scope of Work/2.36 Application performance	223	Automatically discover standard back end systems (database, web services, app's etc.)	Please remove this point This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	monitoring and management/3			Specific OEM. Please remove it or make open standard clause	
436.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/4	223	The tool should Provide correlated views of distributed Transactions between tiers/services	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
437.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/5	223	The ability to automatically baseline every component within the Transaction – so we understand not just that business transaction is slow but specifically which component is breaching the baseline.	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
438.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/6	223	Provide code level diagnostics (class & method-level visibility) of poorly performing transaction	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
439.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/10	223	Automatically monitor entire call stack when application problems occur while maintaining less than 3% CPU overhead under high workload.	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
440.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Reduce Mean Time to Repair/4	223	Identify slow backend systems or external services without manual intervention	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
441.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Reduce Mean Time to Repair/5	223	Automatically discover code deadlocks	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
442.	Volume II/ Scope of Work/2.36 Application performance	224	Intuitive, attractive and feature rich web client	Please remove this point This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	monitoring and management/Provide Real-Time Business Metrics/Usability/1		to enable rapid adoption	Specific OEM. Please remove it or make open standard clause	
443.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Provide Real-Time Business Metrics/Usability/3	224	Provide automatic & dynamic baselining of all metrics to reduce false alarms and elimination of static thresholds	Please remove Automatic and Dynamic word This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
444.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Provide Real-Time Business Metrics/Usability/6	224	APM solution should group transactions together using a Session ID and display all transactions in order of execution.	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
445.	Volume II/ Scope of Work/2.36 Application performance	224	The ability to view and drill into "Flow Map" for extended periods	Please remove this point This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	monitoring and management/Historical Trending Capabilities/2		(e.g. 30 days, 6 months, 1 year etc).	Specific OEM. Please remove it or make open standard clause	
446.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Historical Trending Capabilities/3	224	The ability to compare “Flow Maps” from different time frames for up to 2 years	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
447.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Transaction Analytics/4	224	Identify all transactions for a particular user in a certain time frame by searching user ID, email, order ID or other unique customer identifiers.	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
448.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/Log Analytics /2	224	Log file data through TCP	Please remove TCP This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
449.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/DATA BASE MONITORING/Platform Support/4	225	Agentless installation - ability to rapidly deploy and eliminate risk on production database servers	please change to agent less or agent based This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
450.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/DATA BASE MONITORING/Platform Support/9	225	Ability to Export data to 3rd party applications	Please change to export the data in Exl or PDF This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
451.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/DATA BASE MONITORING/Platform Support/10	225	Static and dynamic alerting on collected database metrics	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
452.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/1	225	Support for native mobile applications	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
453.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/2	225	Support for mobile browsers	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
454.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/3	225	See mobile app performance, http errors, and network error information	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
455.	Volume II/ Scope of Work/2.36 Application performance monitoring and	225	See the performance of API calls from your mobile application to the server side	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	management/End user Monitoring/4				
456.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/5	225	Trace transactions from mobile device all the way to the server side	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
457.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/6	225	Correlate mobile transactions with server side transactions for drill down	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
458.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/7	225	Provide usage and performance analytics based upon device type	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
459.	Volume II/ Scope of Work/2.36 Application	225	Provide usage and performance analytics based upon OS type	Please remove this point This Feature is provided on one	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	performance monitoring and management/End user Monitoring/8			Specific OEM. Please remove it or make open standard clause	
460.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/9	225	Provide usage and performance analytics based upon OS version	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
461.	Volume II/ Scope of Work/2.36 Application performance monitoring and management/End user Monitoring/10	225	Provide unified user interface for mobile and server diagnostics	Please remove this point This Feature is provided on one Specific OEM. Please remove it or make open standard clause	RFQ cum RFP Prevails.
462.	Volume II/ Section 3.6 Technical Evaluation Framework (A)	Page 31	Project Experience - 30 Marks	This should be increased to 40 marks as per break up given for Project experience in 3.7 Technical Bid Criteria and Evaluation.	RFQ cum RFP Prevails
463.	Volume II/ Section 3.6 Technical	Page 31	Industrial Design & Innovation - 10 Marks	This should be removed as per break up given in 3.7 Technical Bid Criteria and Evaluation.	Refer Corrigendum. Sr. No 8

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Evaluation Framework (B)				
464.	Volume II/ Section 3.7 Technical Bid Criteria & Evaluation (A.2)	Page 32	Competence based on similar nature of project completed	Please clarify if CCTV based Surveillance System and City Operation Command Centre / Control and Command Centre are eligible under "similar nature of project"	RFQ cum RFP is clear
465.	Volume II/ Section 3.7 Technical Bid Criteria & Evaluation (A.6)	Page 33	Bidder (any consortium member) should have experience in executing project in development of Portal and Mobile App	Please explain if individual projects covering each component or projects covering either of the two components are eligible in the respective criterion.	RFQ cum RFP is clear. Development of both components is essential.
466.	Volume II/ Section 1.4 Schedule of Bidding Process (5)	Page 4	INR one Crore Only. (INR 100,00,000/-) payment to be made through e-Procurement portal online only	Please allow payment of EMD via Bank Guarantee and demand draft along with online method also.	RFQ cum RFP Prevails
467.	Volume II/ Section 2.2 Eligible Bidders c) (ii)	Page 7	Any of the Lead Bidders cannot be a Consortium	Please change the clause as Lead bidder or consortium member	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Member with another bidder in a separate bid	cannot be part of a another consortium for a separate bid	
468.	Volume II/ Section 2.9. Bid Validity Period	Page 10	Bid shall remain valid for the time period mentioned in the Schedule of Bidding Process. On completion of the validity period, unless the Bidder withdraws his bid in writing, it will be deemed to be valid until such time that the Bidder formally (in writing) withdraws his bid.	Kindly limit the bid validity period to 180 days. OEMs may not be comfortable in providing pricing validity for more than 180 days. Also, mostly all smart city tenders ask for a bid validity period of 180 days.	RFQ cum RFP Prevails
469.	Volume II/ Section 2.24 Disqualification (i)	Page 16	If any of the Lead Bidder is also partner in any other bid, then all the affected bids shall be disqualified	Please make this clause applicable to all members of consortium and not just Lead Bidder.	RFQ cum RFP Prevails
470.	Volume II/ Section 2.25 Key Personnel (a) (ii)	Page 17	Bidder shall not make any changes to the composition of the Key Personnel and not require or request any	Kindly allow change in resource deployment on mutually agreed basis.	If changed, Bidder has to comply RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			member of the Key Personnel to cease or reduce his or her involvement in the provision of the Services during the defined term of the engagement unless that person is terminated for a cause, is long-term disabled, is on permitted mandatory leave under Applicable Law or retires.		requirements followed by client approval process on mutually agreed basis.
471.	Volume I/ Instructions to Bidders	4	INR one Crore Only. (INR 100,00,000/-) payment to made through e-Procurement portal online only	In previous tender, (Ref: AMC/EE-I/2018/299), option to pay EMD was also through BG, which has been removed in current tender. We request you to please accept EMD through BG also.	RFQ cum RFP Prevails
472.	Volume I/ Instructions to Bidders	9	2.8. Earnest Money Deposit (EMD) a) The Bidder shall furnish, as part of his tender, Earnest Money		RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Deposit of INR 1,00,00,000/- (INR One Crore only). This Earnest Money Deposit shall be through e-procurement portal and to be paid online only. No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained.		
473.	Volume I/ 2.2. Eligible Bidders	7	Any of the Lead Bidders cannot be a Consortium Member with another bidder in a separate bid	Consortium is a legal arrangement so this clause should also apply for Consortium Members . Please clarify.	No change. RFQ cum RFP Prevails
474.	Volume I/ 2.24. Disqualification	17	If any of the Lead Bidder is also partner in any other bid, then all the affected bids shall be disqualified		No change. RFQ cum RFP Prevails
475.	Volume I/ 2.29. Inclusion of MSMEs in Project Delivery:	21	Bidders are encouraged to include Micro, Small and	MSME as a part of consortium, may not be able to fulfill/qualify all required Pre-Qualification	Refer Corrigendum Sr No 1.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>Medium Enterprises (MSMEs) in the delivery of the project and products and services that support the Make-in-India initiative of the GOI.</p> <p>One MSME with relevant skills is mandatory as part of the consortium.</p> <p>Activities that can be sub-contracted to MSME/MSE partners are restricted to those defined under Sub-Contracting Clause 0 above.</p>	<p>criteria specified for "Consortium Partner other than Lead bidder". MSME may not be financially fit to provide all necessary obligations of a consortium to execute the project successfully.</p> <p>We really appreciate your initiative to support "Make-in-India", but making this clause mandatory ("<i>One MSME with relevant skills is mandatory as part of the consortium</i>") does not server server this purpose as products/solutions will be coming from OEM.</p> <p>So, we kindly request you relax this clause.</p>	
476.	Volume I/ 2.30. Eligible Goods and Services and OEM Criteria:	21	<p>The Bidder shall quote only one specific make and model from only one specific OEM, for each of the goods. Providing more than one option shall not be allowed.</p>	<p>Understanding here is "One make and model from one OEM is allowed to Quote for a specific Solution. E.g. for Network Switch, bidder should quote only one model from the specific/one OEM.</p>	<p>RFQ cum RFP is clear.</p> <p>More than one option is not allowed.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.</p> <p>Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.</p>	<p>We also presume that this clause allowing to Quote another make and model for the same solution from another OEM.</p> <p>Please clarify</p>	
477.	Volume I/ 2.30. Eligible Goods and Services and OEM Criteria:	21	k. OCC /CCC software OEM should have 24x7x365 Technical Assistance Support Center (TASC) in India. TASC should provide online website and phone number to register service request that can be raised by partner and customer.	<p>Point K is insisting that OCC/CCC OEM Should have 24x7X365 TASC in India and point "n" is saying OEM can also submit the undertaking that they will establish if they don't have any. So later part of point "n" is also applicable for OCC/CCC vendor?</p> <p>Please clarify.</p>	<p>RFQ cum RFP Prevails</p> <p>Yes, Understanding is correct.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			n. Each of the proposed OEMs should either have existing capability and infrastructure to provide 24x7x365 technical support in India, or should provide an undertaking that they would establish the requisite infrastructure and capability to provide 24x7x365 technical support, on emerging a winner in this bidding process.		
478.	Volume I: Instructions to Bidders 3.5. Pre-Qualification Criteria	28	PQ-2 "The sole bidder or the lead bidder of the consortium should have an average annual turnover of minimum INR 150 Cr with minimum average turnover of INR 75 Cr from at least one of the	Please include "IT/IES" under one of more "specific business area" * ICT Infrastructure * Telecom Infrastructure * IT System Integration Services * <u>IT/ITES</u> <u>Supporting document :-</u> Please include CA as they are	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>""specific business area"" mentioned below over the last three financial years and</p> <p>"</p> <p>in case of a Consortium, the average annual turnover for each of the consortium member other than the lead member over the last three financial years should be INR 5 Cr or more from one or more "specific business area" mentioned below</p> <p>Specific Business Areas :-</p> <ul style="list-style-type: none"> * ICT Infrastructure * Telecom Infrastructure * IT System Integration Services <p>-----</p> <p>-----</p>	<p>also authorized to issue such certificate as per the practices and guidelines of Institute of Chartered Accountants of India"</p> <p>"Certificate from CA/Statutory auditor's on turnover details from the "specific business areas" over the last three financial years"</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>Audited financial statements for last three Financial Years.</p> <p>Certificate from Statutory auditor's on turnover details from the "specific business areas" over the last three financial years</p>		
479.	Volume I/ Instructions to Bidders /3.5. Pre-Qualification Criteria	30	<p>PQ-6</p> <p>Sole Bidder or any consortium member should have experience of implementing in the following sectors having a minimum value of INR 5 Cr per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre/ Control and Command Centre 	<p><u>Suggestion:-</u></p> <p>Sole Bidder or any consortium member should have experience of implementing in either of the following sectors having a minimum value of INR 5 Cr per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre/ Control and Command Centre <p><u>Supporting Document:-</u> Copies of work order, work completion/phase completion</p>	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>----- ----- -----</p> <p>Copies of work order, work completion certificate by the client entity (on client entity letter head) and other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of the Contract</p>	<p>(in case project is under execution) certificate by the client entity/<u>CA</u> and other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of the Contract</p>	
480.	Volume I/ Instructions to Bidders/ 3.7. Technical Bid Criteria & Evaluation	32	<p>Clause A2</p> <p>Competence based on similar nature of project completed</p> <p>Bidder (any consortium member) should have experience in executing a project of similar scope</p>	<p>This clause is very generic. It should be more specific, such as,</p> <p>Bidder (any consortium member) should have experience in executing a project that entails IP - CCTV Installation for surveillance.</p> <p>No Of CCTV Cameras will be evaluated,</p> <p>> 1500 CCTV Camera = 100% Marks</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>= 1000 CCTV Camera = 75% Marks =500 CCTV Camera = 50% Marks</p> <p>The above is also in line with PQ # 6 where <u>CCTV Surveillance experience asked.</u></p>	
481.	Volume I/ Instructions to Bidders/ 3.9. Key Personnel Criteria	37	<p>Project Director</p> <p>§ Education: Full Time MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute</p> <p>§ Total Experience: At least 15 years in IT sector.</p> <p>§ Should have more than 8 years of experience of handling such large projects</p>	<p>Suggestion:-</p> <p>§ Education: <u>MBA/MCA/M.Tech/MSc (IT)/B.Tech/B.E./BSc(IT)/PMP/Prince 2</u> from a reputed institute</p>	RFQ cum RFP Prevails
482.	Volume I/ Instructions to Bidders/ 3.9. Key Personnel Criteria	37	<p>Project Manager</p> <p>§ Education: Full Time MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute</p>	<p>Suggestion:-</p> <p>§ Education: <u>MBA/MCA/M.Tech/MSc (IT)/B.Tech/B.E./BSc(IT)/PMP/Prince 2</u> from a reputed institute</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>§ Total Experience: At least 12 years in IT sector.</p> <p>§ Should have more than 8 years of experience of handling such large projects</p>		
483.	Volume II/ 3.1 PTZ Specifications	228	PTZ008 Pan-360° endless, 350°/s	<p>The proposed PTZ is with in-built IR. Thus, the PTZ camera with IR is not recommended to have such high Pan speed. This might create shadow image when performing Pan operation as such speed. Thus, recommended Pan speed for the IR PTZ should be -Pan speed upto 240°/s</p> <p>Thus, requesting to amend the clause to: <u>Pan-360° endless, 240°/s</u></p>	RFQ cum RFP Prevails
484.	Volume II/ 3.1 PTZ Specifications	228	PTZ009 Tilt Range-Manual/programmable ; speed: 350°/sec;	<p>The proposed PTZ is with in-built IR. Thus, the PTZ camera with IR is not recommended to have such high Tilt speed. This might create shadow image when performing Tilt operation as such speed. Thus,</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				recommended Tilt speed for the IR PTZ should be -Tilt speed up to 200°/s Thus, requesting to amend the clause to: <u>Tilt Range- Manual/programmable; speed: 200°/sec;</u>	
485.	Volume II/ 3.1 PTZ Specifications	228	PTZ013 Video Compression and streams-Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce more than 50% bandwidth and storage consumption, keeping the same image level performance as H.264 Thus, reducing the load over network and storage complexity. Thus will be more economical solution. Thus, kindly make it mandatory for the quoting H.265 compatible for the CCTV Camera. Thus requesting you to amend the clause to <u>Video</u>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<u>Compression and streams-Triple Stream of H.265 Main profile & 1 Stream of Motion JPEG</u>	
486.	Volume II/ 3.1 PTZ Specifications	228	PTZ015 Power Supply-Power over Ethernet IEEE 802.3af	802.3af, which is the 'standard' PoE used by 90%+ of all IP cameras, supports up to 15.4W and 802.3at, which is 'high' PoE used only by a small fraction of IP cameras mostly by PTZ cameras that supports up to 30W, PTZ cameras normally operates on High PoE ie.802.3at, which is used standard in the industry, thus, requesting to amend the clause to: <u>Power Supply-Power over Ethernet IEEE 802.3at / High PoE</u>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
487.	Volume II/ 3.1 PTZ Specifications	229	PTZ023 Wide Dynamic Range-Minimum 100db	Due to outdoor environment, the camera must have WDR-120dB feature to avoid dark image of the object which is obtained under the influence of strong light source in the background. Thus, avoid such darkness over the area of	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				interest under the sunlight. Kindly amend that <u>Wide Dynamic Range-Minimum 120db</u>	requirements are met as minimum.
488.	Volume II/ 3.2 Box Camera Specifications	230	FIXBOX 5 IRIS-Auto P-IRIS	DC-Iris is majorly used by the majority of the OEMs. Thus, requesting to kindly amend <u>IRIS-Auto P-IRIS/ Auto DC-Iris.</u>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
489.	Volume II/ 3.2 Box Camera Specifications	230	FIXBOX 6 Video Compression and streams-Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce more than 50% bandwidth and storage consumption, keeping the same image level performance as	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				H.264 Thus, reducing the load over network and storage complexity. Thus will be more economical solution. Thus, kindly make it mandatory for the quoting H.265 compatible for the CCTV Camera. Thus requesting you to amend the clause to <u>Video Compression and streams- Triple Stream of H.265 Main profile & 1 Stream of Motion JPEG</u>	met as minimum.
490.	Volume II/ 3.2 Box Camera Specifications	230	FIXBOX 15 Wide Dynamic Range- Minimum 100db	Due to outdoor environment, the camera must have WDR-120dB feature to avoid dark image of the object which is obtained under the influence of strong light source in the background. Thus, avoid such darkness over the area of interest under the sunlight. Kindly amend that <u>Wide Dynamic Range-Minimum 120db</u>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
491.	Volume II/ 3.2 Box Camera Specifications	231	FIXBOX 20 Auto adjustment + Remote Control of Image settings-Auto Tracking	<p>Auto tracking function, allows cameras to track suspicious person/object loitering in vacant area.</p> <p>Auto-tracking feature is applicable for PTZ as it enables the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault, not for fix box cameras.</p> <p>Thus, requesting you to remove <u>Auto tracking feature from the box camera specifications.</u></p>	RFQ cum RFP Prevails
492.	Volume II/ 3.4 Dome Camera Specifications	233	DM01 Video Compression H.264	<p>H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce more than 50% bandwidth and storage consumption, keeping the same image level performance as H.264 Thus, reducing the load over network and storage</p>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				complexity. Thus will be more economical solution. Thus, kindly make it mandatory for the quoting H.265 compatible for the CCTV Camera. Thus requesting you to amend the clause to <u>Video Compression H.265</u>	
493.	Volume II/ 3.4 Dome Camera Specifications	233	DM03 Frame rate -2 MP: 25 FPS, 3 MP @ 20FPS & 5 MP @ 1212 fps	Please help to clarify the frame rate required at resolution 5MP, as 1212fps is not standard.	RFQ cum RFP is clear
494.	Volume II/ 3.4 Dome Camera Specifications	233	DM05 Lens -P- IRIS	DC-Iris is majorly used by the majority of the OEMs. Thus, requesting to kindly amend <u>Lens -P- IRIS/ Auto DC-Iris.</u>	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
495.	Volume II/ 3.4 Dome Camera Specifications	233	DM09 Auto adjustment + Remote Control of Image settings-Auto adjustment + Remote Control of Image settings	Auto Back Focus is the distance between the rear lens element and the image sensor (CCD/CMOS). Back focus is only applicable to cameras (i.e. network box camera) with detachable lenses, Dome cameras don't support back focus adjustment. Thus, requesting you to <u>remove Auto Back Focus clause from Fixed Dome camera.</u>	RFQ cum RFP Prevails
496.	Volume II/ 3.4 Dome Camera Specifications	233	DM022 Memory-512 MB RAM, 128 MB Flash	Each OEM has its proprietary CPU, RAM and its chip used in the camera, thus, cannot be defined. Thus, <u>requesting you to remove this clause.</u>	RFQ cum RFP Prevails
497.	Volume II/ Bill of Quantity 6.6. ICT enabled Waste Management Software	138	5.Fix Camera, 4 no's	In the Bill of Quantity under 6.6 ICT enabled Waste Management Software section the camera mentioned here in Fix Camera Network, but under the technical specification Surveillance camera, please help to clarify what kind of camera required.	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
498.	Volume II/xxiii. 1.2. Other Requirements	21	MSI shall directly interact with electricity boards for provision of mains power supply at all desired locations for any Field Infrastructure solution. ASCDCL shall facilitate, if any documentation is required from its side. MSI shall be responsible for provisioning of requisite electricity power and its recurring charges (during operational phase).	Although, Bidder need to quote for Electricity charges at prevailing rate. However, consider the long term project, we request you to add the following clause: "ASCDCL will reimburse recurring charges (during operational phase) and Cost of new Electrical connection at actual."	Refer Corrigendum Sr. No 6.
499.	Volume II/ 2.1 B. Scope of Work	27	2.1 COMPONENT 1: Network Backbone, B1 MSI should tie up with an Internet Service Provider (ISP) or Telecom Service Provider (TSP) to provide connectivity from Field Device Infrastructure to CCC/OCCC/Server	We understand that Bidder's scope of work of 50 Km of underground Fiber laying (Supply and Services) is in addition to extending last mile connectivity from ISP POP Node. Also, please share technical specifications for Passive items e.g. Fiber cable specification, HDPE Pipe, Joint closures etc.	As per Bidder solution. However, minimum TRAI guideline should be met.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			room/ Disaster Recovery Centre / and ASCDCL Offices as required. In case, network connectivity of ISP or TSP does not extend till decided field device infrastructure, all installation cost pertaining to network infrastructure till respective field devices shall be borne by MSI. The bidder shall also include cost for 50 km of OFC in the quoted price.		
500.	Volume II/Server Room Firewall	169	The Firewall appliance should be a purpose-built appliance based solution with integrated functions like Firewall, VPN and User awareness. The product licensing should be device based and not user/IP based (should support	For critical data center setup such as Smart City, server room firewall (internal / core) firewall is very critical components from security perspective as it is going to protect server infrastructure like database etc. Such critical component should deliver ideally close to 100% .security effectiveness. So we are requesting to ask for	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			unlimited users except for VPN). The hardware platform & Firewall with integrated SSL/IPSec VPN application has to be from the same OEM. The quoted NGFW OEM must have NSS Lab's Recommended rating as per latest NSS Labs NGFW Methodology testing with a minimum exploit blocking rate of 95%.	minimum 99% security effectiveness. Also we are recommending to mention NSS labs test report year. NSS has published 2018 report so pls ask for the same.	met as minimum.
501.	Volume II/Server Room Firewall	169	Throughput capacity of next generation Firewall (AVS+NGIPS) should not be less than 20 GBPS. Max 25 Million sessions per second 150K. Solution should be based on multi core processors and not on proprietary hardware platforms like ASICs, Should have	What is the reason for asking non-ASIC architecture firewall? ASIC processors are known for delivering higher throughput and low latency than multicore processors which is very critical for data center setup. Because of ASIC's better performance all higher-end routers and other networking devices are based on ASIC. So we are requesting to remove the same. 16 GB RAM is	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			minimum 16 GB memory with option of upgradable up to 32 GB. Hardware should have field upgradable capabilities for upgrading components like network cards, RAM, power supplies, fan etc.	at lower side for server firewall as all traffic will hit this appliance so we are requesting to ask for 32 GB RAM from day one which should be upgradable to 64 GB. All firewall vendors have their own way of designing hardware. We don't have modular platform to add network cards, RAM etc. later on & from day one we are supplying more interfaces, RAM etc. than asked in RFP. So requesting to remove or make it optional.	met as minimum.
502.	Volume II/ Server Room Firewall	169	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces? NGFW appliance should have	Adding fail-over cards in server room firewall is technically not possible as such firewall always gets installed in L3 mode. So requesting to remove fail open cards ask. Also pls accept NGFW appliance with inbuilt or external storage of 900 GB SSD / HDD.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			inbuilt storage of 900 GB SSD / HDD.		
503.	Volume II/Server Room Firewall	169	<p>Firewall Feature: solution should be based on “stateful inspection” technology and must support access control for at least 500 predefined /services/protocols with capability to define custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates.</p>	<p>All firewall vendors don’t include 500 predefined services / protocols by default. But they support more than 1000 services by creating custom entries and you have already asked for custom services creation capabilities. So requesting to remove 500 entries and change statement to - "Firewall Feature: solution should be based on “stateful inspection” technology and must support access control for predefined well known services/protocols with capability to support at least 1000 custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted</p>	<p>As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				and authenticated with PKI Certificates."	
504.	Volume II/ PTZ013 3.1 PTZ Specifications	228	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Can we have a clarity about the resolution expected in each of the triple streams asked for in the tender? For example, we are not sure if the customer will require a 5MP resolution in all the three streams or just one or two streams. Request for clarification.	RFQ cum RFP is clear. All 3 streams shall be capable of 5 MP resolution.
505.	Volume II/ FIXBOX 6 3.2 Box Camera Specifications	230	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Can we have a clarity about the resolution expected in each of the triple streams asked for in the tender? For example, we are not sure if the customer will require a 5MP resolution in all the three streams or just one or two streams. Request for clarification.	RFQ cum RFP is clear. All 3 streams shall be capable of 5 MP resolution.
506.	Volume II/ Annexure 10– Locations	284	Annexure 10– Locations	Please share Latitude and longitude of all locations for feasibility for Bandwidth requirement.	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
507.	Volume II/ 12.6	327	12.6 Control and command center Layout Plan for Control and Command Centre of Police	Please share layout plan for City Operation Command Centre (OCC) for AMC as well.	Info will be shared with Successful bidder
508.	Volume II/I 36. Termination	36	36. Termination	We propose termination right and suspension right to MSI on default of payments by the ASCDCL. In the event of termination by MSI due to default of ASCDCL, MSI shall ASCDCL shall pay MSI for the part of services which have been authorized by ASCDCL and satisfactorily performed by MSI on the date of termination.	RFQ cum RFP Prevails
509.	Volume II/I 10.27.2.	15	As per TRAI guidelines, resale of bandwidth connectivity is not allowed. In such a case, tripartite agreement should be formed between ASCDCL, selected Bidder and Internet Service Provider(s).	Please clarify the following on Tripartite Agreement. 1) Cost of bandwidth recurring charges will be paid be paid directly to ISP through Tripartite Agreement. 2) Bandwidth SLA and Penalty will be in the scope of ISP. 3) Cost of extending Last mile connectivity from nearest ISP	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				node will be paid directly to ISP during CAPEX Period.	
510.	Volume I/Annexure 5 D.4	68	Utility Poles with accessories (along with earthing) for Environmental Sensors, CCTV camera, Wi-Fi, junction box and any other requirement	Please Specify the tentative quantity of various Poles proposed under Volume-II, 12.4 Utility Pole for surveillance, smart traffic and Digital signage. At the bidding stage, it will not be possible for bidder to decide quantity of each type of pole without any detailed survey.	RFQ cum RFP is clear
511.	Volume I/ Annexure 5 D.4	68	Annexure 5- Proposed Bill of Material DC redundant power supply and UPS	Please Clarify the following: 1) DC redundant power supply: Does it means Bidder needs to provides DC Power from two difference sources and what are those sources? 2) Please specify Power Back-up time for UPS. 3) We understand these are Online UPS with SNMP. Please confirm.	RFQ cum RFP is clear
512.	Volume I/Annexure 5	73 & 77	A8 & C24 Air Condition (sufficient to control room temperature of 24 degree)	Please share specification for these Comfort AC e.g. 2 ton Split AC with 5 star rating etc.	As per bidder solution, bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			L4 AC(sufficient to control room temperature of 24 degree)		that all the RFQ cum RFP requirements are met as minimum.
513.	Volume I/ Section 3.5, Pre-qualification Criteria	28	The Sole Bidder or the Lead Bidder of consortium should have an average annual turnover of minimum INR 150.00 Crores with minimum average turnover of INR 75 crores from atleast one of the "specific business areas" mentioned below over the last three financial years and, in case of a Consortium, the average annual turnover for each of the consortium members other than the Sole Bidder or the Lead Bidder over the	Request you to kind allow CA Certificate for turnover details	Certificate from the Statutory Auditor /Chartered Accountant will be accepted but Bidder must comply with audited Balance sheet.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>last three Financial Years should be INR 5.00 crore or more from one or more of the “specific business areas” mentioned below.</p> <p>Specific Business Areas § ICT Infrastructure § Telecom Infrastructure § IT System Integration Services</p>		
514.	Volume I/ Section 3.5, Pre-qualification Criteria	30	<p>Sole Bidder or any of the consortium member should have experience of implementing following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years</p> <ol style="list-style-type: none"> 1. CCTV based Surveillance System 2. City Operation Command Centre / 	Request you to kindly accept Go-live certificate also as a valid proof of document.	<p>Accepted.</p> <p>However, bidder has to provide the client letter head with sign and stamp of client project coordinator/ In-charge.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Control and Command Centre		
515.	Volume I/ Section 3.7, Technical evaluation criteria, A.3	32	Bidders competence executing – Bus Stops / Digital Kiosks / Digital Displays	Request you to kindly allow OEM experience for the same for the bidder meeting this technical evaluation criteria	RFQ cum RFP Prevails
516.	Volume I/ Section 3.7, Technical evaluation criteria, A.5	33	Biometrics attendance system	Request you to kindly allow OEM experience for the same for the bidder meeting this technical evaluation criteria	RFQ cum RFP Prevails
517.	Volume I/ Section 2.8, Earnest Money Deposit	9	EMD Payment	Request EMD to be accepted in the form of Bank Guarantee also	RFQ cum RFP Prevails
518.	Volume I/ Section 2.29, Inclusion of MSME's in project delivery	21	Bidders are encouraged to include Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project and products and services that support the Make-in-India initiative of the GOI. One MSME with relevant skills is mandatory as part of	MSME can be involved as a subcontractor. MSME need not be mandatory to be part of consortium.	Refer Corrigendum Sr. No 1.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			the consortium. Activities that can be sub-contracted to MSME/MSE partners are restricted to those defined under Sub-Contracting Clause 0 above		
519.	Volume II, Annexure 11, Uses Cases	300	Annexure 11 Use Cases Serial No. 3, Column No. 2 CCC Integration and Supported Functionality Video System Functionalities :- System Communication Connect and authenticate Connect/disconnect status detection Sensor State Display Alarm Failure Tamper Outputs/inputs Dry contacts Relay outputs Video Capabilities Live video Playback recorded video Playback	We understand this mentioned functionality of City Surveillance need to be accessible through CCC / IOP GUI. Please confirm. Also uses cases mentioned for system which are coming in Phase 2, whether we need to consider functionality as part of CCC and quote for commercial?	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			recorded audio (depends on sub-system)Export live video Export live audio (depends on subsystem)Export recorded video Export recorded audio (depends on sub-system)Start/stop recording/preset Live video\audio in external monitor (depends on subsystem)Snapshot (depends on subsystem)OSD parameters Virtual tours Virtual tours discovery Layout discovery (depends on sub-system)External monitors discovery Sensors discovery Video favouritesdiscoveryPTZ identification discovery Camera		

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
520.	Vol 2, 2.7. COMPONENT 7: City Wi-Fi	96	Industrial Grade Switch – Type 1	<p>Industrial Grade switches has been mentioned but no technical specifications available. Please clarify as Industrial grade switches will be required to connect Outdoor Access Points and also to connect Cameras. Please consider below specs for Ind grade switch which is commonly used.</p> <ol style="list-style-type: none"> 1. The Switch Should be Industrial grade in nature and should have eight 10/100/1000 Base-T PoE+ ports out of which two ports should be 60W HPoE capable 2. Switch Should have additional four 100/1000 Base-X SFP ports 3. The switch should have maximum switching capacity of 24Gbps. 4. Switch Should support 16K mac addresses and 4000 VLAN 5. Zero touch provisioning for easy deployment 6. Switch should support MACSec and IEEE 1588v2 PTP 	Refer Addendum Sr. No. 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>7. Switch should support surge protection of 6KV on copper ports</p> <p>8. Switch should support minimum POE Budget of 150W watt</p> <p>9. Operating Temperature of switch should be -40°C to 75°C</p> <p>10. The switch should have internal/external (DIN rail mountable) AC power supply and provision for BPS in future.</p> <p>11. Protection Class should be minimum IP 30 and NEMA TS-2</p> <p>12. Switch should support ERPV2, Jumbo frame, Bridge Protocol Data Unit (BPDU) blocking, STP Root Guard, DHCP Option 82, IEEE 802.1ad.</p> <p>13. Switch should support DHCP Snooping, DHCP IP and Address Resolution Protocol (ARP) spoof protection, ARP poisoning detection, IP Source Filtering.</p> <p>14. Switch should support IGMP v1/v2/v3 snooping, MLD v1/v2 and should have should have Digital Diagnostic monitoring</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				15. Switch should be EN 55032 (EMI and EMC Standard) , EN 55024 (Immunity Standard) 16. IPv4 routing • Static routing 17. SFP to be quoted is industrial Grade 18. IPV6 support	
521.	Vol 2, B. Scope of work	37	Enterprise Management System (EMS)	EMS has been mentioned in tender but no detail technical specifications available.	RFQ cum RFP Prevails
522.	General	General	General	We understand that CCC is for CCTV network and will be at Police Building, OCC will be AMC to monitor smart components across city. What will be the distance between both? We assume that both are in different buildings. Is there any connection need to consider between police and city datacenter	Refer Addendum Sr. No. 4
523.	General	General	General	Is there any existing DC and DR ? Or we need to build new DC and DR	NO. Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
524.	General	General	General	Is there any requirement for PBX and contact center as help desk has been required	RFQ cum RFP is clear.
525.	General	General	General	Datacenter will be at Corporaiton premises or at colocation service porviders place.	On premises.
526.	Vol 2, 2.13 Core Switch	167	Please add	The Core Switch should be Modular with aggregate capacity of atleast 5Tbps. Should have atleast 5 payload slots with 30 x 10/100/1000 BaseT RJ45 and 24 SFP+ Ports. The per slot bandwidth should be atleast 240 Gbps. All Interface Module should have local processing. The Port count and performance is missing in the specs. Please add for solution clarity and to avoid forklift upgrade	No Change
527.	Vol 2, 2.13 Core Switch, CSS005	167	Should support 64K MAC table, 4K VLAN and sufficient DRAM to meet smooth operation of switch. Bidders should offer solution to	Please change the clause to "Should support 200K MAC table, 4K VLAN and 4 DRAM to meet smooth operation of switch. The switch should have 100K IPv4, 100k IPv6 and 24K	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			meet the routing requirements of defined applications	multicast routes. Since it's a Core Switch and scale ask is very less. We recommend to increase it envisaging the current requirement and future growth	
528.	Vol 2, 2.22 TOR Switch	184	Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI, GUI based software utility and using web interface	Please change the clause to "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI, GUI based software utility" The ToR/ DC Access switch generally doesn't support access using Web. Please change the clause for leading OEM to participate.	RFQ cum RFP Prevails
529.	Vol2, 2.22 TOR Switch	182-183	§ 24 or 48 (as per density required) 1G/10G Ethernet ports (as per internal connection requirements) and extra 2 numbers of Uplink ports (40GE)	What ports required copper or fiber, please elaborate . Based on this model can be selected	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
530.	Vol2, 2.22 TOR Switch	182-183	Throughput : 500 Mbps or better	What throughput is this ? Entire system throughput or Switching capacity. For given requirement 369 MPPS should be fine. Please elaborate	Please read this clause as "500 Mbps or better".
531.	Vol2, 2.22 TOR Switch	182-183	§ Dual load sharing AC and DC power supplies	Why DC power supply required , we can have either AC or DC redundant powersupply. Please change the clause	As per Bidder's solution. Bidder can provide AC / DC power supplies.
532.	Vol2, 6. Bill of Quantities (BOQ) - 6.1. Command Control Center	133	L2 Switch - 48 port	In BOQ ,48 port switch has been asked but no detailed specifications mentioned . Please suggest if 48 Port 10/100/1000 Switch with 4 x 1/10G Uplink can be considered as base line requirement. Please confirm	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
533.	Vol2, 6. Bill of Quantities (BOQ) - 6.2 Server room	134	L2 Switch - 48 port	In BOQ , 48 port switch has been asked but no detailed specifications mentioned . Please suggest if 48 Port 10/100/1000 Switch with 4 x 1/10G Uplink can be considered as base line requirement. Please confirm	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
534.	Vol 2, Bill of Quantities (BOQ) : 6.7. WIFI	137	Authentication server	Authentication server has been asked but no detail specification. This AAA need only for infra devices authentication or for public who will access WIFI	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum. For Public

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
535.	Vol 2, Bill of Quantities (BOQ) : 6.7. WIFI	137	Application	What application required here? Please elaborate	Wi-Fi Management System has been asked as per RFQ cum RFP.
536.	Vol 2, Bill of Quantities (BOQ) : 6.7. WIFI	137	Wireless Controller	Only 1 WLC has been asked where as tender says about complete redundancy. To achieve this 2 WLC should be considered	As per Bidder design. However, all RFQ cum RFP requirements shall be complied by the Bidder as a minimum.
537.	Vol2, 6.1 WIFI Specification - Access Point	262	The Wi-Fi access point shall independently be configurable to handle security, mesh, RF Management, QoS, roaming, local	Since the AP is going to be managed by controller these features will be configured from the controller. Hence request to relax these clause.	As per bidder solution, bidder to ensure that all the

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			forwarding without the need for a controller so as to increase performance of the WLAN network.		RFQ cum RFP requirements are met as minimum.
538.	Vol2, 6.1 WIFI Specification - WLC	263	The controller shall have hot swappable redundant power supplies to maintain uninterrupted network operations.	request to relax this clause as anyways controller will be deployed in HA mode for redundancy.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
539.	Vol 2, IDPS.001, 2.28 Intrusion Detection & Prevention System, ITEM - Performance	200	Vol 2, IDPS.001, 2.28 Intrusion Detection & Prevention System, ITEM - Performance	Should have an aggregate throughput of no less than 2 Gbps Max TCP Concurrent Connection - 2.5 Million	RFQ cum RFP Prevails
540.	Vol2, IDPS.002, 2.28 Intrusion Detection & Prevention	200	Vol2, IDPS.002, 2.28 Intrusion Detection &	IDPS system should able to protect Multi Segment in the Network, Should be able to protect 4 segment and should	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	System, ITEM - Features		Prevention System, ITEM - Features	support 2 pairs of 1G Copper (4 x 1G) built-in Bypass Module and 2 Pairs of 10G SFP+ (4 x 10G SFP+) Built-in Bypass Module	
541.	Vol 2, IDPS.009, 2.28 Intrusion Detection & Prevention System, ITEM - Features	201	Vol 2, IDPS.009, 2.28 Intrusion Detection & Prevention System, ITEM - Features	IDPS must include/come with for external bypass switch with 1G Copper and 10G SFP+ from day one. or should have built-in Bypass from day one.	RFQ cum RFP Prevails
542.	vol 2, B Scope of work point - g) Provisioning IT Security Equipment (IDPS)	35	vol 2, B Scope of work point - g) Provisioning IT Security Equipment (IDPS)	Are you considering a dedicated IDPS solution or Built-In with Firewall ?	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
543.	Vol 2, IDPS, 2.28 Intrusion Detection & Prevention System, ITEM - Features	201	Vol 2, IDPS, 2.28 Intrusion Detection & Prevention System, ITEM - Features	Provides DoS/DDoS attack mitigations, and supports TCP/UDP/ICMP/ACK Flooding, UDP/ICMP Smurfing, and other common DoS/DDoS attacks	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
544.	Vol 2, ADC, 2.26 Application Delivery Controller	190	Vol 2, ADC, 2.26 Application Delivery Controller	Web Application Firewall should integrate with Web Vulnerability system Scanner for Auto patching/Smart Patching and reduce Operational overhead. Web Vulnerability system scanner should be provided by the same WAF vendor/OEM. And can be install on Virtual platform. Web vulnerability system scanner should provide/identify OWASP TOP 10 vulnerabilities. and provides scanning for at least 5 fqd from day one.	RFQ cum RFP Prevails
545.	Vol 2, Bill of Quantities (BOQ), 6.2. Server room 6.3. Operation Command Center	134, 135	Vol 2, Bill of Quantities (BOQ), 6.2. Server room 6.3. Operation Command Center	ADC should consider in High Availability with QTY 2 for Data Centre & Operation Command Center.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
546.	Vol 2, 2.31 Smart Rack for OCC	206	General	IS this PDU mentioned in RFP"32 amp vertical mounting with IEC type socket with 12 nos of IEC C13" is INTELLIGENT,If yes then at what level. Strip level or socket level monitoring required	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
547.	Vol 2, 2.32 Smart Rack for CCC	210	General	IS this PDU mentioned in RFP "PDU 32 amp vertical mounting with IEC type socket with 12 nos of IEC C13 Sockets & 4 nos IEC C19 Socket with 2.5 mtr power chord with 32A MCB. Each rack shall have minimum two such PDU's" is INTELLIGENT,If yes then at what level. Strip level or socket level monitoring required	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
548.	Vol 2, 4.3 Smart Rack for AMC	241	General	IS this PDU mentioned in RFP " PDU 32 amp vertical mounting with IEC type socket with 12 nos of IEC C13 Sockets & 4 nos IEC C19 Socket with 2.5 mtr power chord with 32A MCB. Each rack shall have minimum two such PDU's." is INTELLIGENT,if yes then at what level. Strip level or socket level monitoring required	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
549.	2.7 Online UPS/ONUPS.09	155	Inverter efficiency >90%	For Lower rating UPS the efficiency is very less as losses are very high, hence technically it is not possible to give 90% efficiency. Please make the the inverter efficiency requirement to approximately 84% for UPS below 6KVA	RFQ cum RFP Prevails.
550.	2.7 Online UPS/ONUPS.017	156	Operating Temp 0 to 50 degrees centigrade	Electrical circuits are designed to operate at 0-40 Deg C as per industry standard hence request you to change the requirement to 0-40 Deg C.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
551.	2.25 SIEM for Logs & Packets System/ SIEM.009	188	A single log appliance should support minimum 30,000 EPS and packet appliance should support up to 1GBPS line rate with multiple ingress interfaces for capturing from multiple network interfaces	Please share port details for Packet Appliance. Ex: 2 X 1Gb & 2 X 10 Gb	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
552.	MSI_Vol_II_241020 18 - Server Room Firewall	169	Throughput capacity of next generation Firewall (AVS+NGIPS) should not be less than 20 GBPS. Max 25 Million sessions per second 150K. Solution should be based on multi core processors and not on proprietary hardware platforms like ASICs, Should have minimum 16 GB memory with option of upgradable up to 32 GB. Hardware should have	What is the reason for asking non-ASIC architecture firewall? ASIC processors are known for delivering higher throughput and low latency than multicore processors which is very critical for data center setup. Because of ASIC's better performance all higher-end routers and other networking devices are based on ASIC. So we are requesting to remove the same. 16 GB RAM is at lower side for server firewall as all traffic will hit this appliance so we are requesting to ask for 32 GB RAM from day one which	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			field upgradable capabilities for upgrading components like network cards, RAM, power supplies, fan etc.	should be upgradable to 64 GB. All firewall vendors have their own way of designing hardware. We don't have modular platform to add network cards, RAM etc. later on & from day one we are supplying more interfaces, RAM etc. than asked in RFP. So requesting to remove or make it optional.	
553.	MSI_Vol_II_241020 18 - Server Room Firewall	169	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of 900 GB SSD / HDD.	Adding fail-over cards in server room firewal is technically not possible as such firewall always gets installed in L3 mode. So requesting to remove fail open cards ask. Also pls accept NGFW appliance with inbuilt or external storage of 900 GB SSD / HDD.	RFQ cum RFP Prevails
554.	MSI_Vol_II_241020 18 - Server Room Firewall	169	Firewall Feature: solution should be based on "stateful	All firewall vendors don't include 500 predefined services / protocols by default. But they	As per bidder solution,

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			inspection” technology and must support access control for at least 500 predefined /services/protocols with capability to define custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates.	support more than 1000 services by creating custom entries and you have already asked for custom services creation capabilities. So requesting to remove 500 entries and change statement to - "Firewall Feature: solution should be based on “stateful inspection” technology and must support access control for predefined well known services/protocols with capability to support at least 1000 custom services. Must allow security rules to be enforced within time intervals to be configured with an expiry date/time. The communication between the management servers and the security gateways must be encrypted and authenticated with PKI Certificates."	bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
555.	2.28 IDS & IPS, IDPS.001	page no 200	Should have an aggregate throughput of no less than 200 mbps Total	"Should have an aggregate throughput of no less than 2 Gbps & Max TCP Concurrent Connection - 2.5 Million." 200 Mbps is really a very low	As per bidder solution, bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Simultaneous Sessions – 500,000 or higher.	throughput as IPS has to support for 4 segments as per RFP. So request you to modify this point.	that all the RFQ cum RFP requirements are met as minimum.
556.	2.28 IDS & IPS, IDPS.002	page no 200	IDPS system should be able to protect Multi Segment in the network, should be able to protect 4 segments.	"IDPS system should be able to protect Multi Segment in the Network, Should be able to protect 4 segment and should support 2 pairs of 1G Copper (4 x 1G) built-in Bypass Module and 1 Pairs of 10G SFP+ (2 x 10G SFP+) Built-in Bypass Module".. RFP mention about to protect 4 segment but not mention the interface type, as per the design and match with other components in network it should be support 1G and 10G bypass interfaces. so request you to add/modify this point.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
557.	2.28 IDS & IPS, IDPS.009	page no 201	IDPS should have provision for external bypass Switch	"IDPS must include/come with external bypass switch with 1G Copper and 10G SFP+ from day one. or should have built-in	As per bidder solution, bidder to

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Bypass from day one." External bypass switch will add an additional latency in network and degrade overall application performance, so request you to consider built-in bypass switch.	ensure that all the RFQ cum RFP requirements are met as minimum.
558.	2.26 ADC, ADC.034, New Point	page 194	WAF Should be ICSA and VERACODE VL4 Certified	Provides Continuous independent third-party security testing performed by ICSA Labs - a high standard of security product quality., Veracode delivers an application security service that is end to end, built for scale, and works to systematically reduce application security risks. But CA Veracode recognizes that customers need assurance that its services are delivered securely and assurance that customer binaries, bytecode and analysis results remain confidential.	No Change
559.	2.26 ADC, ADC.035, New Point	page 194	System should have and integrate with IP	to mitigate 0 day attacks it is mandate to have IP reputation	Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			reputation feed provided by WAF OEM own threat intelligence and not third party threat intelligence	feed from same OEM through threat intelligence, so request to add this point in RFP	
560.	Anti-DDoS.001	New Point	The Solution must be a purpose-built appliance based solution with fully hardened and secured Operating System (OS).	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
561.	Anti-DDoS.002	New Point	The solution should be deployed either Out-Of-Path (preferred), or inline (with bypass). Must not impede valid network traffic	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
562.	Anti-DDoS.003	New Point	The solution should support scalable performance through license, and allow the user to upgrade the mitigation capacity without changing the physical hardware	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
563.	Anti-DDoS.004	New Point	The solution should consists of separate Detector, separate Mitigator and dedicated Management device from day one to support Out-Of-Path deployment. And proof of the same to be available on public datasheet.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
564.	Anti-DDoS.005	New Point	The DDOS mitigation devices can work independently when there is any problem	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			happened in the DDOS detector.	Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
565.	Anti-DDoS.006	New Point	The solution Detector systems should support netflow v5, netflow v9, sflow v4, sflow v5, netstream v5, netstream v9, ipfix.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
566.	Anti-DDoS.007	New Point	OEM Should have their own proactive Threat and research team	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
567.	Anti-DDoS.008	New Point	The DDoS mitigation device shall support upto 8 X 10 GE SFP+, or 32 X 1G (Copper or Fiber) ports and 1 X 1GE management port	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
568.	Anti-DDoS.009	New Point	The Anti DDoS solution should support copper and Fiber built-in fail-open/fail-close bypass function from day one.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
569.	Anti-DDoS.010	New Point	The solutiton should have at least 4 Gbps of throughput and scalable to 12 Gbps on same device with an additional license	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			upgrade for future requirement.	RFP in country, they have included Anti-DDoS solution in smart city RFP.	
570.	Anti-DDoS.011	New Point	The solution should support service availability through functions of service monitoring and protection from DDoS traffic	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
571.	Anti-DDoS.012	New Point	The solution should be stable and not be affect service availability even upon any system fault	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
572.	Anti-DDoS.013	New Point	The solution should provide in-line mode and Diversion(offramping)/	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Reinjection(onramping) mode for detecting and protecting DDoS traffic.	Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
573.	Anti-DDoS.014	New Point	The solution should detect any DDoS traffic and mitigate any DDoS attack without interrupt legitimate traffic and customer services.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
574.	Anti-DDoS.015	New Point	The solution should provide threat intelligence protection to filter blacklisted IP, malware hashes,malicious web URL Command and control. Whereas Threat Intelligence service from the same Anti-DDoS solution	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			provider and not from third party solution. and Threat intelligence service should provide their own threat intel portal.		
575.	Anti-DDoS.016	New Point	The solution should provide user defined signatures	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
576.	Anti-DDoS.017	New Point	The solution should support detection and protection of DDoS traffic as below: <ul style="list-style-type: none"> Multi-protocol support and advanced inspection including TCP/UDP/ICMP/ HTTP/HTTPS/DNS/SIP floods, Amplification attacks 	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			(NTP/SSDP/SNMP/DNS / CHARGEN/Memcached /NetBIOS), fragments floods, connection exhaustion, header manipulation and more		
577.	Anti-DDoS.018	New Point	The Solution should support below DDoS mitigation algorithms for TCP, ICMP and UDP attacks and others, : TCP SYN Source IP Rate Limit <ul style="list-style-type: none"> • TCP SYN Source Bandwidth Limit • TCP SYN Time Sequence Check • TCP Fragment Control • ICMP Fragment Control • ICMP Traffic Control • TCP Regular Expression Filtering • UDP Regular 	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Expression Filtering, UDP Payload Check <ul style="list-style-type: none"> • UDP Fragment Control • UDP Packet Length Check • UDP Traffic Control • TCP Watermark Check • UDP Watermark Check • TCP Pattern Matching • UDP Pattern Matching • Protocol ID Check • Anti-spoofing RFC Checks <ul style="list-style-type: none"> • Black Filter Lists • NTI Black Filter Lists • White Filter Lists • GEOIP Filter Lists • Access Control Lists Filtering Reflection Amplification Rules <ul style="list-style-type: none"> • Port Check • Connection 		

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Exhaustion • URL-ACK Filter Lists		
578.	Anti-DDoS.019	New Point	The solution should support below DDoS mitigation algorithms for DNS, DNS Keyword Checking • DNS Rate-Limiting • DNS TCP-BIT Check • DNS CNAME Check • DNS Retransmission	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
579.	Anti-DDoS.020	New Point	The solution should support below DDoS mitigation algorithms for HTTPS/HTTP, HTTP Keyword Checking • HTTP Authentication • HTTP Dynamic Script • HTTP FCS Check • HTTP Pattern Matching Check • HTTP Slow Attack Check • IP Behavior Analysis • Trusted Source IP Control	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<ul style="list-style-type: none"> • Empty Connection Check • HTTPS SSL Connection Control • HTTPS Authentication • SIP Authentication 		
580.	Anti-DDoS.021	New Point	The solution should be able to monitor up to 4096 protection group and customize policy for each protection group.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
581.	Anti-DDoS.022	New Point	The solution should support protection policy for L3 protocol (IP), L4 protocol (TCP, UDP, ICMP) and should support a function of exclusion for specific network.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
582.	Anti-DDoS.023	New Point	The solution should support a function 'protection of Payload pattern' after analysis of Payload of Web, DNS, HTTP, etc.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
583.	Anti-DDoS.024	New Point	The solution should support keyword checking to check DNS query keyword such as DNS transaction ID, DNS flags, DNS query name, DNS query type and DNS query class.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
584.	Anti-DDoS.025	New Point	The solution should support a DDoS protection function for VoIP(SIP) protocol	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				RFP in country, they have included Anti-DDoS solution in smart city RFP.	
585.	Anti-DDoS.026	New Point	The solution should support to protection as a group for several IP addresses	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
586.	Anti-DDoS.027	New Point	The system should support IPv4 and IPv6 dual-stack without deteriorating performance, and should be a ipv6ready.org phase2 certification	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
587.	Anti-DDoS.028	New Point	The solution shall be able to support VLAN traffic reinjection.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
588.	Anti-DDoS.029	New Point	The solution shall be able to support MPLS Label traffic reinjection.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
589.	Anti-DDoS.030	New Point	The solution should support upstream cloud signalling mechanism to effectively handle volumetric and application based attacks which volumetric in case of multi vector DDoS attacks, whereas cloud	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			scrubbing service should be from same OEM, and organisation can procure this service any time for future requirement		
590.	Anti-DDoS.031	New Point	The proposed DDoS mitigation device shall be able to support high-availability with Active/Active and Active/Passive deployments.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
591.	Anti-DDoS.032	New Point	Device (Anti-DDOS) failure detection	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
592.	Anti-DDoS.033	New Point	Traffic Reinjection Dead Link, gateway and interface detection.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
593.	Anti-DDoS.034	New Point	The Solution should support various methods of injecting traffic back to the original destination, These method should be capable of injecting traffic in layer-2 , layer-3 enviornment.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
594.	Anti-DDoS.035	New Point	The solution shall have built-in high availability (HA) features in the following mode: Active-Passive, Active-Active	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				RFP in country, they have included Anti-DDoS solution in smart city RFP.	
595.	Anti-DDoS.036	New Point	The solution shall be able to immediately support both IPv4 and IPv6, and implements dual stack architecture.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
596.	Anti-DDoS.037	New Point	The solution shall be able to sync with NTP server.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
597.	Anti-DDoS.038	New Point	The mitigation solution should support out-of-path deployment which is enabled by dynamic	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			routing protocol such as BGP, OSPF, ISIS	Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
598.	Anti-DDoS.039	New Point	The Solution shall support policy based routing (PBR) features, RIP and static Routing.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
599.	Anti-DDoS.040	New Point	The solution should be able to extend the Anti-DDoS performance and capacity automatically without additionally manual traffic distribution when new modules are added. The solution should be able to load share the	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			traffic when new modules are added.		
600.	Anti-DDoS.041	New Point	Should able to import SSL certificate for HTTPS application-layer protection policy on same device from day one, SSL certificate offload capability within the same mitigation appliance and not other device.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
601.	Anti-DDoS.042	New Point	For Layer 7 DDoS attacks, the mitigation solution should support keyword checking to check HTTP keywords such as method, cookie, host, referrer, URL, version, user-agent and x-forwarded-for from day one	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
602.	Anti-DDoS.043	New Point	The solution must able to support real-time configuration changes	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			without impact to service.	Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
603.	Anti-DDoS.044	New Point	The solution must be able to integrate with existing management system via SNMP version 3 and SNMP version 2	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
604.	Anti-DDoS.045	New Point	The solution must provide the latest Management Information Base (MIB) file for SNMP operation.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
605.	Anti-DDoS.046	New Point	The solution log shall contain the following information: Attack logging User Login logging Operation Activity logging Link Status logging Diversion logging System Performance logging HA logging Traffic Alerts logging DDoS Attack logging Syslog	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
606.	Anti-DDoS.047	New Point	The solution shall provide the flexibility of performing configuration via GUI and command base remotely.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
607.	Anti-DDoS.048	New Point	The solution shall be able to export syslog to existing syslog server and SIEM system.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
608.	Anti-DDoS.049	New Point	The solution shall be able to support the following authentication schemes but not limited to: Local Password RADIUS and TACACS +	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
609.	Anti-DDoS.050	New Point	The solution should support Layer 7 DDoS detection and mitigation. The mitigation devices should support multiple algorithms for	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			http/https attack protection.	RFP in country, they have included Anti-DDoS solution in smart city RFP.	
610.	Anti-DDoS.051	New Point	The solution should support the extension based on growth of the network and at least support expansion of mitigation devices up to 25 devices.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
611.	Anti-DDoS.052	New Point	The Solution should support Layer 7 DDoS detection and mitigation using captcha challenge, JavaScript authentication, URL autehntication, cookie authentication, E-TAG Authentication from day one.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
612.	Anti-DDoS.053	New Point	The solution should support the behaviour based and algorithm based DDOS mitigation.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
613.	Anti-DDoS.054	New Point	The solution must provide multi-level AntiDDoS mitigation infrastructure. The system must support integration of upstream and downstream AntiDDoS device to mitigate DDos Attack effectively.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
614.	Anti-DDoS.055	New Point	The appliance should provide auto packet capture function during DDos mitigation.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				RFP in country, they have included Anti-DDoS solution in smart city RFP.	
615.	Anti-DDoS.056	New Point	The solution should provide the traffic AUTO learning function for the DDOS traffic monitoring. The auto learning threshold baseline is captured every hour.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
616.	Anti-DDoS.057	New Point	The traffic Auto learning threshold can be apply automatically after auto learning completed.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
617.	Anti-DDoS.058	New Point	The solution should provide the multi-level DDOS mitigation policy and different mitigation	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			action based on DDOS traffic type.	Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
618.	Anti-DDoS.059	New Point	The solution should provide the function to monitor the outbound DDOS attack and co-operate with the mitigation platform to block the outbound DDOS attack.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
619.	Anti-DDoS.060	New Point	The solution must be able to support netflow v5, netflow v9, sflow v4, sflow v5, netstream v5, netstream v9, ipfix.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
620.	Anti-DDoS.061	New Point	The solution should support SNMP v1, v2c and v3 to gather interface traffic information. This information should be displayed on the GUI so that it could be easily compared with the traffic information from Xflow	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
621.	Anti-DDoS.062	New Point	The solution must support double diversion feature that can advertise two BGP diversion prefix under single attack to different devices for mitigation.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
622.	Anti-DDoS.063	New Point	The solution must support multiple BGP community tagging for different diversion configuration.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
623.	Anti-DDoS.064	New Point	The solution must support BGP traffic diversion based on attack size in terms of pps/bps.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
624.	Anti-DDoS.065	New Point	The solution must support auto null route based on attack size in terms of pps/bps.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
625.	Anti-DDoS.066	New Point	The Solution should be a Veracode certified.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
626.	Anti-DDoS.067	New Point	The solution should be a IPv6ready logo phase 2 certified	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
627.	Anti-DDoS.068	New Point	The solution shall support the provisioning of the reports - Attack reports -top sources, targets, attack type etc.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				RFP in country, they have included Anti-DDoS solution in smart city RFP.	
628.	Anti-DDoS.069	New Point	The solution shall support the provisioning of the reports -System reports -security events triggered, User reports - user access activity	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
629.	Anti-DDoS.070	New Point	The solution shall support report format customization. The solution must be able to generate summary attack report of daily/weekly/monthly.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with referrence to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
630.	Anti-DDoS.071	New Point	The solution must be able to send schedule summary attack report	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			of daily/weekly/monthly.	Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	
631.	Anti-DDoS.072	New Point	The solution should send the scheduled report based on the customized data, format, and attack reports.	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails
632.	Anti-DDoS.073	New Point	Solution reporting format should support XML, PDF, HTML and Microsoft Word	Entier RFP dosent talk about Anti-DDoS Solution which must for protecting overall Network Infrastructure from multivector Attacks. So request you to add Anti-DDoS Specs in RFP.with reference to other smart city RFP in country, they have included Anti-DDoS solution in smart city RFP.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
633.	Vol2, 2.9 Structured Cabling Components &Electrical cabling component	160	ANSI TIA 568 C for all structured cabling components	As Server and other device require Fiber and Copper connectivity, hence request to mentioned Pre-Term Intelligent MPO Fiber Connectivity Solution for Rack to Rack and Cat 6A Intelligent based connectivity for Inter Rack solution.	RFQ cum RFP Prevails
634.	Vol2, 2.9 Structured Cabling Components &Electrical cabling component	160	Certification	OEM Should have ISO 9001, 14001 and OHSAS Certified manufacture facility. OEM should supply the Green Premium Product which help customer to get the Green Building Certificate. OEM should have experience of at least 1 running smart city. Completion certificate will be added advantage.	RFQ cum RFP Prevails
635.	Vol2, 2.9 Structured Cabling Components &Electrical cabling component	160	Certification	Meets EIA/TIA 568-C.2 Category 6A specifications, Cat 6A F/UTP LSZH 4 Connector Channel Performance ETL verification report need to be submit to validate the cable channel performance	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
636.	General	General	General	Kindly share the Rack connectivity details for Data Center	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
637.	Vol2, 2.3 Integrated Building Management System (iBMS)	149	A) Solution for iBMS	Automation Server / Controller should communicated to all 3 communication protocol Modbus, BACnet and LONworks.	RFQ cum RFP Prevails
638.	Vol2, 2.3 Integrated Building Management System (iBMS)	149	2) Capacity Planning	Single Automation Server / Controller must support the minimum 450 nos connected hardware and should have minimum 2 Ethernet port for redundant connectivity in the network.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as minimum.
639.	2.1 Laser Video Wall	144	50'' Cubes (LASER Based projection) or Larger	Request you to consider 70'' screen Size in LED Cubes	RFQ cum RFP Prevails
640.	2.1 Laser Video Wall	144	Brightness Minimum 500 cd/m ²	320 cd/m ² or better	RFQ cum RFP Prevails
641.	2.1 Laser Video Wall	144	Screen Gap 0.2mm	Less than 1mm Gap between 2 screens	RFQ cum RFP Prevails
642.	2.1 Laser Video Wall	144	Light source lifetime	The light source lifetime of the LED shall be > 55,000h Typical usage mode > 80,000h Economy usage mode	RFQ cum RFP Prevails
643.	2.1 Laser Video Wall	144	Control BD Input terminals	Pls remove : Input: 1 x Analog RGBHV	RFQ cum RFP Prevails
644.	2.1 Laser Video Wall		Dimensions : Diagonal: 50 '' or better	Request you to consider 70'' diagonal size	RFQ cum RFP Prevails
645.	2.1 Laser Video Wall	144	Cube control & Monitoring	System should be based on python- django framework with web browser architecture	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
646.	2.1 Video Wall Controller	151	Display controller	Pls mention in BoM that redundant Controller is required for both the video walls	RFQ cum RFP Prevails.
647.	2.1 Video Wall Controller	151	Display controller	Pls specify the no. inputs and outputs	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
648.	2.1 Laser Video Wall	Vol II/Video Display Wall	To Include -Automatic Continuous colour and brightness management mechanism to be provided.	Request to include Automatic Continuous colour and brightness management mechanism to be provided so that same level of colors , contrast & brightness is maintained throughout the life period of equipment	As per Bidder solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					nts are met.
649.	2.1 Laser Video Wall	Vol II/Video Display Wall	To Include - Video wall solution should be from single OEM	The display solution as well as the complete control ware including Display Controller, Central management SW & Web-streaming hardware as well as software should be of same Make/OEM	RFQ cum RFP Prevails.
650.	2.1 Laser Video Wall	Vol II/Video Display	To Include - Remote Viewing	The video wall content will be able to show live on any remote display .Mobile with IE (no apps) as this is very important feature for 24x7 Operations as well as for crisis management and for flexibility to see content as an when required	RFQ cum RFP Prevails.
651.	Volume II: Scope of work Video Management System VMS.013 Forensic Requirement 17. Video Analytics Detection and	Page 67 Page 231 Page 309	PAGE 67: VMS shall be capable of tracing of a specific person / missing child on the basis of attribute like gender, type and colour of clothes including its current full body image in multi-camera videos: Track a specific person	Kindly remove "Attribute-based search, Gester recognition" as this is a proprietary feature and this will only allow one proprietary OEM to take part in the bid. Also as these alarms can give large number of false alarms on its inaccurate working.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	classification (Phase-2)		<p>across several surveillances (e.g., to trace and identify criminals and/or anti-social elements) on the map such functionality should be available for 50% of fixed cameras.</p> <p>PAGE 231: VMS shall Attribute base search on at least 30% of cameras to search the person on the basis of attribute like gender, type and colour of clothes and image of person from the CCTV feeds and should able to run on multiple cameras to track the person</p> <p>PAGE 309: Online Video Analytics event and alert display on the GIS platform, Alert should pop up on</p>		

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			the screen with relevant video stream : Gesture recognition: Identification through gesture change		
652.	Volume II: Scope of work Video Management System VMS GUI Capabilities:	Page 69	§ GUI shall conform to standard Windows conventions.	Kindly Consider: § GUI shall conform to standard Windows conventions. The Software should have Microsoft Gold certification for tight integration with operating system. This reduce the software compatibility issues with server, operating systems and work perfectly in the entire project cycle , even in case of upgrades and patches.	RFQ cum RFP Prevails.
653.	Volume II: Scope of work Video Management System VMS Core Components:	Page 67	§ VMS should support 128 k bit encryption for recordings for security purpose	Kindly consider: § VMS should support 256 bit AES encryption for recordings for security purpose and SEF(secured export format) export system with password protection upto 20 characters.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					requirements are met as minimum.
654.	Volume II: Scope of work Video Management System	Page 68	System should allow to specify the following search criteria:	Kindly consider: System should allow to specify the following search criteria: Evidence Export Solution - The Software shall be able to create, export and share Incident by making clips from multiple cameras with labels, descriptions and comments. The Clips shall be played simultaneously or sequentially in desired order to give wholistic view about the incident and the evidence. The systems should combine the video clips from multiple cameras collected together, and then edit them into a movie that contains authenticity checked material and detailed descriptions of what is being shown on the videos. The Evidence solution makes it very easy for the viewer to follow and	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				understand exactly what happened.	
655.	Volume II: Scope of work Video Analytics	Page 77	Solution shall be so designed to have Automated PTZ camera control for zooming in on interesting events like motion detection etc. as picked up by camera without the need of human intervention. It shall be completely scalable, with a many-to-many client-server model allowing multiple physical systems to be used in an array of servers. The server specified in the RFP indicates only the minimum requirements. However, SI shall offer the server system to suit the video analytics	Kindly Consider: Solution shall be so designed to have Automated PTZ camera control for zooming in on interesting events like motion detection etc. as picked up by camera without the need of human intervention of The Cameras. There should be Virtual camera functionality up to 40 such Virtual camera can be made from one single camera view. It shall be completely scalable, with a many-to-many client-server model allowing multiple physical systems to be used in an array of servers. The server specified in the RFP indicates only the minimum requirements. However, SI shall offer the server system to suit the video analytics requirements specified herein.	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			requirements specified herein.		
656.	Volume II: Scope of work Video Analytics	Page 77	Video Analytics:	Kindly Add: The video analytics (VA) shall be an inbuilt solution from the VMS manufacturer where the video analytics software is included in the basic VMS installation package. The VCA should run in the same Recorder as that of the VMS. Separate Hardware shouldn't be required. Separate License key shouldn't be required to run VCA	RFQ cum RFP Prevails.
657.	Volume II: Scope of work Video Management System VMS GUI Capabilities:	Page 69	§ All user interfaces shall support English Language and shall confirm to standard Windows protocols and practices and allow the control of all functions via a simple easy to use interface.	Kindly Consider: § All user interfaces shall support English Language and shall confirm to standard Windows protocols and practices and allow the control of all functions via a simple easy to use interface. The Software should have a "help" option where quick offline support and documentation of the operation of the software shall be available	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				for the operator for any instant help or support.	
658.	Volume II: Scope of work Video Management System	Page 68	i. Motion in the zone, user-defined with any polyline	Kindly Consider: i. Motion in the zone, user-defined with any polyline. VMS should support 3 motion detection methods - Comparative , Adaptive and Hermeneutic for adverse conditions.	RFQ cum RFP Prevails.
659.	Volume II: Scope of work Video Analytics	Page 76	Analytics software shall bring significant benefit to review the incidences and look for suspicious activity in both live video feeds and recorded footages.	Kindly consider: Analytics software shall bring significant benefit to review the incidences and look for suspicious activity in both live video feeds and recorded footages. The video analytics shall have an easy to use 3D calibration tool where 3D calibration objects are matched to the actual camera viewing scene and Alarm Filtering Option shall be there . It shall possible to “silence” alarms for a desired time period Ranging from 5 Minutes till 24 Hours or more.	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
660.	volume I	22	d. All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFQ CUM RFP.	Request smart city team to add below point, so City can get stable OEM in market d. All the OEMs should have authorized presence in India either directly or through channel partner(s) without any joint venture from last 10 years minimum as on the date of release of RFQ CUM RFP.	RFQ cum RFP Prevails.
661.	volume I	22		Kindly add for CCTV OEM The country of origin and country of manufacturing have to be same for all cameras. OEM needs to ensure that no white labeled cameras are supplied.	RFQ cum RFP Prevails.
662.	volume II	227	PTZ008 Pan 360° endless, 350°/s	Request smart city team to add consider pan speed to 240°/s, as mentioned speed is OEM specific	RFQ cum RFP Prevails.
663.	volume II	227	PTZ009 Tilt Range Manual/programmable ; speed: 350°/sec; angle :0-180° or proportional	Request smart city team to add consider tilt speed to 120°/s, as mentioned speed is OEM specific	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			speed needs to be provided		
664.	volume II	227	PTZ014 Resolutions and frame rates (H.264) Minimum 1920 x 1080 @ 25 fps (1080p) or better	Request smart city team to enhance the specs to 60fps at all resolution as 60fps will provide more scene details E.G. if any high speed vehicle is moving. Kindly provide 1920 x 1080 @ 60 fps (1080p) or better	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
665.	volume II	227	PTZ013 Video Compression and streams Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Kindly add fps for streaming Triple Stream of H.264, @60fps Main profile & 1 Stream of Motion JPEG	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					nts are met as minimum.
666.	volume II	227	PTZ017 Local storage (S.D or Micro SD) microSDXC memory card of 128GB (Class 10); In the event of failure of connectivity to the central server the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the server recording such that no manual intervention is required to transfer the SD card based recordings to server.	Request smart city team to enhance the specs of SD Card to minimum 512Gb SD Card, So camera will be able to record minimum 10 days data at 2mp@60fps resolution	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
667.	volume II	227	PTZ023 Wide Dynamic Range Minimum 100db	Request smart city to accept WDR 94Db as per IEC Standard IEC62676-PART 5	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
668.	volume II	227	PTZ027 Housing IP 66/65 Rated for outdoor use with internal /external IR illuminators which can cover up to 50 mts .Compliance to Vandal and impact resistant housing – IP66 / NEMA 4X, IK10	Request smart city to enhance the specs for illuminator range ,AS PTZ Camera has 30x optical zoom with upto 129mm/135mm lens during night time to see object at 150 meter, camera should have minimum illuminator range of 170 meter and request to remove IK10 as Inbuilt IR camera has IR bubble. Housing IP 66/65 Rated for outdoor use with internal/ external IR illuminators which can cover up to 170 mts with 360 deg rotation .Compliance to Vandal and impact resistant housing – IP66 / NEMA 4X, IK10	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
669.	volume II	229	FIXBOX IRIS Auto P-IRIS	5 Kindly accept P-IRIS/DC Iris as P-iris is OEM Specific	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					nts are met as minimum.
670.	volume II	229	FIXBOX 7 Resolutions and frame rates (H.264) Minimum 2560x 1920@ 20 fps (5 Mp) or better	Request smart city team to enhance the specs to 2MP @ 60fps at all resolution as 60fps will provide more scene details E.G. if any high speed vehicle is moving. Kindly pprove 1920 x 1080 @ 60 fps (1080p) or better	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requireme nts are met as minimum.
671.	volume II	229	FIXBOX 6 Video Compression and streams Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Kindly add fps for streaming Triple Stream of H.264, @60fps Main profile & 1 Stream of Motion JPEG. Oem to ensure minimum out of 4 streams, primary and secondary stream shall be configure at camera high resolution and fps (H.264, 2MP @60FPS)	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					requirements are met as minimum.
672.	volume II	229	<p>FIXBOX 10</p> <p>Local storage (S.D or Micro SD) microSDXC memory card of 128GB (Class 10): In the event of failure of connectivity to the central server the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the server recording on request from VMS such that no manual intervention is required to transfer the SD card based recordings to server.</p>	Request smart city team to enhance the specs of SD Card to minimum 512Gb SD Card, So camera will be able to record minimum 15 days data at 2mp@60fps resolution	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
673.	volume II	230	Housing Separate (not Integrated with camera) IP 66/65 Rated for outdoor use with internal /external IR illuminators which can cover up to 50 mts .Compliance to Vandal and impact resistant housing – IP66 / NEMA 4X, IK10	Request smart city team to enhance the Illuminator specs of 850nm IR intensity adjustable with beam angle 10 to 95 deg with minimum 100 meter range.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
674.	volume II	230	DM02 Video Resolution Minimum 2560x1920@ 20 fps (5 Mp) or better	Request smart city to correct resolution and fps of 5MP (3000-3900) X (1700-1900) in 16:9 Format @25/30fps	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as minimum.
675.	volume II	232	DM03 Frame rate 2 MP: 25 FPS, 3 MP @ 20FPS & 5 MP @ 20 fps	Request smart city to add 25/30 fsp at all resolution. So city can get the live and recprding at 5MP @30FPS	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
676.	volume II	232	Colour: 0.2 lux, B/W: 0.05 lux (at 30 IRE)	Request city to accept color lux 0.4	RFQ cum RFP Prevails.
677.	volume II	232	DM011 Local storage microSDXC memory card of 32GB (Class 10) In the event of failure of connectivity to the central server the camera shall record	Request smart city team to enhance the specs of SD Card to minimum 512Gb SD Card, So camera will be able to record minimum 15 days data at 5mp@30fps resolution	As per Bidder's solution. Bidder to ensure that all

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the server recording on request from VMS such that no manual intervention is required to transfer the SD card based recordings to server.		RFQ cum RFP requirements are met as minimum.
678.	volume II	232	Dome camera streaming	Kindly add fps for streaming Triple Stream of H.264, @30fps Main profile & 1 Stream of Motion JPEG. Oem to ensure minimum out of 4 streams, primary and secondary stream shall be configure at camera high resolution and fps (H.264, 5MP @30FPS)	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
679.	APT.004	2.23 APT, Page 185	The APT appliance should be able to handle min 2 Gbps incoming /outgoing traffic	The APT appliance should be able to handle min 4 Gbps incoming /outgoing traffic.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
680.	APT.008	2.23 APT, Page 185	Min 4 Copper and 2 x 10G Fibre ports should be provided in APT appliances for achieving functionalities mentioned	Min 4 Copper and 2 x 10G Fibre ports should be provided in APT appliances for achieving functionalities mentioned. For scalability the appliance should support 4 10G fiber ports	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as minimum.
681.	Server Room Firewall	2.15 (To be added)	The solution should support deployment in MTA (Mail Transfer Agent) mode, inspect TLS & SSL	This should be added. In order to inspect and emulate email files, Firewall should support MTA functionality to able to act as MTA also if required	No Change
682.	Server Room Firewall	2.15 (To be added)	The solution should be able to detect ROP (Return oriented Programming) and other exploitation techniques (e.g. privilege escalation) by monitoring the CPU flow	CPU level emulation is must as OS level emulation is old technology and can be bypassed. This is must for enhanced security and to detect exploit like ROP, etc	No Change
683.	Server Room Firewall	2.15 (To be added)	The solution should be able to emulate and extract files embedded in documents. The solution should Eliminate threats and remove exploitable content, including active content and embedded objects. The solution should Provide	This is document scrubbing feature and is must for enhanced security. While the file is emulating, the safe file after document scrubbing can be delivered to user. This will prevent patitent Zero.	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			ability to convert reconstructed files to PDF format		
684.	Internet Firewall	2.14 (To be added)	The solution should support deployment in MTA (Mail Transfer Agent) mode, inspect TLS & SSL	This should be added. In order to inspect and emulate email files, Firewall should support MTA functionality to able to act as MTA also if required	No Change
685.	Internet Firewall	2.14 (To be added)	The solution should be able to detect ROP (Return oriented Programming) and other exploitation techniques (e.g. privilege escalation) by monitoring the CPU flow	CPU level emulation is must as OS level emulation is old technology and can be bypassed. This is must for enhanced security and to detect exploit like ROP, etc	No Change
686.	Internet Firewall	2.14 (To be added)	The solution should be able to emulate and extract files embedded in documents. The solution should Eliminate threats and remove exploitable content, including active content and embedded objects. The	This is document scrubbing feature and is must for enhanced security. While the file is emulating, the safe file after document scrubbing can be delivered to user. This will prevent patient Zero.	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			solution should Provide ability to convert reconstructed files to PDF format		
687.	Internet Firewall	2.14, FW.007, Page 168	Application Control: The proposed system shall have the ability to detect, log and take action against network traffic based on over 2500 application signatures	Application Control: The proposed system shall have the ability to detect, log and take action against network traffic based on over 7000 application signatures	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
688.	Volume 2 B. Scope of work	33	§ Server models wherever applicable shall be Blade Mount servers with key board, monitor, etc. shared to minimize the requirement of rack space in Server Room &	Since the DR hosting has been demanded on 3rd party Meity empaneled cloud service provider and will be providing Infrastructure along with IaaS and software as a service for this project, Hence please confirm the following clause is not applicable for	Accepted

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			DR considering any space constraints.	softwares/hardware provided by CSP at DR and is only applicable for On-premise DC/Server room/ICCC .	
689.	Volume 2 g) Provisioning IT Security Equipment & C. Solution Requirements	35 & 41	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. There shall be no loss of video recording in a CCC in case of failure of any single server and storage component. Both Server Room and cloud DR Site shall work in an Active-Active mode. & The Disaster Recovery Centre will serve as a platform for making all the applications hosted at the data centre	Referring to the following clauses, As per our understanding only the VMS/video feeds solution will be in active-active mode at DC and DR i.e video feeds will be forwarded at DC and DR simultaneously and not the entire DR environment need to be in active mode and will be invoked only in case of disaster at primary DC site.Please confirm	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			available in the event of a failure or a disaster.		
690.	Volume 2 g) Provisioning IT Security Equipment	35	MSI shall design the Server Room and DR solution with the necessary load balancing, replication and recovery solution that provide zero RPO (Recovery Point Objective) and RTO (Recovery Time Objective) of 10 minutes.	Since the DR hosting has been demanded on 3rd party Meity empaneled cloud service provider and MeITY has already defined the best standard for entire government community/departments with respect to security,RPO,RTO etc.Hence we request ASCDCL to revise the RPO/RTO to 15 Minutes and 2 hours respectively which complies to MeITY standard and will also avoid the complexity and commercial overheads involved for maintaining 0 RPO and 10 Minutes RTO.	Accepted
691.	Volume 2 C. Solution Requirements	41	The physical location of the Server Room and the DR site will be determined based on the projections of the MSI and will be provided by ASCDCL. All civil, mechanical and	Please confirm MSI or ASCDCL will be providing DR on cloud,the following clause seems to be contradict to the entire SoW provided in RFP with respect to DR on cloud requirement	DR on cloud will be provided by MSI

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			electrical work associated with creating the facility will be in the scope of the MSI.		
692.	Volume 2 Annexure- Technical Specification Requirements	41	Annexure- Technical Specification Requirements	DR hosting has been demanded on 3rd party Meity empaneled cloud service provider and will be providing IaaS and software as a service for this project, Hence please confirm the technical specifications provided in this section are not applicable for softwares/hardware provided by CSP at DR and is only applicable for On-premise DC/Server room/ICCC .	Accepted.
693.	Volume 3	29	25.1. MSI must transfer all titles to the assets and goods procured for the purpose of the project to ASCDCL at the time of Acceptance of System. This includes all licenses, titles, source code,	DR hosting has been demanded on 3rd party Meity empaneled cloud service provider and will be providing IaaS and software as a service for this project, Hence please confirm ownership transfer are not applicable for softwares/hardware provided by	Accepted

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by MSI. MSI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of ASCDCL. For any pre-existing work, MSI and ASCDCL shall be held jointly responsible and its use in any other project by MSI shall be decided on mutual consent.	CSP at DR and is only applicable for On-premise DC/Server room/ICCC .	
694.	DCFV.002	Throughput capacity of next generation Firewall (AVS+NGIPS) should not be	Asked throughput and the connections mentioned are very high and are not inline with connections which are low, RAM will be fixed or upgradeable	Should be based on multi core processors or proprietary hardware platforms like ASICs, with max 9 Gbps of NGFW throughput. Should have minimum 64 GB memory . Hardware should have field	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		less than 20 GBPS. Max 25 Million sessions per second 150K. Solution should be based on multi core processors and not on proprietary hardware platforms like ASICs, Should have minimum 16 GB memory with option of upgradable up to 32 GB. Hardware should have field upgradable capabilities for upgrading components	that needs to be neutralized as it depends on multiple variants of appliances	upgradable capabilities for upgrading components like network cards etc.	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		like network cards, RAM, power supplies, fan etc.			
695.	DCFV.003	Solution should have following deployment modes mandatory: a) L3 Mode, b) L2/Transparent Mode. The solution should be deployed in High Availability. Should support hardware fail open cards for critical interfaces. NGFW appliance should have	Solution for the fail open cards is required if the solution is deployed in the IPS or on bridge mode . High Availability is already considered for the NGFW. Inbuilt storage of the SSD and HDD also varies and minimum required as logs will be stored to the central server.	Should support High Availability or hardware fail open cards for critical interfaces. NGFW appliance should have inbuilt storage of 400 GB SSD / HDD. 8 x 10/100/1000Base-T Copper Ports, 4 x 10 GB 10G SFP ports from day 1 and support for addition of 2 x 40G SFP ports. Any port can be Management and Sync Ports, except data ports	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		inbuilt storage of 900 GB SSD / HDD.			
696.	DCFW.004	Interface Requirement: 8 x 10/100/1000 Base-T Copper Ports, 4 x 10 GB 10G SFP ports from day 1 and support for addition of 2 x 40G SFP ports. Dedicated Management and Sync Ports			RFQ cum RFP Prevails.
697.	DCFW.007	Solution must support gateway high availability and load sharing with state	Solution should Support 6 to 4 NAT, or 6 to 4 tunnel, this point should be removed since it is part of CGN solution not Firewall	Solution shall support configuration of dual stack gateway on a bond interface or on a sub-interface of a bond interface. Solution should Support 6 to 6 NAT, or 4 to 4 tunnel.	As per Bidder's solution. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		synchronization. Solution must support Configuration of dual stack gateway on a bond interface, OR on a sub-interface of a bond interface. Solution must Support 6 to 4 NAT, or 6 to 4 tunnel			that all RFQ cum RFP requirements are met as minimum.
698.	DCFV.009	The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file	This point is specific to the CDR solution specific to the OEM and hence needs to be removed.	Solution like Web Security already proposed in the details will be able to capture and provide protection on the same.	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		<p>downloads through the internet. Third Party/Separate appliance for SSL offloading will not be accepted. The proposed solution should dynamically generate real-time malware intelligence for immediate local protection via integration with the separate Automated Management and Event Correlation System. This</p>			<p>met as minimum.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		Automated Management and Event Correlation solution must be from the same OEM.Solution should have an ability to remove all the active content and macros sending only a clean document to the end user. Solution should be able to detect & Prevent the Bot communication with C&C.			
699.	DCFW.010	Solution should have aMulti-tier engine to ie	Solution should be able to provide with Forensic tools which give details like Infected	EDR solution will able to capture all forensics , AV solution is also	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		<p>detect & Prevent Command and Control IP/URL and DNS. Solution should be able to detect & Prevent Unique communication patterns used by BOTs ie Information about Botnet family. Solution should be able to detect & Prevent attack types ie, such as spam sending click fraud or self-distribution, that are associated</p>	<p>Users/Device, Malware type, Malware action etc.,This the Endpoint based solution not the NGFW , specific to OEM.</p>	<p>there to detect and block and hence needs to be removed.</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		with Bots. Solution should be able to block traffic between infected Host and Remote Operator and not to legitimate destination. Solution should be able to provide with Forensic tools which give details like Infected Users/Device, Malwaretype, Malware action etc			
700.	DCFW.011	Security Management: A separate centralized	Every OEM provide different way of managing the different technologies such as	A separate centralized management appliance/software needs to be	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		management appliance/software needs to be provided for management and logging of NGFW appliance. In case other security components like APT solution etc. are from the same OEM then a single centralized management, logging (and not multiple management system) should manage all such security devices. Security	NGFW and APT appliances	provided for management and logging of NGFW appliances	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		management Hardware can be an OEM appliance or dedicated server with software. In case of dedicated server, Server should be rack mounted with Intel based 8 core processor with min two nos. of 64-bit processor having 64 GB RAM or OEM recommended whichever is higher for these specifications . Minimum 2 TB Hard disk and minimum			

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		dual 10/100/1000 Mbps network port. The central management console and should be able to handle 5000 log/sec.			
701.	DC Firewall New	The Proposed solution should be FIPS 140-2/Common Criteria PP and must be in the recommended rating of NSS from last three years and should not have reported any backdoor in	Solution will be security effective with the capability mentioned and hence the certifications and the NSS labs provide that effective matrix.		Query not clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		minimum last three years			
702.	DCFV.009	The solution should inspect the web sessions (HTTP and HTTPS both) to detect and notify the malicious web activity including malicious file downloads through the internet. Third Party/Separate appliance for SSL offloading will not be accepted. The proposed solution should dynamically	Solution should have an ability to remove all the active content and macros sending only a clean document to the end user- This clause should be removed, since it is specific to OEM		Query not clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		<p>generate real-time malware intelligence for immediate local protection via integration with the separate Automated Management and Event Correlation System. This Automated Management and Event Correlation solution must be from the same OEM. Solution should have an ability to remove all the active content and macros sending only a</p>			

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		clean document to the end user. Solution should be able to detect & Prevent the Bot communication with C&C.			
703.	Volume 2/Enterprise Management System (EMS)-Reporting	38	Solution should provide historical and concurrent service level reports to ensure accountability of the service provider's performance	Please share details of service provider here, is it referring to ISPs or something else? Is MPLS Monitoring part of scope?	RFQ cum RFP is clear. All service providers.
704.	Volume 2/Enterprise Management System (EMS)-Reporting	39	Helpdesk should be an ITIL certified tool for Incident, Problem, Change, Knowledge, Configuration and SLA Management processes	Its highly advised to consider proposed Helpdesk system be ITIL Gold-level certified on at least 10+ processes for smooth functioning of Helpdesk system	RFQ cum RFP Prevails
705.	Volume 2/Enterprise Management	38	The solution should provide a unified web based console which	Other than having role based access control it's must for such large scale project to have unified view of infrastructure.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	System (EMS)- Reporting		allows role based access to the users.	We suggest to add " The solution must provide single integrated dashboard to provide line of business views and drill down capabilities to navigate technical operators right from services to last infrastructure components " along with role based access control	
706.	Volume 2/Enterprise Management System (EMS)- Reporting	38	To ensure ICT systems are delivered at the performance level envisaged, it is important that an effective monitoring and management system be put in place. It is thus proposed that a proven Enterprise Management System (EMS) is proposed by the Bidder for efficient management of the system, reporting, SLA monitoring and resolution of issues.	To ensure this clause we high recommend to add clause " Proposed EMS/NMS solution MUST have at least 3 deployments in Indian Government/ Public Sector, monitoring & managing 10,000+ network nodes in each of such deployments. Names must be mentioned at the time of bidding" Smart city is visionary project of Govt Of India and EMS is one of the most critical components of it so it must be a proven system having deployment in Govt sector already" Smart city is visionary project of Govt Of India and EMS is one of the most critical	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				components of it so it must be a proven system having deployment in Govt sector already	
707.	Volume 2 - Section 3.1- Testing and Acceptance procedures	125	The MSI along with consortium partners shall be responsible for the testing processes such as planning (includes preparing test plans and defining roles and their responsibilities), preparation (consists of preparing test specification, test environment and test data) and execution (includes testing at various levels like unit level, integration level, system level and production).	Is it recommended that the MSI use an Application Lifecycle Management solution - in order to ensure that all the mentioned test planning, preparation and execution is managed through a single platform which can also provide traceability across Requirements, test cases (manual and regression) and defects? This ALM solution would also provide real time reporting across the board.	RFQ cum RFP Prevails
708.	Volume 2 - Section 3.1 - Section B - Test scenarios	126	A test scenario when executed should fulfil a business requirement	Is it recommended that the MSI provide traceability of Business functionality (requirements) to the test scenarios? If yes, is it	As per Bidder's solution.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			as per the scope of business functionality.	recommended that they use an Application lifecycle management solution that can automatically provide this traceability?	Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
709.	Volume 2 - Section 3.1 - Section C - Test Execution (Incremental Integration testing)	127	Incremental Integration Testing: Continuous testing of an application as new functionality is added.	Is it recommended to use an automated testing tool which can be integrated out of the box with a continuous integration tool which would effectively provide a continuous testing capability?	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
710.	Volume 2 - Section 3.1 - Section C -Test	127	Impact analysis is useful to narrow done testing efforts by identifying	is it recommended that the MSI use an Application lifecycle management solution that can	As per Bidder's

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Execution (System testing)		critical test cases affected due to code change.	automatically provide the traceability feature which will in-turn provide a built-in Impact analysis feature?	solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
711.	Volume 2 - Section 3.1 - Section C -Test Execution (Regression testing)	127	A baseline set of data and scripts will be maintained and executed to verify changes introduced during the release have not “undone” any previous code. Expected results from the baseline are compared to results of the software being regression tested.	Is it recommended to use an automated testing tool which can create the mentioned baseline scripts, which can be then regularly used to perform regression testing of the application - thus making sure that nothing has been undone from previous code?	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
712.	Volume 2 - Section 3.1 - Section C - Test	127	Performance testing will verify the load,	Is it recommended that the MSI chooses an Enterprise grade	As per

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Execution (Performance testing/Load testing)		volume, and response times as defined by requirements. Load Testing: Testing an application under heavy loads, such as the testing of a web site under a range of loads to determine at what point the systems response time degrades or fails.	commercial tool that can scale to the mentioned heavy loads that the application is supposed to withstand?	Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
713.	Volume 2 - Section 3.1 - Section B - Test Scenarios	126	Access to testing tools and defect logging tools	What is the recommendation around the testing tools and defect logging tools for the MSI? Is it recommended to use a single Test management tool that can provide all the requisite capabilities like Test Plan creation/Management, Test Execution, Business scenarios documentation and Defect management in one place?	As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
714.	Volume 2 - Section 2.10 -Aurangabad Citizen Mobile Application and Website	120	Aurangabad Citizen Mobile Application and Website	What is the expected volume of users for the Aurangabad Citizen Website? And if the volume is significant (since it would be used by majorly by the residents) - then what is the Performance testing approach bidder should undertake in order to meet the SLA's?	Yes it is significant. As per Bidder's solution. Bidder to ensure that all RFQ cum RFP requirements are met as minimum.
715.	2.25 SIEM for Logs & Packet System / SIEM.001	189	Next generation platform should encompass log, packet and end point data with added context and threat Intelligence. Should provide complete network visibility through deep packet inspection high	This is specific to one vendor/OEM. Hence we request to put technical specifications for SIEM and packet capture solutions separate?	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			speed packet capture and analysis.		
716.	2.25 SIEM for Logs & Packet System /SIEM.002	189	SIEM for Logs and deep packet inspection should be from same OEM.	This is specific to one single OEM. We request to have separate specs for SIEM and packet capture. Request to change the spec	RFQ cum RFP Prevails
717.	2.25 SIEM for Logs & Packet System / SIEM.003	189	The solution should be a physical appliance form factor with following components: a. Management & Reporting b. Normalization and Indexing, c. Correlation Engine d. Data Management	This is specific to one single OEM. We request to consider options for both software and appliance based. The componenets also belong to single OEM. Hence we request to make it general for SIEM. Every SIEM will have componenets like Log Collector, Log Management & Correlation Layer. The solution should be physical appliance or software installed on a hardened server with below form factor with following components: 1. Log Collection	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				2. Log Management 3. Correlation Engine	
718.	2.25 SIEM for Logs & Packet System / SIEM.004		There should be no limitation on number of devices to be supported. Any addition in no. of devices should have no cost impact on department.		Query Not Clear
719.	2.25 SIEM for Logs & Packet System / SIEM.010		Correlation Engine appliance should be consolidated in a purpose build appliance and should handle 100,000 EPS.		Query not clear
720.	2.25 SIEM for Logs & Packet System /SIEM.014		Appliance should have minimum 128 GB RAM to provide optimal performance and should provide at least 4 network interfaces onboard.		Query not clear
721.	2.25 SIEM for Logs & Packet System / SIEM.015		Should be managed and monitored from SIEM unified console	Specific to particular OEM Request for change in spec	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			for Correlation, Alerting and Administration		
722.	2.25 SIEM for Logs & Packet System / SIEM.016		Should store RAW packet DATA for 7 days and normalized packet data for 30 days for forensics.		Query not clear
723.	2.25 SIEM for Logs & Packet System / SIEM.017		Should be able to provide complete packet-by-packet details pertaining to one or more session of interest including Session replay, page reconstruction, image views, artefact & raw packet and object extractions.		Query not clear
724.	2.25 SIEM for Logs & Packet System /SIEM.018		Should be able to filter the captured packets based on layer-2 to layer-7 header information.	This Specification is related to packet capture solution . Request to have seprate Spec for Packet Capture solution	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
725.	2.25 SIEM for Logs & Packet System / SIEM.019		Should provide comprehensive deep packet inspection (DPI) to classify protocols & application.	This is specific to one vendor/OEM. Hence we request to put technical specifications for SIEM and packet capture solutions separate?	RFQ cum RFP Prevails
726.	2.25 SIEM for Logs & Packet System /SIEM.021		The solution must be able to detect malicious payload in network traffic	This Specification is related to packet capture solution . Request to have seprate Spec for Packet Capture solution	RFQ cum RFP Prevails
727.	2.25 SIEM for Logs & Packet System /SIEM.022		· Detect and reconstruct files back to its original type	This Specification is related to packet capture solution . Request to have seprate Spec for Packet Capture solution	RFQ cum RFP Prevails
728.	2.25 SIEM for Logs & Packet System /SIEM.023		· Detect hidden or embedded files	This Specification is related to packet capture solution . Request to have seprate Spec for Packet Capture solution	RFQ cum RFP Prevails
729.	2.25 SIEM for Logs & Packet System /SIEM.024		· Detect and flag out renamed files	This Specification is related to packet capture solution . Request to have seprate Spec for Packet Capture solution	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
730.	2.25 SIEM for Logs & Packet System /SIEM.025		The solution must have the ability to capture network traffic and import PCAP files using the same infrastructure.	This Specification is related to packet capture solution . Request to have separate Spec for Packet Capture solution	
731.	Volume 1, 3.5. Pre-Qualification Criteria, Point no. 6	Page no. 40	<p>Sole Bidder or any of the consortium member should have experience of implementing following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre <p>Copies of Work Order, Work Completion certificate by Client Entity (on Client Entity letterhead) and other</p>	<p>CCTV based Surveillance and City Operation Center/ Control and Command Centre are two different sectors, a company having experience in both the sectors are very limited. Thus we Request you to kindly consider the following changes :</p> <p>"Sole Bidder or any of the consortium member should have experience in implementing at least one of the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years</p> <ul style="list-style-type: none"> * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre" <p>or</p>	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of Contract.	"Sole Bidder or consortium should have experience in implementing of the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years * CCTV based Surveillance System * City Operation Command Centre / Control and Command Centre"	
732.	Volume 2, Section 2.20 External Storage , Section 2.30 Storage	177, 204	1.25 PB Storage specifications	Conflict of Storage specifications in Page 177 & Page 204, mentioned 1.25PB in both specifications. Please clarify which one to consider	Refer addendum Sr. No. 5
733.	Volume 2, Section 2.20 External Storage , Section 2.30 Storage	177, 204	1.25 PB Storage for video feeds storage & 500 TB for other Smart applications storage requirements	Entire storage capacity will not be completely utilized from Day 1 in any scenarios. Is MSI allowed to propose incremental storage expansion over the period of 5 years starting from minimum 100TB from Day 1 ? Request authorities to confirm	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
734.	Volume 2, Section 2.2 Component 2 & Section 2.3 Component 3	31, 45	Component 2 - CCC for Police & Component 3 - OCC for AMC scope of work with locations	Request authorities to provide clarification on OCC & CCC locations and MSI scope of work in terms of design & build and basic amenities to be provided by authorities at the initial stage.	Refer addendum Sr. No. 4. However, CCC is Police head office and OCC location will be inform to successful bidder
735.	Volume I 1.2. Need for Present Assignment & Brief Scope of Work	3	Aurangabad Citizen MSI shall develop a Mobile Application and Website/Portal Mobile Application integrating all the components of smart city projects to provide a platform for citizen services, complaint/ grievance management along with payment gateway integration for payment through the	We are assuming that citizen services like birth, death, marriage certificates are already developed and API's will be provided by AMC for integration in mobile and web portal. Please confirm How many e-Governance services has to be integrated in mobile and web portal?	All e-governance modules are to be integrated.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			mobile application and website/portal.		
736.	Volume I 1.2 Integration Components	3	E-Governance System	Does SI needs to implement E-Governance system? If yes then please mention detailed scope.	RFQ cum RFP is clear
737.	Volume 1, 10 , 2.10. Contents of Bid, Point a	10	a) A four cover system shall be followed. Pre-Qualification, Technical and Commercial Offers shall be uploaded separately through the e - Procurement portal.	Requesting ASCDCL to kindly clarify the below points: 1. How many file can be uploaded under each cover? 2. What is the format of file/s that can be uploaded i.e PDF, .rar etc 3. What is the maximum file size (in MB) that can be uploaded? 4. What is the maximum limit (in MB) for each cover?	As Per Mahatenders.gov.in
738.	Volume I 2.30 Eligible Goods and Services and OEM Criteria	21	The OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 3 years as on the date of release of the RFQ CUM RFP.	The OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 1 year as on the date of release of the RFQ CUM RFP.	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
739.	Volume I 2.30 Eligible Goods and Services and OEM Criteria	22	The proposed OEM should have installed base of at least 20% of the quoted product or technology.	The proposed OEM should have installed base of at least 5% of the quoted product or technology. This is a standard based on current Smart City RFPs	RFQ cum RFP Prevails
740.	Volume I 2.30 Eligible Goods and Services and OEM Criteria	22	The City Operations Platform proposed by the Bidder must be operational in atleast one City at the time of bidding with at least three relevant use cases as applicable for Aurangabad city requirement.	The City Operations Platform proposed by the Bidder must be operational in atleast one City Globally at the time of bidding with at least one relevant use cases as applicable for Aurangabad city requirement.	Global projects are accepted.
741.	Volume I, 3.5. Pre-Qualification Criteria	28	2) The Sole Bidder or the Lead Bidder of consortium should have an average annual turnover of minimum INR 150.00 Crores with minimum average turnover of INR 75 crores from atleast one of the "specific business areas"	2) The Sole Bidder or the Lead Bidder of consortium should have an average annual turnover of minimum INR 500.00 Crores with minimum average turnover of INR 300 crores from atleast one of the "specific business areas" mentioned below over the last three financial years and, in case of a Consortium, the average	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			mentioned below over the last three financial years and, in case of a Consortium, the average annual turnover for each of the consortium members other than the Sole Bidder or the Lead Bidder over the last three Financial Years should be INR 5.00 crore or more from one or more of the “specific business areas” mentioned below. Specific Business Areas § ICT Infrastructure § Telecom Infrastructure § IT System Integration Services	annual turnover for each of the consortium members other than the Sole Bidder or the Lead Bidder over the last three Financial Years should be INR 20.00 crore or more from one or more of the “specific business areas” mentioned below. Specific Business Areas § ICT Infrastructure § Telecom Infrastructure § IT System Integration Services Considering the size of the Project, lead bidder should have minimum above mentioned turnover to ensure successful completion	
742.	Volume I, 3.5. Pre-Qualification Criteria	28	2) Certificate from the Statutory Auditor on turnover details from the “specific business	1. Requesting ASCDCL to kindly add the below clause as : § Certificate from the Statutory Auditor/ Chartered Accountant on turnover details from the	Certificate from the Statutory Auditor

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			areas” over the last three (3) financial years	<p>“specific business areas” over the last three (3) financial years § On the letter head of Statuary Auditor/Chartered Accountant duly stamped and signed certificate for specific business area.</p> <p>2. As the format for the certificate is not provided in the RFP, the understanding is that the bidder's are allowed to use their own format. Requesting ASCDCL to kindly confirm the understanding.</p>	/Chartered Accountant will be accepted but Bidder must comply with audited Balance sheet
743.	Volume 1, 3.5. Pre-Qualification Criteria & 3.6. Technical Evaluation Framework	28 & 31	Additional clause	Requesting ASCDCL to kindly add the below clause as Note: "Note: Project experience of Bidder's Group companies can also be considered for the evaluation."	No Change.
744.	Volume I, 3.5. Pre-Qualification Criteria	29	3) Certificate from the statutory auditor/ Company secretary clearly specifying the Net worth for ICT projects for the	1. Requesting ASCDCL to kindly add the below clause as : § Certificate from the statutory auditor/Company secretary/ Chartered Accountant clearly specifying	Certificate from the Statutory Auditor /Chartered

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			specified year to be provided.	the Net worth for ICT projects for the specified year to be provided. 2. As the format for the certificate is not provided in the RFP, the understanding is that the bidder's are allowed to use their own formats. Requesting ASCDCL to kindly confirm the understanding.	Accountant will be accepted but Bidder must comply with audited Balance sheet
745.	Volume I, 3.5. Pre-Qualification Criteria	29	5 B) The sole Bidder or any of the Consortium partners responsible for the pertinent contribution shall possess CMMi process level 3 or above certification.	5 B) The sole Bidder or any of the Consortium partners responsible for the pertinent contribution shall possess CMMi process level 5	RFQ cum RFP Prevails.
746.	Volume I, 3.5. Pre-Qualification Criteria	30	6) Sole Bidder or any of the consortium member should have experience of implementing following sectors having a minimum value of INR 5 Crs per	6) Sole Bidder or any of the consortium member should have experience in implementing at least one of the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			project (excluding civil works) during last 7 years § CCTV based Surveillance System § City Operation Command Centre / Control and Command Centre	§ CCTV based Surveillance System § City Operation Command Centre / Control and Command Centre	
747.	Volume I, 3.5. Pre-Qualification Criteria	30	6) Copies of Work Order, Work Completion certificate by Client Entity (on Client Entity letterhead) and other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of Contract.	6) Copies of Work Order, Work Completion certificate by Client Entity / Self Certificate for On-going Project / other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of Contract.	RFQ cum RFP Prevails.
748.	Volume I, 3.7. Technical Bid Criteria & Evaluation	32	Supporting Documents required: Relevant Client Certificate	Supporting Documents Required (Across all Project Experience points): Relevant Client Certificate OR Self Certificate	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
749.	Volume 1, 3.6. Technical Evaluation Framework, Point A.5	33	Biometrics Attendance system	Requesting ASCDCL to kindly amend the clause as: "Biometrics Attendance/Access system"	RFQ cum RFP Prevails.
750.	Volume I, 4.4. Warranty, Maintenance & Technology Refresh Cycle	40	The successful bidder hereby warrants ASCDCL that: f)The successful bidder undertakes to ensure the maintenance of the acceptance criterion/standards in respect of the systems during the warranty period.	To ensure and get the maximum RoI for the smart city technology that is being implemented: It is suggested to further add additional point: g) During the Support/O&M Phase, MSI has to ensure & propose: 1. OEM's Professional Team to develop a Quarterly Services program for the first 2 years that will provide responsive, preventive, and consultative support of all critical technologies for specific needs.	RFQ cum RFP Prevails.
751.	Volume 1, 2.1 Pre-qualification bid checklist, Point 8	42	Audited financial statements for the last three financial years And Certificate from the Statutory Auditor	Requesting ASCDCL to kindly amend the clause as: "Audited financial statements for the last three financial years And Certificate from the Statutory Auditor/ Chartered Accountant "	Certificate from the Statutory Auditor /Chartered Accountant will

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					be accepted but Bidder must comply with audited Balance sheet
752.	Volume 1, C. Financial Turnover(required for both bidder and consortium member)	45	Copy of audited financial statements or declaration from the appointed statutory auditor to be provided as proof of the financial turnover	Requesting ASCDCL to kindly amend the clause as: "Copy of audited financial statements or declaration from the appointed statutory auditor/ Chartered Accountant to be provided as proof of the financial turnover"	Certificate from the Statutory Auditor /Chartered Accountant will be accepted but Bidder must comply with audited Balance sheet

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
753.	Volume I - Annexure 5 - Proposed BoM	68	E. Smart Bus stop	Does the Smart Bus Stop also cover Smart Transport because 100 Nos. of GPS SIM Cards are asked.	GPS SIM's are for buses
754.	Volume I - Annexure 5 - Proposed BoM	68	E. Smart Bus stop	If Yes, Then:	GPS SIM's are for buses
755.	Volume I Bill of Quantity K. E-Office	71	Implementation services (Installation & Commissioning)	Does SI needs to implement e-Office solution? E-Office solution will help AMC to go paperless and step forward towards digitization. We request you to add following scope. Electronic Office Application - The government agencies create and maintain the files. To make the process more efficient and transparent, the SI will be required to implement an electronic solution which will maintain an electronic record of files (file noting & correspondence, its history, present status, etc.). However, the client does not aim to close the physical filing process i.e. the electronic and manual	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				procedure of filing will be run on a parallel basis for 1 year from the date of go-live. After 1 year from the date of go-live, the physical filing process will cease to work and will be taken over by electronic record of files.	
756.	Volume I: 5.1 Manufacturers'/Producers' Authorization Form	73	We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	End of Life means End of support. As the technology product lifecycle is usually 5 years and the project is asking for support for 5 years, it is requested to modify the clause in MAF as: " We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for <u>minimum of 05 years</u> from the date of bidding. "	RFQ cum RFP Prevails
757.	Volume II/Component 1 - Network Backbone	25	MPLS based network or better is expected to be provisioned for the backbone network.	Request you to make the requirement specific. As ambiguity in the network backbone can affect the viability of the network	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
758.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police	31	State-of-the-art Command Control Centre is required to be established as part of the City Surveillance solution	Request ASCDCL to share the location of CCC	Refer addendum Sr. No. 4. However, CCC is police head office and OCC will be informed to successful bidder.
759.	Volume II/2.2 Component 2: Command Control Centre for Police	41	The DR centre will have all the functionality and infrastructure similar to the data centre.	We understand that DR is to be provisioned on Cloud. In that case, hardware requirement cannot be same as DC. So request ASCDCL to clarify on this point	Refer Addendum Sr. No. 4
760.	Volume II/2.2 Component 2: Command Control Centre for Police	41	It will be possible to run the OCC and CCC interchangeably in case there is an outage in any of the centres due to any issue.	Request ASCDCL to specify what functionalities are required in OCC and in CCC explicitly. This is required to determine the storage & server sizing in OCC & CCC.	Refer Addendum Sr. No. 4

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
761.	Volume II/2.2 Component 2: Command Control Centre for Police	41	It will be possible to run the OCC and CCC interchangeably in case there is an outage in any of the centres due to any issue.	Data Centre at CCC asks for Storage of 1.25 PB & storage at OCC is to be 500 TB. With the difference in storage capacity, OCC & CCC cannot be used interchangeably. Request ASCDCL to clarify on this point.	Refer Addendum Sr. No. 4
762.	Volume II/2.2 Component 2: Command Control Centre for Police	41	The physical location of the Data Centre and the DR site will be determined based on the projections of the MSI and will be provided by ASCDCL	Request ASCDCL to mention the location where the DC/DR would be located	Refer Addendum Sr. No. 4. However, CCC is police head office and OCC will be informed to successful bidder and Cloud Dr site MSI should Propose

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
763.	Volume II/2.2 Component 2: Command Control Centre for Police	42	MSI shall locate the Server Room in the space provided by AMC/ASCDCL in Aurangabad city, since this is one of the most critical components of smart city infrastructure. System SLA as defined in the RFP to be met solely by MSI.	Request ASCDCL to mention the location where the DC would be located	RFQ cum RFP is clear
764.	Volume II/2.2. COMPONENT 2: Command Control Centre (CCC) for Police	45	MSI should inspect the location and factor in amount of work needed to build OCC in the bid document	Request ASCDCL to share the location of CCC	Refer Addendum Sr. No. 4. However, CCC is police head office and OCC will be informed to successful bidder

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
765.	RFP Vol II, 6.2 Bill of Quantities (BOQ),	134	Furniture Items and chairs etc as per approved design for Datacenter and command and control center	There are no specifications provided in the tender document for Furniture & Fixture and interior elements. Requesting ASCDL to kindly provide the required information.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
766.	RFP Vol II, 6.12. SETUP at Local Police Station, Point 3	138	Furniture	There is no clarity provided for the furniture at the local police station. Requesting ASCDL to kindly provide the required information.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
767.	RFP Vol II, 3.1 PTZ specification, PTZ005	227	Compatible to image sensor, Focal length 4.3–129 m, Auto Iris, Full HD (1080P), IR	We request you to amend it to 4.4 -135 mm as longer lens length will give more coverage which is essential for PTZ	As per Bidder's design. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Corrected – Day / Night mode- Colour		that RFQ cum RFP requirements are met as a minimum.
768.	RFP Vol II, 3.1 PTZ specification, PTZ027	228	IP 66/65 Rated for outdoor use with internal /external IR illuminators which can cover up to 50 mts .Compliance to Vandal and impact resistant housing – IP66 / NEMA 4X, IK10	We request you to change the IR illumination to 150 mtrs as lens asked for PTZ is 4.3-129 mm .If the IR is only 50 mtrs , then it may not cover the entire focal length of camera	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
769.	RFP Vol II, 3.2 Box camera specification, FIXBOX 3	229	2.8 -8mm / 5-50mm lens	We request change in focal length to 3.7-9.4 mm .Here we can propose bullet camera which is factory intergated and hence better solution.Also otorized varifocal lens can be supplied for bullet camera and can be focussed from Control Room .For 5-50mm lens	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				requirement , we can supply box camera with additional lens	
770.	RFP Vol II, 3.2 Box camera specification, FIXBOX 6	229	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Please include 1 stream for H.265 and 2 streams of H.264 & 1 stream of MJPEG. H.265 stream can be used for recording and hence lessen storage.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
771.	RFP Vol II, Box Camera- FIXBOX	229	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Can we have a clarity about the resolution expected in each of the triple streams asked for in the tender? For example, we are not sure if the customer will require a 5MP resolution in all the three streams or just one or two streams. Request for clarification.	All 3 streams shall be of 5 MP resolution.
772.	RFP Vol II, 3.3 Dome camera specification, DM01	232	H.264	H.265 is latest compression technique and can give you bandwidth compression upto	As per Bidder's design. Bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				50% over H.264.Please include H.265	that RFQ cum RFP requirements are met as a minimum.
773.	RFP Vol II, 3.3 Dome camera specification, DM05	232	Autofocus, P- IRIS 3-9 mm , F1., remote zoom and focus, IR corrected	This is OEM specific standard lens size is from 4-9mm. Please allow healthy competition. Lens should be motorized varifocal	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
774.	RFP Vol II, 3.3 Dome camera specification, DM09	232	True WDR upto 90 DB	WDR should be 120dB as standard oems have product upto 120dB. This gives better image in contrast lighting conditions	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as a minimum.
775.	Volume II Annexure 9: Aurangabad Citizen Mobile Application and Website	280		Scope mentioned in the RFP is very open ended. Request you mention detailed scope of mobile app and web portal.	RFQ cum RFP Prevails.
776.	Volume II/Annexure 10-Locations	284	Locations for CCTV Cameras, Digital Displays, Wi-Fi, Smart Bus Stops	Please share the geo-coordinates of these locations to map with ISPs fibre location point. This is a critical point in Network Backbone	RFQ cum RFP Prevails.
777.	Volume II/Annexure 12: Indicative Design	315	Sampe Designs	Request ASCDCL to share better resolution designs of all the designs (<u>Esp. smart bus stops</u>) so that they can be used as reference.	RFQ cum RFP Prevails.
778.	RFP Vol II, 12.6 Control and command centre	324	Layout Plan for Control and Command Centre at Police	Layout Plan for Command and Control Center at AMC is not shared. Requesting ASCDCL to kindly provide the Audocat file of the Command and Control Center as this is required to calculate the civil infra BOM	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					met as a minimum.
779.	Volume III 12.2 Payments	20	A. Phase 1: Advance, T+1, 10% of the contract Value	Phase 1: Advance, T+1, 15% of the contract Value. Based on the scale of the project, 15% advance would be required for mobilisation	RFQ cum RFP Prevails.
780.	Volume III 12.2 Payments	20	A. Phase 1: Upon finalization of SRS, FRS & SDD of each component: 10% of contract value of each component	Upon finalization of SRS, FRS & SDD of each component: 15% of contract value of each component: Based on the scale of the project, 15% during this phase would be required	RFQ cum RFP Prevails.
781.	Volume III 12.2 Payments	20	B. Phase 2: Supply, Installation and Integration: 25% of contract value and paid on completion and Go Live of each component	Supply, Installation and Integration: 30% of contract value and paid on completion and Go Live of each component Based on BoQ, 30% payment would be needed for SITC of all the materials in the BoQ	RFQ cum RFP Prevails.
782.	Volume III 12.2 Payments	20	C. Phase 3: Field Testing and Go Alive – All Components; 25% Total Contract Value	C. Phase 3: Field Testing and Go Alive – All Components; 30% Total Contract Value Till Phase 3, Most of the milestones would be achieved	RFQ cum RFP Prevails.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
783.	Volume III 12.2 Payments	20	D. Phase IV Operations & Maintenance for 60 months from the date of Go Live: 30% of Contract Value in equal quarterly instalments	D. Phase IV Operations & Maintenance for 60 months from the date of Go Live: 10% of Contract Value in equal quarterly instalments Based on Smart City RFPs, 90:10 is the current ratio for Capex. Opex Payment	RFQ cum RFP Prevails.
784.	Volume III 13 Intellectual Property Rights	21	13.1 Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.	MSI cannot transfer All worldwide Technology and intellectual property and proprietary rights of the Software. Only the IP of customised software can be transferred	RFQ cum RFP Prevails.
785.	General	General	DG	Sizing of DG at DC, DR. CCC & OCC (KVA?)	As per Bidder's design. Bidder to ensure that RFQ

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					cum RFP requirements are met as a minimum.
786.	General	General	UPS	Sizing of DG at DC, DR. CCC & OCC (KVA?)	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.
787.	Volume II/ 3.2 Box camera specification FIXBOX 6	229	Triple Stream of H.264 Main profile & 1 Stream of Motion JPEG	Please include 1 stream for H.265 and 2 streams of H.264 & 1 stream of MJPEG. H.265 stream can be used for recording and hence lessen storage.	As per Bidder's design. Bidder to ensure that RFQ cum RFP requirements are met as a minimum.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
788.	Recommendations		Power Supply	Dual Redundant and Hot Swappable Power Supply. This should be built inside the cube for fail safe operation. Power supplies extended or kept outside the cube are not acceptable	RFQ cum RFP Prevails
789.	Recommendations		Cube Depth	Total Cube depth including screen module should be less than 450 mm or lower	RFQ cum RFP Prevails
790.	New Point		Solution should support Filtering on Collection, Log Management.	<ul style="list-style-type: none"> SIEM's log collection solution should have an option to filter or choose logs at collection layer to govern flexibility to forward security related events and filter for example ARP notifications from switches, routers etc...as they increase the EPS; which in-turn bring an impact log size and required storage + server cost significantly. On an average filtering can help reduce the logs to up-to 30% and is recommended as these logs are 	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				of not any signification value from security incident monitoring perspective. Also Filtering should be available on the Log Management Layer.	
791.			Proposed solution should support bandwidth throttling on Collection layer.	The vendor's product must provide the ability to limit bandwidth used for transmitting event data from remote sites. This is very important feature as this may cause congestion when there is link failure and collectors send all the log data at one shot.	RFQ cum RFP Prevails
792.			Caching at collection layer with multi-destination log forwarding (full redundancy)	It is very important to have caching functionality at collection level, as if there is connectivity/network issues from collection level to next level (log management or co-relation layer) Aurangabad Smart City will not lose logs. Also collection layer should be able to forward logs to multiple destinations(minimum 4) this	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				will help Aurangabad Smart City to forward logs to other locations (full redundancy) without any additional configurations.	
793.			Stored logs should be hashed	SIEM should store logs in hashed – NIST compliance and no modification should be allowed by the SIEM. This help during audits or fraud investigations to confirm that data is not tempered by SIEM Admin managing/running the set-up.	RFQ cum RFP Prevails
794.			The proposed solution support Super Indexing & Google like Bloom Filters for Needle-in-the-Haystack Queries of both Online and Archived Data?	This is very important feature if Aurangabad Smart City is looking for super fast quick results on the search queries. Only Google kind of search will help Aurangabad Smart City to find real incidents in billions of events. Request Aurangabad Smart City to make this mandatory for Aurangabad Smart Citys benefit	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
795.			Proposed Solution should have physical segregation of roles of Collector, Log Management and Correlation layer with some enhanced features of Log Management layer. Log Management solution should have separate UI for searching, reporting, basic dashboards etc even if Correlation layer is down or not available. i.e. Logs should be available for audit even if correlation is down.	This is very important feature as Correlation Layer is not available still Aurangabad Smart City can do collect logs, quick and fast search events, compliance reports etc. The searching should have google like search.	RFQ cum RFP Prevails
796.			Proposed Solution should support forwarding of logs(raw or normalized) to any third party solution or		RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			to any big data platform like hadoop		
797.			No events are lost during any disaster or disruption to either the network or the appliances proposed at the collection layer.		RFQ cum RFP Prevails
798.			SIEM should handle data burst/beyond peak EPS and should not drop logs		RFQ cum RFP Prevails
799.			The system shall be capable of providing Access Point groups with the highest quality network resource allocation by analysing the past 24 hours of RF network statistics, and proactively optimizing	This is specific to a vendor, change to--> 'The System should optimize RF performance level with background scanning and select best possible channel	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			the network for the next day.		
800.		Adherence and Reference Documents	The <u>work environment</u> plays a vital role in the operations of a control room as aesthetically superior environment enhances the performance. An aesthetically superior environment not only adds substance to the surroundings but also to the <u>conduct and the body language</u> of the individuals working into it please refer the norms attached herewith to ensure quality product.		No Change
801.	New Clause	Proposed EMS/NMS solution must be ISO 27001 certified to ensure	EMS must be certified on security compliance ISO 27001 to have better security standard		No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		security compliances			
802.		Proposed EMS/NMS solution must be among the top 10 market share vendors globally. Substantiate with the relevant document/report.			No Change
803.		Probable OEM should have their RnD group based out in India.			No Change
804.		Probable OEM technical support group			No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		should be based in different countries covering multiple time zones including India.			
805.		Probable OEM should have their sales and implementation services running within the same origination.			No Change
806.		Scalability – The system should be capable of supporting at least 100			No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
		thousand network flow per second on single server with capability to capture each unique traffic conversations			
807.		The Solution shall be distributed, scalable, and multiplatform and open to third party integration such as Cloud, Virtualization, Database, Web Server, Application Server platforms etc.			No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
808.			All the required modules should be from same OEM and should be tightly integrated for single pane of glass view of enterprise monitoring		No Change
809.	Volume I/ 2.8. Earnest Money Deposit (EMD)	9	This Earnest Money Deposit shall be thorough e-procurement portal and to be paid online only.	Request you to allow the EMD to be paid as Bank Guarantee and Bidders shall enter the details of the BG and upload the same along with the bid submission.	No change
810.	Volume III/ 43.6.1. Implementation phase related performance levels	42	Delay between 15 to 30 calendar days = 0.5% of the contract value Delay beyond 30 days may lead to Termination of the	We understand that Bidder shall be responsible for the successful execution of the projects adhering to the timelines. Hence, we request you to delete the clause. Kindly Confirm.	No change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Contract at the discretion of ASCDCL		
811.	Volume I Instructions to Bidders 3.7. Technical Bid Criteria & Evaluation	32	A.1 Bidders competence executing large ICT projects Bidder (Lead Bidder in case of Consortium) should have experience in executed ICT projects worth at least INR 60 Crore.	Request you to amend the clause as below: A.1 Bidders competence executing large ICT projects Bidder (Lead Bidder in case of Consortium) should have experience in executed ICT projects worth at least INR 100 Crore. Project Cost % of Max Marks Allotted More than INR 500 crore 100 % More than INR 250 to 500 crore 75 % INR 100 to 250 crore 50 %	No Change
812.	Volume I Instructions to Bidders 3.7. Technical Bid Criteria & Evaluation	32	A.2 Competence based on similar nature of project completed Bidder (any consortium member) should have experience in executing	Request you to amend the clause as below: A.2 Competence based on similar nature of project completed Bidder (any consortium member) should have	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			projects of similar scope	experience in executing projects of similar scope Number of Projects % of Max Marks Allotted >= 5 100 % = 4 75 % = 3 50 %	
813.	Volume I Instructions to Bidders 3.7. Technical Bid Criteria & Evaluation	32	A.3 Bidders competence executing – Bus Stops / Digital Kiosks / Digital Displays. Bidder (any consortium member) should have experience in executing a project that entails design & build of Smart Bus Stops/ Digital Kiosks/ Digital Displays	Request you to amend the clause as below: A.3 Bidders competence executing – Bus Stops / Digital Kiosks / Digital Displays. Bidder (any consortium member) should have experience in executing a project with any of the following: 1. Smart Bus Stops (GPS & PIS) or 2. Kiosks or 3. Variable Message Display / Digital Display 4. Adaptive traffic Signals Management for at least 10 signals Number of Projects % of Max Marks Allotted >=3 100 % =2	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				75 % =1 50 %	
814.	Volume I Instructions to Bidders 3.7. Technical Bid Criteria & Evaluation	33	A.4 Bidders competence executing – City Operations Center (COC) / Common Command , Control Center (CCC) Bidder (any consortium member) should have experience in executing a project that entails operationalization of COC /CCC	Request you to amend the clause as below: A.4 Bidders competence executing – City Operations Center (COC) / Common Command , Control Center (CCC) Bidder (any consortium member) should have experience in executing a project of value more than INR 100 crores that entails operationalization of COC /CCC	No change
815.	Volume I/ 3.7. Technical Bid Criteria & Evaluation	33	A.5 Bidder (any consortium member) should have experience in executing project on Biometric Attendance System	We understand that " Biometric Attendance system " includes Access Control System. Kindly Confirm.	Refer Corrigendum Sr. No 4.
816.	Volume I/ 3.7. Technical Bid Criteria & Evaluation	33	A.6 Bidder (any consortium member) should have experience in executing project in	We request you to amend the clause as below, "Bidder (any consortium member) should have experience in executing project	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			development of Portal and Mobile App	in development of Portal OR Mobile App"	
817.	Volume I/ 3.8. Technical Presentation and Proof of concept during evaluation period	36	Evaluation Criteria details: Review of Proposed Manpower	Request you to remove the clause	No Change
818.	Volume I/ 2.15. Bid Price	24	2.15. Bid Price: Commercial Bid shall be as per the format provided in Annexure 6. Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of direct transaction between ASCDCL and the Bidder	However in case of any statutory changes in taxes or rates i.e. GST, Custom duties, levies etc shall be on account of Authority. Kindly Confirm.	Refer Addendum Sr. No. 1&2
819.	Volume I Instruction to Bidders 3.9. Key Personnel Criteria	37	1. Project Director Education: Full Time MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute	Request you to amend the clause as below: "Education: MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute"	Accepted

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
820.	Volume I Instruction to Bidders 3.9. Key Personnel Criteria	37	2. Project Manager Education: Full Time MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute	Request you to amend the clause as below: "Education: MBA/MCA/M.Tech & B.Tech/B.E. from a reputed institute"	Accepted
821.	Volume I Instruction to Bidders 3.9. Key Personnel Criteria	37	3. Solution Architect Education: Full time MCA/M.Tech/B.Tech/B.E. from a reputed institute	Request you to amend the clause as below: Education: MCA/M.Tech/B.Tech/B.E. from a reputed institute	Accepted
822.	Volume I Instruction to Bidders 3.9. Key Personnel Criteria	37	4. Enterprise Architect/ IOT Expert Education: Full time MCA/M.Tech/B.Tech/B.E. from a reputed institute	Request you to amend the clause as below: Education: MCA/M.Tech/B.Tech/B.E. from a reputed institute	Accepted
823.	Volume I Instruction to Bidders 3.9. Key Personnel Criteria	37	5. Command Centre Expert Education: Full time MCA/M.Tech/B.Tech/B.E. from a reputed institute	Request you to amend the clause as below: Education: MCA/M.Tech/B.Tech/B.E. from a reputed institute	Accepted
824.	Volume I Instruction to Bidders	37	6. Network Architect Education: Full time	Request you to amend the clause as below:	Accepted

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	3.9. Key Personnel Criteria		MCA/M.Tech/B.Tech/B.E. from a reputed institute	Education: MCA/M.Tech/B.Tech/B.E. from a reputed institute	
825.	Volume I Instruction to Bidders 4.4. Warranty, Maintenance & Technology Refresh Cycle	40	g) The successful bidder shall undertake a phased refresh of the electronic components between 3rd and 4th year of the O&M contract.	All the components quoted in the bid would come with a 5 year warranty. Hence request you to remove this clause.	Refer Corrigendum Sr. No 5.
826.	NA	NA	New Clause Proposed	In order to have better working capital for the project we propose an Assignment clause as below to be included in the Payment Schedule, which shall allow us to factor the bill with financing institution, and therefore enable us to participate in the Tender. Assignment Clause (new Clause proposed) : “The Contractor shall not, without the express prior written consent of the Employer, assign to any third party the Contract or any part	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>thereof, or any right, benefit, obligation or interest therein or there under, except that the Contractor shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract to any Financial Institution(s) or Bank(s) or NBFC(s). In the event the Contractor assigns the monies due and payable to it or that may become due and payable to it, under the Contract, to any Financial Institution(s) or Bank(s) or NBFC(s), the Employer shall acknowledge the intimation letter it may receive from such financial institution(s) or Bank(s) or NBFC (s). If the Employer does not reply within 15 days of the receipt of the intimation letter, it can be considered as “acknowledged by the Employer”. Furthermore the Employer will provide an</p>	

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				indicative date by when the funds will be released to the Contractor as a measure of comfort for the decisions of Financial Institution(s) or Bank(s) or NBFC(s)".	
827.	Volume I Instructions to Bidders 2.30. Eligible Goods and Services and OEM Criteria:	21	The Bidder shall quote only one specific make and model from only one specific OEM, for each of the goods. Providing more than one option shall not be allowed. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer	As a System Integrator, We are responsible to meet the technical specification and SLA levels for the entire technical Solution. In this regard we propose multiple makes which are technically equivalent and would meet RFP requirements. This will help the SI to offer a very competitive price to the customer by taking aggressive risks on their costs, which will totally benefit the customer. If only one make is insisted the vendor does not support the Si in times and therefore the costs go up considerably. For your Kind information, in almost all of the government contracts there is a list of	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			document by the Bidder.	<p>Compendium of Suppliers approved for each of their item required for the Project. This list is made part of the contract. During execution of the contract, the SI/Contractor shall have to supply materials of makes/vendors who are in that list only.</p> <p>Alternatively, we request you to allow to offer two makes till the time of PoC. During PoC, Bidder shall commit single make.</p> <p>Hence we request you to kindly accept the same.</p>	
828.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	29	As on date of the submission of the proposal, the bidder and the consortium members should not be black listed by any Government body globally.	We request you to amend the clause as below: "The sole bidder OR the Lead bidder or Subsidiary of lead bidder and each of the member of the Consortium, subcontractor and OEMs should not be blacklisted by any Central / State Government Department or Central/State Public Sector	Refer Corrigendum Sr. No 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Units (PSUs) in India as on the bid submission date"	
829.	Volume III: Master service agreement 28. Liquidated Damages	31	28.1. If MSI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, ASCDCL without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.	We request you to amend the clause as below: 28.1. If MSI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, ASCDCL without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof from undelivered portion of contract value for a milestone/quarter.	No Change
830.	Volume III: Master service agreement 8. Approvals and Required Consents	10	8.1. ASCDCL shall extend necessary support to MSI to obtain, maintain and observe all relevant and customary	We understand that if in event of delay from obtaining approvals, the same shall be considered by ASCDCL and successive timelines shall be amended. Kindly Confirm.	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			regulatory and governmental licenses, clearances and applicable approvals (hereinafter the “Approvals”) necessary for MSI to provide the Services. The costs of such Approvals shall be borne by MSI. Both parties shall give each other all co-operation and information reasonably.		
831.	Volume III: Master service agreement 8. Approvals and Required Consents	10	8.1. ASCDCL shall extend necessary support to MSI to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the “Approvals”) necessary for MSI to provide the Services. The costs of	We understand that Re-Instatement is in the scope of the bidder. In Price Component of CAPEX and Price Component of OPEX the provision for Re-Instatement is not mentioned. Kindly provide the same. We understand that if in event of delay beyond the control of the bidder from obtaining approvals, the same shall be considered by ASCDCL and	RFQ cum RFP is clear

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			such Approvals shall be borne by MSI. Both parties shall give each other all co-operation and information reasonably.	successive timelines shall be amended. Kindly Confirm.	
832.	Volume III: Master service agreement 10.27. Start of Installation	15	10.27.2. As per TRAI guidelines, resale of bandwidth connectivity is not allowed. In such a case, tripartite agreement should be formed between ASCDCL, selected Bidder and Internet Service Provider(s).	We understand that bidder cannot resale bandwidth until he has TSP/ISP License. Hence we request you that bidder shall only estimate the requirement of Bandwidth for components within their scope of work. So kindly add the clause as below " Prices for bandwidth need not be quoted by the Bidders and shall not be considered for Bid evaluation". Kindly Confirm.	RFQ cum RFP Prevails
833.	Volume II Scope of Work 1.2. Other Requirements	21	MSI shall directly interact with electricity boards for provision of mains power supply at all desired locations for any Field Infrastructure solution. ASCDCL shall	We understand that we can add additional item under the heads in the commercial bids and quote for electricity requirement for Junctions in CAPEX. Kindly confirm.	Refer Corrigendum Sr. No 6.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<p>facilitate, if any documentation is required from its side. MSI shall be responsible for provisioning of requisite electricity power and its recurring charges (during operational phase). MSI may provision the same under appropriate heads in the commercial bid.</p>		
834.	<p>Volume II Scope of Work 1.2. Other Requirements</p>	21	<p>MSI shall directly interact with electricity boards for provision of mains power supply at all desired locations for any Field Infrastructure solution. ASCDCL shall facilitate, if any documentation is required from its side. MSI shall be responsible for provisioning of requisite electricity</p>	<p>We understand that for OCC, CCC and DC bidder has to extend the power cable to the nearest power source and there is no requirement of transformer. Kindly confirm.</p>	<p>NO. If transformer required, all cost borne by the bidder shall be reimbursed.</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			power and its recurring charges (during operational phase). MSI may provision the same under appropriate heads in the commercial bid.		
835.	Volume II Scope of Work 1. Project Overview, Brief Scope of Work and Technical Architecture Requirements	14	UAT & Go live.	We understand that user acceptance test shall be conducted on 5% of randomly selected assemblies of all equipment to be supplied.	RFQ cum RFP Prevails
836.	Volume II Scope of Work 5.3. Phase III – T + 9 months	132	C Phase III: Field Testing & Go Alive	Request you to kindly define the use cases for successful Go Alive.	Applicable Use cases as per Annexure 11
837.	Volume II Scope of Work 2.11. COMPONENT 11: Integration and Common Components	121	2.11. COMPONENT 11: Integration and Common Components	Request you to amend the clause as below, § E-Governance System integrated with Citizen App § Smart LED Lighting – Integrated with OCC	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>§ GIS mapping for Aurangabad City across all components</p> <p>§ Smart Bus management system(ITS) and smart bus stop</p> <p>§ Wi-fi hot spot</p> <p>§ Vehicle tracking system for all solid waste management, ambulance or any other multiple services vehicle</p> <p>§ Surveillance of city cameras</p> <p>§ Kiosk interface and management</p> <p>§ Any other system ASCDCL want to intergrate</p> <p>Kindly share the details of the existing systems for seamless integration.</p>	
838.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	28	<p>§ Audited financial statement for last 3 audited years</p> <p>§ Certificate from the Statutory Auditor on turnover details from the “specific business areas” over the last three (3) financial years</p>	<p>We request you to amend the clause as below:</p> <p>§ Audited financial statement for last 3 audited years</p> <p>§ Certificate from the Statutory Auditor or Chartered Accountant on turnover details from the “specific business areas” over the last three (3) financial years</p>	<p>Certificate from the Statutory Auditor /Chartered Accountant will be accepted but Bidder</p>

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					need to comply with audited Balance sheet
839.	Volume I Instructions to Bidders 3.5. Pre- Qualification Criteria	29	Certificate from the statutory auditor/ Company secretary clearly specifying the Net worth for ICT projects for the specified year to be provided.	We request you to amend the clause as below: Certificate from the statutory auditor or Company secretary or Chartered Accountant clearly specifying the Net worth for ICT projects for the specified year to be provided.	Certificate from the Statutory Auditor /Chartered Accountant will be accepted but Bidder need to comply with audited Balance sheet

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
840.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	29	B) The sole Bidder or any of the Consortium partners responsible for the pertinent contribution shall possess CMMi process level 3 or above certification.	As this Certification is related to Software Development Firm and not for Master System Integrators, We request you to delete the clause. B) The sole Bidder or any of the Consortium partners responsible for the pertinent contribution shall possess CMMi process level 3 or above certification.	RFQ cum RFP Prevails
841.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	30	Sole Bidder or any of the consortium member should have experience in implementing the following sectors having a minimum value of INR 5 Crs per project (excluding civil works) during last 7 years § CCTV based Surveillance System § City Operation Command Centre /	Request you to amend the clause as below: Sole Bidder or any of the consortium member should have experience in implementing at least two of the following sectors having a minimum value of INR 5 Crs of project (excluding civil works) during last 7 years § CCTV based Surveillance System § City Operation Command Centre / Control and Command Centre § Adaptive traffic control System	No change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Control and Command Centre	for atleast 10 junctions in one project	
842.	Volume I Instructions to Bidders 2.29. Inclusion of MSMEs in Project Delivery	21	One MSME with relevant skills is mandatory as part of the consortium.	Request you to amend the clause as below: "One MSME with relevant skills is mandatory as a "exclusive sub-contractor."	Refer Corrigendum Sr.No 1.
843.	Volume I Instructions to Bidders 3.7. Technical Bid Criteria & Evaluation	32	Supporting Documents Required. Relevant Client Certificate	We understand that Copies of Letter of Intent or Letter of Acceptance or Contract Agreement or Self Certificate or Work Order or Work Completion certificate by Client Entity (on Client Entity letterhead if any) and other relevant documents clearly highlighting the Scope of Work, Bill of Material and Value of Contract shall be submitted as relevant client certificates. Kindly Confirm. In case of ongoing projects self certificate from bidders authorized signatory along with LOI or LOA or Work Order or	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				Contract Agreement highlighting the scope of work shall be submitted.	
844.	Volume I Instructions to Bidders 2.2 Pre- Qualification Bid Covering Letter	43	a. We hereby acknowledge and unconditionally accept that the ASCDCL can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFQ CUM RFP and related documents, in short listing of Agency for providing services.	a. We hereby acknowledge and unconditionally accept that the ASCDCL can at its absolute discretion apply whatever criteria it deems appropriate with prior notification to bidder , not just limiting to those criteria set out in the RFQ CUM RFP and related documents, in short listing of Agency for providing services.	No Change
845.	Volume I Instructions to Bidders 6.2 Price component for CAPEX:	84	E.2 Smart BUS Stops	We understand that Smart Bus Stops have to be designed and constructed at 57 locations by MSI. The cost for the same shall be quoted in the line item E.2 Smart BUS Stops. Kindly Confirm.	Refer Addendum Sr. No. 5
846.	Volume I Instructions to Bidders	16	ASCDCL is going to innovate on the project by using Smart Bus	Bidders shall submit the design of the bustop as part of their technical solution. However	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	2.23. Concept Design of Smart Bus Stops		Stops as the most visible element of the Smart City Project. Component 6 of the RFQ CUM RFP encourages Bidder to provide Three (3) designs of Smart Bus Stops. ASCDCL reserves the right to use any of the designs from any of the submitted bids and get it implemented through the overall winning Bidder. The winning Bidder will have to get into a commercial arrangement (that is mutually acceptable) with the owner of the IP of the chosen design.	Request you to not include the cost of design and build of busstop in the evaluation and shall be over and above the contract value. This shall enable bidders to provide most optimum design. Kindly confirm.	
847.	Volume II Scope of Work 1. Project Overview, Brief Scope of Work and Technical	12	· MSI shall install Smart Bus Stops with Digital signage, Solar PV panel, Passenger Information System	Request you to elaborate the scope and provide layout of the typical bus stop including landscape area to enable	As per bidder solution, bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Architecture Requirements		(PIS), Wi-Fi spots, CCTV camera, mobile charging station, etc. including landscaping the area around the smart bus stops	bidders to make an optimum design	that all the RFQ cum RFP requirements are met as minimum.
848.	Volume II Scope of Work 1. Project Overview, Brief Scope of Work and Technical Architecture Requirements	12	· MSI shall setup Data Centre, Disaster Recovery Centre & Data Backup storage facility	We understand that building is readily available for OCC and data center is located at OCC in same premise. Only Interiors shall be part of bidder scope. Kindly share location and area of data center and OCC. Also request you to elaborate on Interior works to be carried out by Bidder.	Refer Addendum Sr. No. 4
849.	Volume II Scope of Work 1. Project Overview, Brief Scope of Work and Technical Architecture Requirements	11	Command and Control Centre (CCC) for Police shall be the nerve centre of City Surveillance, Traffic Management and Enforcement system.	We understand that building is readily available for Command and Control Centre (CCC) for Police. Only Interior shall be part of bidder scope. Kindly share location and area of command and control center for police.	Yes building will be provided with interior. workRFQ cum RFP Prevailsloc

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					ation will be shared with successful bidder
850.	Volume II Scope of Work 1.2. Other Requirements – Point Number xxxiv.	23	All project associated costs related to electricity (including one-time connection cost, meter cost and recurring electricity usage costs) for field equipment, CCC, OCC, data center etc. shall be borne by the MSI. All necessary coordination for electricity related connections shall also be under the scope of MSI. However, MSI shall bury cost of electricity in their commercial bid. GPS subscription charges of 100 buses in O & M	We request you to amend the caluse as below All project associated costs related to electricity (including one-time connection cost, meter cost and recurring electricity usage costs) for field equipment, CCC, OCC, data center etc. shall be borne by the ASCDCL. All necessary coordination for electricity related connections shall also be under the scope of MSI. However, MSI shall bury cost of electricity in their commercial bid. GPS subscription charges of 100 buses in O & M period shall be part of Bidders commercial Bid.	Refer Corrigendum Sr. No 7.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			period shall be part of their commercial Bid.		
851.	Volume I Instructions to Bidders 6.3 Price Component for Opex	91	31. One Time DR Migration Cost	Please elaborate on the scope of DR Migration	Refer Addendum Sr. No. 4
852.	Volume I Instructions to Bidders 3.4 Evaluation Process Stage 2: Technical Evaluation	26	e) The project experience of named OEM Vendors can be used by Lead Bidder or Consortium members however the OEM cannot be changed during the contract.	We understand that project experience shall be used by Lead Bidder or Consortium members as per clause 3.7 Technical Bid Criteria & Evaluation (Vol I, pg 32) which is contradictory to clause 3.4 Evaluation Process. Request you to delete this clause.	Refer Corrigendum Sr. No 2.
853.	Volume II / 2.3. COMPONENT	45	a) MSI should inspect the location and factor in amount of work needed to build OCC in the bid document. MSI should provide a universal dashboard to view all applications in a consolidated manner on GIS map provided	What is the scale of the map available with ASCDCL. How many department layers are present in the map. Does the data model is defined to create the unified view.	As per bidder solution, MSI is responsible for supplying latest map

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			by ASCDCL and also general KPI View. b) MSI should be able to provide Unified view for each Departments on GIS map provided by ASCDCL and general KPI views.		
854.	Volume II / 2.11. COMPONENT 11 / B.Scope of work	121	MSI shall be responsible for providing GIS map of Aurangabadcity which shall be a common platform across all solutions including City Wi-Fi, City Surveillance, Smart Bus Stop & Smart Transport, ICT enabled SWM, etc.	Is MSI responsible for supplying the GIS map? If yes pls provide the AOI in sqkm, map scale, accuracy level and data model.	As per bidder solution, MSI is responsible for supplying latest map
855.	Volume II / 2.11. COMPONENT 11 / C. Solution Requirement	123	GIS base maps shall be installed on work stations at Command Control Centre and City Operation Centre. GIS maps and data replication shall	GIS maps can only be published, it cannot be installed in the work stations. Request to change the requirement accordingly.	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			happen from central system remotely.		requirements are met as minimum.
856.	Volume II / 6. Bill of Quantities (BOQ) / 6.1. Command Control Center	133	GIS Software with License - 1 set	Pls provide the license requirement for Desktop & Enterprise GIS.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
857.	Volume II / 6. Bill of Quantities (BOQ) / 6.3. Operation Command Center	136	GIS Software with License - 1 set	Pls provide the license requirement for Desktop & Enterprise GIS.	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					requirements are met as minimum.
858.	Volume I - 6.2 Price component for CAPEX:	64	A.15 City Operations Platform – IoT Platform/Data Normalization software & City Operation Centre Software C.32 City Operations Platform – IoT Platform/Data Normalization software & City Operation Centre Software	Kindly clarify the number of license for City Operation center software	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
859.	Volume II - 1.1.1	16	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users	1000 users for DC and DR is too high, please reconsider. These users means the staff of DC/DR actually working on the system software and not the citizens who will be working on the citizens portal. We recommend to consider revising it to 100	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				which can be expanded further in future. Even on page 33 it is indicated that CCC will have 20 operators.	requirements are met as minimum.
860.	Volume II - 5.1 Bus Stop Specifications	245	BUS.022 : Smart Infrastructure: Solar panels	Solar Panels are asked as a part of bus stop specifications but it's not mentioned in the BoQ. Please clarify if to be provide by MSI or not.	Refer Addendum Sr. No.5
861.	Volume II - 2.9- Scope	108	To supply, install, configure, commission and maintain the RFID readers and RFID Tags in SWM vehicles and Container Bins.	RFID tags for bins are asked as part of scope but no mention of the same in BoQ. Please clarify whether to be provided by MSI or not.	PL ref BOQ 6.6 sr.nos 3
862.	Volume I - 6.2 Price component for CAPEX:	64	A.15 City Operations Platform – IoT Platform/Data Normalization software & City Operation Centre Software C.32 City Operations	Kindly clarify the number of license for City Operation center software	As per bidder solution, bidder to ensure that all the RFQ cum RFP requireme

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Platform – IoT Platform/Data Normalization software & City Operation Centre Software		nts are met as minimum.
863.	Volume II - 1.1.1	16	The data centre/ Disaster Recovery Centre infrastructure shall be capable of serving at least 1000 concurrent users	1000 users for DC and DR is too high, please reconsider. These users means the staff of DC/DR actually working on the system software and not the citizens who will be working on the citizens portal. We recommend to consider revising it to 100 which can be expanded further in future. Even on page 33 it is indicated that CCC will have 20 operators.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
864.	Volume II, Annexure 11, Uses Cases	300	Annexure 11 Use Cases Serial No. 3, Column No. 2 CCC Integration and Supported Functionality Video System Functionalities :- System Communication Connect and	Does this mentioned functionality of City Surveillance need to do through CCC / IOP or City Surveillance System - VMS (Video Management Software)	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			authenticate Connect/disconnect status detection Sensor State Display Alarm Failure Tamper Outputs/inputs Dry contacts Relay outputs Video Capabilities Live video Playback recorded video Playback recorded audio (depends on sub-system)Export live video Export live audio (depends on subsystem)Export recorded video Export recorded audio (depends on sub-system)Start/stop recording/preset Live video\audio in external monitor (depends on subsystem)Snapshot (depends on subsystem)OSD parameters Virtual		nts are met as minimum

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			tours Virtual tours discovery Layout discovery (depends on sub-system) External monitors discovery Sensors discovery Video favourites discovery PTZ identification discovery Camera		
865.	Vol 1 / Bill of Material	75	Backup software	Kindly mention the capacity of back up license	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum
866.	Vol 1 / Bill of Material	80	H. Digital Outdoor Display and Kiosk	Kindly include the L2 PoE switches for connecting the Kiosk	As per bidder solution, bidder to ensure

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
					that all the RFQ cum RFP requirements are met as minimum
867.	Volume II Scope of Work Annexure 13: Indicative length of City Network Backbone	332	Annexure 13: Indicative length of City Network Backbone Details on City Network Backbone	We understand that only MSI shall use the services from ISP and the details to be mentioned in annexure 13 shall not be required. Hence request you to remove Annexure 13, 14 and 15.	Accepted
868.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	29	As on date of submission of the proposal, the bidder and the consortium members should not be black-listed by any govt. body globally.	Request you to amend the clause as below The sole bidder OR the Lead bidder or Subsidiary of lead bidder and each of the member of the Consortium, subcontractor and OEMs should not be blacklisted by any Central / State Government Department or Central/State Public Sector Units (PSUs) in India as on the bid submission date	Refer Corrigendum Sr. No 3.

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
869.	Volume 3: Master Service agreement	41	<p>43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.</p> <p>43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.</p>	<p>Request you to amend the clause as below "43.3. Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter.</p> <p>43.4. Three consecutive quarterly deductions of 10% of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.</p>	No Change
870.	Volume II, 6. Bill of Quantities (BOQ) 6.1. Command Control Center	133	<p>CCTV camera - As Required</p> <p>Server Room: Indoor CCTV Cameras would be required to</p>	Kindly specify how many dome cameras to be considered in CCC and OCC.	As per bidder solution, bidder to ensure that all the

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	2.2. COMPONENT 2: Command Control Centre (CCC) for Police C. Solution Requirements		be installed to monitor the physical access of the system from remote location		RFQ cum RFP requirements are met as minimum.
871.	Volume II, 2.2. COMPONENT 2: Command Control Centre (CCC) for Police C. Solution Requirements	42	Minimum 30 days data backup of video feeds and transaction data for minimum 90 days shall be stored on the storage within the Server Room infrastructure. Video Data and event data for at least 365 days shall be stored as back up on tape.	Kindly clarify what type of data we need to consider as part of tape library. Kindly confirm whether it is only flagged data.	Confirmed. Only flagged Data
872.	Volume II, 3.3 (Video Management Software) Clause No. VMS.013	231	VMS shall Attribute base search on at least 30% of cameras to search the person on the basis of attribute like gender, type and colour of clothes and image of person from the CCTV feeds and	In page no. 66 part of video management software its mentioned same requirement on 50% of cameras please clarify these functionality required for 30% of cameras or 50% of cameras.	Confirmed Functionality required for 50% of camera

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			should able to run on multiple cameras to track the person		
873.	Volume II,2.4. COMPONENT 4: CCTV based City Surveillance System	68	§ 600 cameras recording @ 30 days @ HD 1080P @ Mini. 3 Mbps. § 100 Cameras recording @ 30days @ 5MP @ min 8 Mbps.	As per RFP, fixed camera is 5MP cameras which is 600 in quantity. But here only 100 camera is asked to be recorded at 5MP. Kindly clarify	RFQ cum RFP Prevails
874.	Volume II, 2.2. COMPONENT 2: Command Control Centre (CCC) for Police B. Scope of work	35	Both Server Room and cloud DR site shall have built in redundancy and high availability in compute and storage to ensure that there is no single point of failure. There shall be no loss of video recording in a CCC in case of failure of any single server and storage component.	Kindly clarify why high availability and redundancy with respect to compute and storage is required in DC.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
875.	Volume II, B. Scope of work	16	The MSI shall make the provision for high availability for all the services of the system.	Kindly clarify why high availability and redundancy with	As per bidder solution, bidder to

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			Redundancy is to be considered at DC/DR centre components level. The system should be designed to have uptime of 99.99%.	respect to compute and storage is required in DR.	ensure that all the RFQ cum RFP requirements are met as minimum.
876.			Video Analytics Surveillance system shall have capability to deploy intelligent video analytics software on any of the selected fixed cameras. Analytics software shall bring significant benefit to review the incidences and look for suspicious activity in both live video feeds and recorded footages. Minimum video analytics that shall be offered on identified cameras are: „X Presence detection for moving and	Video analytics is possible only for fixed cameras. As per the clause, VA is required only in selected fixed cameras. But in BoQ, VA is asked for all fixed box and PTZ camera(700 Nos) Kindly clarify Kindly define object classification	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			stopped vehicles „X Directional sensitive presence detection „X Congestion Detection „X Loitering detection „X Improper Parking „X Camera Tampering „X Abandoned objects detection „X Unattended object „X Object Classification „X Tripwire/Intrusion „X Person search		
877.	Volume II, 2.2. COMPONENT 2: Command Control Centre (CCC) for Police C. Solution Requirements	66	VMS shall be capable of counting of people and detection of abnormal crowd behaviour: Detection of people flow and counting of people in selected areas. To identify abnormal crowd behaviour and raise alarms to avoid untoward incidences in public places, and	Using VCA, the mentioned functionality cannot be achieved. Kindly elaborate the clause to fit into VCA solution People count can be achieved using overhead camera with controlled FOV. In normal traffic junction, it is not possible.	RFQ cum RFP Prevails

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			maintaining law & order.		
878.	5.1 Bus Stop Specifications	248	BUS.019 Smart Infrastructure: PTZ Camera Refer to technical specification for PTZ Camera	No BoQ is for Camera in Bus stop. Kindly include the same.	No Change.
879.	2.6. COMPONENT 6: Smart Transport System & Smart Bus Stops	91	Provide people counter for counting the number of people using the bus stop.	Kindly confirm People counter is what kind of solution. It is not there in BoQ.	As per bidder solution, bidder to ensure that all the RFQ cum RFP requirements are met as minimum.
880.	2.9. COMPONENT 9: ICT Enabled Solid Waste Management	77	Cameras: - The cameras should be placed at each transfer station and disposal site to monitor entry and exit of vehicles. The cameras would be used to capture image	As per the clause, camera to be considered in transfer locations and disposal site. Kindly quantify and include the same in BoQ. ANPR capability cant be achieved without ANPR software. Also ANPR camera	As per bidder solution, bidder to ensure that all the RFQ cum RFP

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			of vehicle (with number plate visible) directly in the system at the time of saving record. (ANPR Camera + 4 Port POE Switch + 4 Channel NVR + iVMS Software)	cant capture the image of the vehicle as FOV is limited to number plate. Kindly include (ANPR Camera + 4 Port POE Switch + 4 Channel NVR + iVMS Software) in BoQ	requirements are met as minimum.
881.	Volume I Instructions to Bidders 3.4 Evaluation Process Stage 2: Technical Evaluation	26	e) The project experience of named OEM Vendors can be used by Lead Bidder or Consortium members however the OEM cannot be changed during the contract.	We understand that project experience of Lead Bidder or Consortium members only shall be used for technical evaluation as per clause 3.7 Technical Bid Criteria & Evaluation (Vol I, pg 32) which is contradictory to clause 3.4 Evaluation Process . Request you to delete this clause.	Refer Corrigendum Sr. No 2.
882.	Volume I Instructions to Bidders 3.5. Pre-Qualification Criteria	29	A) The Sole Bidder or the Lead bidder of consortium, in case of a Consortium, should possess any one of the below Certifications which are valid at the time of bidding: ▪ ISO 9001:2008	Request you to amend the clause as below A) The Sole Bidder or the Lead bidder of consortium, in case of a Consortium, should possess any two of the below Certifications which are valid at the time of bidding: ▪ ISO 9001:2008	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
			<ul style="list-style-type: none"> ▪ ISO 20000:2011 for IT ▪ Service Management ▪ ISO 27001:2013 for Information Security Management System Or any other Equivalent Certification B) The sole Bidder or any of the Consortium partners responsible for the pertinent contribution shall possess CMMi process level 3 or above certification.	<ul style="list-style-type: none"> ▪ ISO 20000:2011 for IT ▪ Service Management ▪ ISO 27001:2013 for Information Security Management System ▪ CMMi process level 3 or above certification. 	
883.	Volume 1 Instruction to Bidders 4.5 Failure to Comply with Terms and Conditions of the RFP	40	ASCDCL shall invoke the PBG and/or forfeit the EMD.	Request you to delete the clause	No Change
884.	Volume 1 Instruction to Bidders 2.21.	15	c) In the event of any assumptions, presumptions, key points of discussion, recommendation or	Request you to delete the clause	No Change

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
	Acceptance/Rejection of Bids		any points of similar nature submitted along with the Bid, ASCDCL reserves the right to reject the Bid and forfeit the EMD.		
885.	Volume 1 Instruction to Bidders 2.2 Pre-Qualification Bid Covering Letter	43	a. We hereby acknowledge and unconditionally accept that the ASCDCL can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFQ CUM RFP and related documents, in short listing of Agency for providing services.	Request you to delete the clause	No Change
886.	Volume III Master Service Agreement 3.7 GCC	7	GCC holds precedence over SCC	SCC generally holds precedence over GCC. Please clarify.	Confirmed.
887.	Type	New Clause		Managed Outdoor Industrial grade switch	Refer Addendum Sr. No. 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL					
888.	Total Ports	New Clause		<p>Minimum 8 10/100/TX PoE/PoE+, 2 x 1G Ethernet or fiber SFP ports for Uplink</p> <p>POE ports will be used to connect CAMERA and other Edge level Devices. Uplink port of 1G Ethernet or Fiber port can be used to connect to ISP Network uplink ports</p>	Refer Addendum Sr. No. 3					
889.	Ethernet Port Protection	New Clause		<p>Ethernet port should support 2 kV & above LAN surge protection for extreme outdoor environments</p> <p>This help protecting Etherent Port from any external spike passing through LAN cable</p>	Refer Addendum Sr. No. 3					
890.	Protocols	New Clause		<table border="1"> <tr> <td>IPV4,IPV6</td> </tr> <tr> <td>Support 802.1Q VLAN</td> </tr> <tr> <td>DHCP support</td> </tr> <tr> <td>IGMP</td> </tr> <tr> <td>SNMP Management</td> </tr> </table>	IPV4,IPV6	Support 802.1Q VLAN	DHCP support	IGMP	SNMP Management	Refer Addendum Sr. No. 3
IPV4,IPV6										
Support 802.1Q VLAN										
DHCP support										
IGMP										
SNMP Management										

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				IEEE 1588 PTPv2	
891.	Access Control	New Clause		Support port security: Lock port Support 802.1x (Port based network access control), TACACS, RADIUS Support for MAC filtering	Refer Addendum Sr. No. 3
892.	PoE Power per port	New Clause		Power budget of 240 Watt for total PDs (eg.connected cameras)consumption,Minimum 30 watt per port as per IEEE 802.at standard	Refer Addendum Sr. No. 3
893.	Enclosure Rating	New Clause		Switch should be IP30 rated	Refer Addendum Sr. No. 3
894.	Operating Temperature	New Clause		0 to 60 degC (continuous rating) Ambient temperature in Nashik City may be around 38 deg C during mid-day. Normally the switch is installed in a IP 66 / 67 rated cabinet which does not have additional	Refer Addendum Sr. No. 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL				
				cooling system. Switch itself produces heat during operations. This results in further increase in the temperature inside cabinet and switch hangs. Minimum operating temperature range of industrial grade switch should be considered as 0 to 60 degree to have real Industrial switch as part of project					
895.	Multicast support	New Clause		IGMP Snooping V1, V2, V3	Refer Addendum Sr. No. 3				
896.	Management	New Clause		Switch needs to have RS-232/USB/RJ45 console port for management via a console terminal or PC <table border="1" style="margin-left: 20px;"> <tr><td>Web GUI</td></tr> <tr><td>NTP</td></tr> <tr><td>Syslog for log capturing</td></tr> <tr><td>SNMP V1,V2,V3</td></tr> </table>	Web GUI	NTP	Syslog for log capturing	SNMP V1,V2,V3	Refer Addendum Sr. No. 3
Web GUI									
NTP									
Syslog for log capturing									
SNMP V1,V2,V3									

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
897.	Standards/Approval	New Clause		NEMA TS-2	Refer Addendum Sr. No. 3
				- Shock: IEC 60068-2-27	
				- Vibration: IEC 60068-2-32	
				- ESD: IEC 61000-4-2	
				- Surge: IEC 61000-4-5	
898.	EMS	New Clause		IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: Signal: 10 V IEC 61000-4-8 This standard checks the capability of the Switch to survive repetitive electrical fast transients and bursts. Also Lightning and industrial surges modeled by IEC 61000-4-5.	Refer Addendum Sr. No. 3
899.	EMC	New Clause		EN 55032/24	Refer Addendum Sr. No. 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

SI. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
900.	EMI	New Clause		CISPR 32, FCC Part 15B Class A	Refer Addendum Sr. No. 3
901.	MTBF	New Clause		<p>Should be more than 5,00,000hrs (OEM Should submit Test Report)</p> <p>MTBF is a measure of how reliable a product is. MTBF is usually given in units of hours; the higher the MTBF, the more reliable the product is.</p> <p>For electronic products, it is commonly assumed that during the useful operating life period the parts have constant failure rates, and part failure rates follow an exponential law of distribution.</p>	Refer Addendum Sr. No. 3
902.	OEM Credintial			OEM should be listed among Top 5 of IHS / ARC report OEM or their distributor should have Service /Support network in India since last 5 years OEM should furnish Test Report/Certificate against the Standards/Approval demanded	Refer Addendum Sr. No. 3

Reply to Pre-Bid Queries to the RFQ cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	RFQ CUM RFP Volume / Section	RFQ CUM RFP Page No.	Content in the RFQ CUM RFP	Clarification Sought	Clarification by ASCDCL
				<p>under Sr.NO. 11 to 15 OEM Should have installation base of 5000 Industrial Switches in India since past 10 years</p> <p>1. ARC Advisory Group is the leading technology research and advisory firm for industry. http://www.arcweb.com/</p> <p>2. IMS Research, as the leading provider of market research and consultancy to the global electronics industry.</p> <p>This portfolio is now part of the IHS Technology Industrial & Medical Technologies, Power & Energy, and Information Technology offerings</p>	