

The replies of the prebid queries are as under:

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
1	Volume 1,Section 2.29 Eligible Goods and Services, and OEM Criteria,page 26,Edge Level Switches,Other Switches and routers,Servers.	26	OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC / Similar organization's latest published	Request to modify to : OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC /presence in the Leaders Magic Quadrant by Gartner. Justification : This will ensure that the only the industry's best products/solutions are considered, which will ensure consistency and provide a high degree of reliability in the deployed solution.	Tender Clause Remains unchanged
2	Volume 1,Section 2.29 Eligible Goods and Services, and OEM Criteria		Request addition - Please Include Wireless Controller,Access Points,L2 8-Port Managed Switch,L2 8-Port Managed PoE Switch,IP Phone & IP PBX in the OEM Criteria.	Request to modify to : OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC /presence in the Leaders Magic Quadrant by Gartner. Justification : This will ensure that the only the industry's best products/solutions are considered, which will ensure consistency and provide a high degree of reliability in the deployed solution.	Tender Clause Remains unchanged
3	Volume 2, Section No. 6.8.7. Industrial Grade outdoor PoE switches Technical Specifications, Page No. 173	173	Operating Temperature : 0 – 50 degree C or better	Request to modify the specification as follows: "Operating Temperature : 0 – 65 degree C or better; Operating relative humidity: 10 to 95% (non-condensing)" Justification: The temperature in Vizag during summers will pretty high. The temperature inside the junction box in which this switch will be housed will easily go above 50 C. Also the switch should support operations in humid environments.	Minimum has been specified, bidders free to provide better solution
4	Volume 2, Section No. 6.8.7. Industrial Grade outdoor PoE switches Technical Specifications, Page No. 173	173	Request addition	Request to add following specification: "The switch should be minimum , NEMA-TS2 ,ODVA,Profinet v2.3 and ROHS compliant" Justification: In addition to IP30 rating ,NEMA,ODVA,Profinet v2.3 and ROHS certification is a must for industrial grade switches deployed in the outdoor environment.	Not Accepted
5	Volume 2, Section No. 6.8.7. Industrial Grade outdoor PoE switches Technical Specifications, Page No. 173	173	Request addition	Request to add following specification: "The switch should support DHCP port-based allocation". Justification: This helps retain the IP address on a per port basis and simplifies the end-host replacement in an outdoor setting	Not Accepted
6	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Request addition	Should have atleast 5 x 1 GE ports from day one and support for atleast 3 nos. of 10G interfaces. Justification : The router should have the flexibility to support both 1G and scalability to support multiple 10G interfaces	Not Accepted
7	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Request addition	The Router should support modular OS and simplify the change management through In-Service OS upgrade mechanism. Justification: Since the DC needs to be highly available,the router,which is a key Network Component must have flexibility to accommodate changes with minimal/zero downtime.	Not Accepted

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8	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Request addition	The router must support Operating System (OS) redundancy in 1:1 mode to ensure high-availability of the system. Justification :. The router in the event of failure of any one OS should switchover to the redundant OS without dropping any traffic flow. There should not be any impact on the performance in the event of active processing engine failure.	Not Accepted
9	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Security features : Request Addition	Request to add following specification: "Router should have Zone based Firewall Services with Standard Access Lists, Extended Access Lists and Time based Access lists" Justification: Router is the first line of defence and hence should have security features to prevent the attacks	Not Accepted
10	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Security features : Request Addition	Request to add following specification: "Router / Router's Operating System should be tested and certified for EAL 2 or above or NDPP certified"	Not Accepted
11	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	QoS features : Request Addition	Request to add following specification: "The router should support hierarchical QoS (Inbound and Outbound)" Justification: This will ensure bandwidth allocation for all type of traffic during congestion and non congestion scenario.	Not Accepted
12	Volume 2, Section No. 6.2 .3 Firewall, Page No. 119/120	119 and 120	Protocol: EAP-TLS	Request to remove "Protocol: EAP-TLS" Justification: EAP-TLS is used with 802.1x. Firewall support certificate based authentication of VPN users and does not use EAP protocol, which is essentially a L2 protocol and is used to authenticate users connecting to a switch or a AP against a AAA server and not on Firewalls. Hence we requesting the removal	Tender clause remains unchanged
13	Volume 2, Section No. 6.2 .4, Intrusion Prevention System Page No. 120/121	120 and 121	Should have an aggregate throughput of no less	Request to modify to: "Should have an aggregate throughput of no less than 500Mbps" Justification: Considering current requirement and future, we request to increase the throughput to minimum 500 Mbps"	Minimum has been specified, bidders free to provide better solution
14	Volume 2, Section No. 6.2 .4, Intrusion Prevention System Page No. 120/121	120 and 121	Security Maintenance: IPS should have provision for external bypass Switch	Request to modify to: "Security Maintenance: IPS should have provision for internal bypass Switch" Justification: External bypass switch will introduce another device and hence would increase the MTBF/MTTR causing Network Outages.	Tender clause remains unchanged
15	Volume 2, Section No. 6.9.12. Public Internet access, Network Management System, Page No. 192/193	192 and 193	The NMS should support flexible reporting for inventory, user tracking, compliance, switch port usage and end-of-sale	Request to modify to: The NMS should support flexible monitoring or reporting for inventory, compliance, switch port usage and end-of-sale. Justification : Monitoring clients and users can be done in real time..However detailed reporting on user related data is already available with AAA and billing systems.	Minimum has been specified, bidders free to provide better solution

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16	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed Switch & L2+ 8 Ports Managed PoE Switch ,Page No. 189/190 & Page No 191/192	189/190 and 191/192	Support for Egress rate limiting, Eight egress queues per port, Voice VLAN, DSCP for IP-based QoS, Differentiated services architecture, IEEE 802.1p Class of Service with strict and weighted round Robin scheduling.	Please modify to : Support for Egress rate limiting or shaping, Eight egress queues per port, Voice VLAN, DSCP for IP-based QoS, Differentiated services architecture, IEEE 802.1p Class of Service with strict and weighted round Robin scheduling. Justification : Like rate-limiting,shaping also helps to limit the amount of bandwidth and additionally provides a more even flow of traffic over time and reduces the peaks and valleys of bursty traffic.	Minimum has been specified, bidders free to provide better solution
17	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed Switch & L2+ 8 Ports Managed PoE Switch ,Page No. 189/190 & Page No 191/192	189/190 and 191/192	Support for Telnet server, should have Console management port, Web GUI, Enhanced Stacking, HTML, HTTP, TFTP, zModem, SNMP V3, RMON 4 groups Stats, History, Alarms and Events, Event log, Auto config, MIB, SNTP, sFlow or equivalent.	Request to modify to :Support for Telnet , should have Console management port, Web GUI, Enhanced Stacking, HTML, HTTP, TFTP, zModem or xmodem, SNMP V3, RMON 4 groups Stats, History, Alarms and Events, Event log, Auto config, MIB, SNTP, sFlow or equivalent. Justification : like zmodem,xmodem is also a protocol used to transfer files across serial links,which are supported by most terminal emulators and typically used to transfer files from a PC to a device via..the device console.	Minimum has been specified, bidders free to provide better solution
18	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should support onboard and external DHCP server	The clause to be read as "Should support onboard or external DHCP server" Justification " Fuctionality such as DHCP server as per best practice should be kept separate dedicated server to ensure best services"	Tender clause remains unchanged
19	Volume 2, Section No. 6.9.12.Public Internet access,Access Point,Page No. 189/190/191	189, 190 and 191	AP should have minimum two Auto-sensing Gigabit Ethernet port.	Clause to be read as "AP should have minimum one Auto-sensing Gigabit Ethernet port + additional SFP+ port for direct fiber connection for long distance wire connection".	Minimum has been specified, bidders free to provide better solution
20	Volume 2, Section No. 6.9.12.Public Internet access,Access Point,Page No. 189/190/191	189, 190 and 191	Must support Power over Ethernet.	Clause to be read as "Must support Power over Ethernet./PoE+/uPoE"	Tender clause remains unchanged
21	Volume 2, Section No. 6.9.12.Public Internet access,Access Point,Page No. 189/190/191	189, 190 and 191	Must support data rates upto 1.3Gbps on 5Ghz radio.	Please remove this clause.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
22	Volume 2, Section No. 6.9.12.Public Internet access,Access Point,Page No. 189/190/191	189, 190 and 191	Access Point should be 802.11ac ready from day one.	the clause to be read as " Access Point should be 802.11ac, wave 2 ready from day one" Justification: the latest IEEE standard available in the industry.	Minimum has been specified, bidders free to provide better solution
23	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 3 Page No. 121.	121	24 or 48 (as per requirements) 10/100/1000 Base-TX Ethernet ports and extra 2 nos of Base-SX/LX ports All ports can auto-negotiate between 10Mbps/ 100Mbps/ 1000Mbps, half-duplex or full duplex and flow control for half-duplex ports.	Request to modify: Should support 24 or 48 (as per requirements) 10/100/1000 Base-TX Ethernet ports and extra 4 nos of SFP+ ports Justification : Since the DC 1G switches should support 1/10G uplink ports to have the flexibility connect to a upstream 10G switch.Moreover since	Minimum has been specified, bidders free to provide better solution
24	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 3 Page No. 121.	121	Support 8K MAC address.	Request to modify to : Support upto 100K. Justification: Being a DC switch it is recommended to have a platform which has better MAC address scalability.	Minimum has been specified, bidders free to provide better solution

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25	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 4 Page No. 121.	121	56 Gbps or more Switching fabric capacity (as per network configuration to meet performance requirements)	Request to modify to: Minimum of 68 Gbps or more switching fabric capacity (as per network configuration to meet performance requirements) Justification: Being a DC switch,the uplinks ports should support 1/10G to have the flexibility to connect to a upstream 10G switch.	Minimum has been specified, bidders free to provide better solution
26	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 4 Page No. 121.	121	Packet Forwarding Rate should be 70.0 Mpps or better	Request to modify to: Packet Forwarding Rate should be 70.0 Mpps or better. Justification: Being a DC switch,since the uplinks ports should support 1/10G,it would require minimum of 68Gbps and hence an equivalent of a minimum 100Mpps or more packet forwarding.	Minimum has been specified, bidders free to provide better solution
27	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Capable of providing wire-speed switching	Request to modify the following specification to: "Capable of providing wire-speed with back plane capacity of min. 1.2Tbps" Justification: Since there are 40 Gig uplink connectivity required, we need wire-rate performance and support of flexible back plane capacity in Tbps.	Minimum has been specified, bidders free to provide better solution
28	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Request addition	Request to add the following specification: "The ToR switches should natively support power-on autoprovisioning (POAP) to automate software image upgrades and configuration file installation on newly deployed switches. Justification: POAP feature helps immensely during new provisioning of multiple access and ToR switches. Helps to manage the switches in efficient way	Not Accepted
29	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Request addition	Request to add the following specification: "The switch should be completely programmable. Should support REST framework and be able to handle various industry standard formats. It should have the ability to reply to outside/3rd party management station requests in JSON/XML format and support python scripting" Justification: Modern and future data centers are moving towards programmability. Many controllers today provide REST based framework to programmatically configure feature, monitor statistics and aid troubleshooting	Not Accepted
30	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Request addition	Request to add the following specification: " Switch should provide comprehensive inbuilt tool set for analyzing, troubleshooting, and debugging ethernet networks. Power-on self-test (POST) and online diagnostics to proactively monitor system health. " Justification: POST and online diagnostics built natively on switch helps to proactively report issues with switch asics, ports in real time thereby aiding administrators to quickly take action should a link or module goes down	Not Accepted

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31	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components d) Servers, Page No. 113/114	113, 114	Network interface: 2 X 20GbE LAN ports for providing Ethernet connectivity Optional: 1 X Dual-port 16Gbps FC HBA for providing FC connectivity	Request to modify the specification: " 2 X 10GbE LAN ports for providing Ethernet connectivity Optional: 1 X Dual-port 16Gbps FC HBA for providing FC connectivity. The same can be provided using covered FCOE ports on Blade/Rack server " The Required number of ports to be distributed across two adapters for adapter level redundancy. " Justification: We support Converged network adapter to provide LAN and SAN access over FCOE. Latest generation blade architectures support dual converged modules for IO connectivity for carry Lan and SAN traffic. This helps in simplification, lower cabling, power & cooling without compromising throughput. Adpater level redundancy will provide resileicy agaisnt any faults ..	Minimum has been specified, bidders free to provide better solution
32	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 113/114	113, 114	Dual network connectivity of 10 G speed for each blade server for redundancy shall be provided	Request to modify the specification: " Dual network connectivity of 20 G uplink bandwidth for each blade server for redundancy shall be provided " Justification: Dedicated uplink bandwidth of 20 Gbps per server will ensure optimum performance fior demanding workloads	Minimum has been specified, bidders free to provide better solution
33	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 113/114	113, 114	Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device	Request to modify the specification: "Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel or FCOE module for connectivity to the external Fiber channel Switch and ultimately to the storage device" Justification: Latest generation blade architectures support dual converged modules for IO connectivity for carry LAN and SAN traffic. This helps in simplification, lower cabling, power & cooling without compromising throughput. We support dual converged modules to carry both LAN & SAN traffic. Hence kindly allow for covered IO modules.	Minimum has been specified, bidders free to provide better solution
34	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 113/114	113, 114	Provision of systems management and deployment tools to aid in blade server configuration and OS deployment	Request to modify this clause to "Provision of systems management and deployment tools to aid in blade server configuration and OS deployment along with centralzed management solution in HA for single pane of glass view for configuration, monitoring & management " Justification: There should be centralized management dashboard for all the chassis and blade servers in a given data center for single pane of glass view .	Minimum has been specified, bidders free to provide better solution
35	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device	Request to modify this to : " MinimumTwo hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device to meet uplink bandwidth per server for a fully loaded chassis " Justification - Sufficient bandiwtdh shiuld be provisioned considering fully loaded chassis even if not all blade slots are populated. This will maintain the same optimum performance level & investment protection even in case of any future expansion of number of blades in the given chassis.	Minimum has been specified, bidders free to provide better solution

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36	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Request addition	The management software can be used to create resource pools based on a hierarchal structure and have the blade resources assigned to the respective resource pools. Justification - Creation of resource pools while making all the underlying server hardware stateless will provide complete automated environment. This will enable provisioning of servers for given applications on the fly and will simplify & fasten the overall operations & management	Not Accepted
37	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Request addition	Servers should have the ability to be automatically assigned to the resource pools based on qualification criteria which can be based on the individual server hardware configuration, location of blade in the chassis, position of the chassis, type of NIC/HBA Justification - Creation of resource pools while making all the underlying server hardware stateless will provide complete automated environment. This will enable provisioning of servers for given applications on the fly and will simplify & fasten the overall operations & management	Not Accepted
38	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Request addition	Server must be a stateless environment where server identity is created by the administrator who defines the server BIOS version, MAC ID, NIC firmware version, WWPN, FC-HBA firmware version, Adapter QoS, Management module firmware version, UUIDs, Server Boot Policies, KVM IP etc. Justification - Creation of resource pools while making all the underlying server hardware stateless will provide complete automated environment. This will enable provisioning of servers for given applications on the fly and will simplify & fasten the overall operations & management	Not Accepted
39	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 113/114	113, 114	Request addition	"The management solution should be able to manage both rack, blade servers and chassis" Justification: This provides unified management of both rack and blade servers	Not Accepted
40	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	8.The platform should be able to normalize the data	The Smart City Data Normalization Software OEM supplier should be industry leader and belong to leader quadrant of the "Navigant Research Leaderboard Report For Smart City Supplier". This will enable us to propose a world-leading solution for project.	Minimum has been specified, bidders free to provide better solution
41	1.3.5	28, S.No.4	Smart Elements Projects includes Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.	Request to also include e-Governance Projects executed for urban local bodies in this list of smart elements	Tender Clause remains unchanged
42	1.3.6.1	31,A1	Net worth as on 2015- 16 financial year end	We understand that in case of consortium combined Networth of all consortium members will be considered	Yes, Understanding is correct

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43	1,3.6.1	31,A2	Average Annual Turnover of last 3 audited financial years (2013- 14, 2014-15, 2015-16).	We understand that in case of consortium combined turnover of all consortium members will be considered	Yes, Understanding is correct
44	1,3.6.1	31,A3	People in organization (Full time Employees –FTE in ICT projects)	We understand that in case of consortium combined manpower of all consortium members will be considered	Yes, Understanding is correct
45	1,3.6.1	37, B1 to B7	Project Experience of Bidder	We understand that any of the consortium partner can meet the experience criteria. As only 3 party consortium is allowed , request you to project experience criteria to 3 or 4 categories of projects to allow wider participation of Sysytem Integrators.	Tender Clause remains unchanged
46	Vol 1, Sec 3.5, S.no. 4	28 & 29	The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16). • For Sole Bidder – 30 Cr (Indian Rupees) • For Consortium o Lead Bidder should have minimum 20 Cr from TSE o Other members should have minimum 5 Cr from TSE o All members together should have meet 30 Cr TSE requirement Smart Elements Projects includes Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.	We request you to consider <i>ICT based services</i> projects for eligibility	Tender Clause remains unchanged
47	Vol # 2 - Servers	113	3. Internal Storage - 2 x 300 GB SAS (10k rpm) hot swap disk with extensible bays	2 x 300 GB SAS (10k rpm) hot swap disks	Tender clause remains unchanged
48	Vol # 2 - Servers	113	4.Network interface -2 X 20GbE LAN ports for providing Ethernet connectivity Optional: 1 X Dual-port 16Gbps FC HBA for providing FC connectivity	Network interface: 2 X 20GbE LAN ports for providing Ethernet connectivity Optional: 1 X Dual-port 16Gbps FC HBA for providing FC connectivity (OR) 2x 20GbE Converged Network ports which supports partitioning up to 3* Ethernet and 1* FC/iSCSI/FCoE HBA ports. Optional: 1 X Dual-port 16Gbps FC HBA for providing FC connectivity	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
49	Vol # 2 - Servers	113	7. Operating System - Licensed version of 64 bit latest version of Linux/ Unix/Microsoft@ Windows based Operating system)	Licensed version of 64 bit latest version of Linux/Microsoft@ Windows based Operating system)	Tender clause remains unchanged
50	Vol # 2 - Servers	113	9.Virtualization - Shall support Industry standard virtualization hypervisor like Hyper-V, VMWARE and Citrix.	Virtualization - Shall support Industry standard virtualization hypervisor like Hyper-V and VMWARE.	Tender clause remains unchanged
51	Vol # 2 - Blade Chassis	113	1.Minimum 6U size, rack-mountable, capable of accommodating minimum 8 or higher hot pluggable blades	Minimum 10U size, rack-mountable, capable of accommodating minimum 8 full height or 14 half height blade servers or higher hot pluggable blades	Minimum has been specified, bidders free to provide better solution
52	Vol # 2 - Blade Chassis	114	2.Dual network connectivity of 10 G speed for each blade server for redundancy shall be provided	Dual network connectivity of 20 G speed for each blade server for redundancy shall be provided	Minimum has been specified, bidders free to provide better solution

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53	Vol # 2 - Blade Chassis	114	5.DVD ROM shall be available in chassis, can be internal or external, which can be shared by all the blades allowing remote installation of software	Management software should support all the blades allowing remote installation of software.	Minimum has been specified, bidders free to provide better solution
54	Vol # 2 - Blade Chassis	114	7.Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), having Layer 2/3 functionality	Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), having Layer 2/3 functionality.	Minimum has been specified, bidders free to provide better solution
55	Vol # 2 - Blade Chassis	114	7.Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device	Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device (OR)	Minimum has been specified, bidders free to provide better solution
56	Vol # 2 - Servers & Blade Chassis	113 & 114	Additional Request	The proposed solution should be cloud ready to cater to the future expansion needs	Not Accepted
57	Vol # 2 - Servers & Blade Chassis	113 & 114	Additional Request	Should support simultaneous housing of Ethernet, FC, SAS and infiniband interconnect fabrics offering Hot Pluggable & Redundancy as a feature and support minimum 8 no's of IO Modules. After populating all interconnects required in the solution, the enclosure should have at least 2 nos. of Interconnect slots free for future expansion	Not Accepted
58	Vol # 2 - Primary Storage & Secondary Storage	114, 115 & 116	Additional Request	1. Offered Storage array shall be a true converge / unified storage with a single Microcode / operating system instead of running different Microcode / Operating system / Controllers for File, block and object services respectively. 2. Offered Storage array shall be end-to end 12Gbps enabled which means that both Front-end Fiber channel ports and Back-end engines shall be operated at minimum 12Gbps speed.	Not Accepted
59	Vol # 2 - Primary Storage & Secondary Storage	114, 115 & 116	Additional Request	Every supplied disk shall be able to participate into multiple and different raid sets simultaneously.	Not Accepted
60	Vol # 2 - Primary Storage & Secondary Storage	114, 115 & 116	Additional Request	1. Offered storage array shall support quality of service for critical applications so that appropriate and required response time can be defined for application logical units at storage. It shall be possible to define different service / response time for different application logical units. 2. Quality of service engine shall allow to define minimum and maximum cap for required IOPS / bandwidth for a given logical units of application running at storage array. 3. It shall be possible to change the quality of service Response time, IOPS (In both milliseconds as well as Sub-milliseconds), bandwidth specification on basis of real time.	Not Accepted

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61	Vol # 2 - Primary Storage & Secondary Storage	114, 115 & 116	Additional Request	<p>1. The storage array should support hardware based data replication at the array controller level across all models of the offered family.</p> <p>2. The Storage array shall also support three ways (3 Data Centers) replication to ensure zero RPO in native fashion without using any additional replication appliance.</p> <p>3. Replication shall support incremental replication after resumption from Link Failure or failback situations.</p>	Not Accepted
62	Vol # 2 - Primary Storage & Secondary Storage	114, 115 & 116	Additional Request	<p>1. For file services operation, offered storage shall support file protection against accidental, premature, malicious deletion and modification of data using file locking mechanism of WORM and Legal hold.</p> <p>2. Apply of legal hold shall ensure that File cannot be moved, modified, or deleted regardless of the retention period</p>	Not Accepted
63	Vol 2., 6.2.1. Data Center TOR (Top of the Rack) Switch	113	12: Management - 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	Request to modify this as following "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"	Tender clause remains unchanged
64	Vol 2., 6.2.5. Data Center Switch (1G)	121	2. Switch type: Layer 3	Request to elaborate this as following "Layer 3 features including OSPF, BGP, PIM for IPv4 and IPv6 from Day 1"	Minimum has been specified, bidders free to provide better solution
65	Vol 2., 6.2.6. Data Center Switch (10G)	123	1. Switch type: Layer 3	Request to elaborate this as following "Layer 3 features including OSPF, BGP, PIM for IPv4 and IPv6 from Day 1"	Minimum has been specified, bidders free to provide better solution
66	Vol 2., 6.2.6. Data Center Switch (10G)	123	11: Management - 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	Request to modify this as following "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"	Tender clause remains unchanged
67	Vol2	126	Network Management : Solution should provide Fault, Configuration & Performance management of the entire datacentre infrastructure	<p>Is it expected for Network Management Solution to provide following capabilities with respect to Configuration Management</p> <ul style="list-style-type: none"> • Create and deploy configuration changes • Standardize and validate changes before applying • Uniformly apply software updates • Enforce workflow and approvals • Create snapshots and store device information in real time 	Minimum has been specified, bidders free to provide better solution
68	Vol2	126	Network Management : Solution should provide Fault, Configuration & Performance management of the entire datacentre infrastructure	<p>Audit and enforcement capabilities are core to configuration Management functions of Network Management function. Is it expected to provide following</p> <ul style="list-style-type: none"> • Define compliance policies • Detect violations in real time and auto-remediate <p>Automation of audit and compliance is key aspect from security and SLA perspective.</p>	Minimum has been specified, bidders free to provide better solution
69	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected for The proposed tool should to provide Single Pane of Glass across different IT functions including data consolidation and advanced event correlation for reduced event	Minimum has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
70	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected for the proposed tool to provide various Correlation capabilities like <ul style="list-style-type: none"> • Suppressing duplicate events • Closing related events automatically • Stream-based event correlation • Topology-based event correlation • Automatic event detection and suppression 	Minimum has been specified, bidders free to provide better solution
71	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected to Monitor the end-user experience of business applications, Identify application performance and availability issues pro-actively before they impact the customer and gain visibility into real user behavior patterns.	Minimum has been specified, bidders free to provide better solution
72	Vol 2	129	Helpdesk system should provide incident management, problem management templates along with helpdesk SLA system for tracking SLA's pertaining to incident resolution time for priority / non-priority incidents..	Is Helpdesk expected to provide a Smart Ticket capability to an end user to open a ticket either by sharing error screenshot with service desk or types in a couple of text lines to describe the error in simple language. This would reduce number of click-and-write operations. Taking in consideration the possibility that human errors in classification and categorization may be heavily reduced	Minimum has been specified, bidders free to provide better solution
73	Vol 2	129	Helpdesk system should provide incident management, problem management templates along with helpdesk SLA system for tracking SLA's pertaining to incident resolution time for priority / non-priority incidents..	Is Helpdesk expected to provide an integrated CMDB along with discovery and inventory capability to ensure IT environment data is automatically discovered and updated in CMDB	Minimum has been specified, bidders free to provide better solution
74	Vol 2	129	Helpdesk system should provide incident management, problem management templates along with helpdesk SLA system for tracking SLA's pertaining to incident resolution time for priority / non-priority incidents..	Is it expected for helpdesk software to provide IT Asset Lifecycle capabilities (Discovery and Inventory, Portfolio Management, Contract (Support, AMC), Procurement, Software Asset Management, Financial Management capabilities	Minimum has been specified, bidders free to provide better solution
75	Vol 2	126	• The solution must support Service Level Agreements & Lifecycle Management including Version Control, Status Control, Effectively and audit Trail to ensure accountability for the project.	Does Lifecycle Management refer to SLA state in the life cycle (e.g. draft, current, etc.) and be able to support start / end dates (i.e. the SLA start date and end dates) as well as periodical revisions to the SLA (i.e. new targets, new metrics)?	Yes, solution must support Service Level Agreements & Lifecycle Management during the entire duration of the contract
76	7.9 & 8.2 Vol 1		Bill of Quantity & Price Component for CAPEX	Please refer to clause number clause number 7.9 where the proposed bill of material has been given. Para F mentions 15 sets of weather/environmental sensors. The same quantity is repeated in clause number 8.2 (Price component for CAPEX)Para F whereas in Clause number 7.9 para J (Training and overall project management) , sub para K 12 the qty mentioned against environmental sensors is 50. You are requested to clarify the exact quantity of environmental sensors to enable us to quote for the same.	Quantities mentioned in commercial bid format should be referred. Authority has the right to increase/decrease quantities.
77	Volume 2 6.10.2. Scope of Work	197	1. Total No. of waste collection vehicles – 50 2. Total No. of Bins – 50 3. Total No. of Loaders – 10 4. Total Field Staff of Authority (PAN City) –	1) Does the scope of this module include supply of Bins as well?, if not, please provide the specification of existing bins. 2) Total Field Staff of Authority – number is missing	Technical scope and BOM is self explanatory. Specification of BINS are provided in the Addendum. RFID tagging and integration of bins of SWM is required. Approx. field staff to be considered is 500 personnel however system should be scalable WRT increase in the number of personnel.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
78	Volume 2 6.10.2. Scope of Work	199	Mobile GPS based Staff Attendance Management System – GPS based mobile device shall enable Authority's field staff to register their attendance/presence throughout the day. The system shall periodically track the location (with time stamping) of the staff through their GPS based mobile device and shall map it in the system with the pre-defined area coordinates. The device shall feed the data through GPRS/GSM network to the Command & Communications Center central application for reporting generation and alerts.	Is the attendance based on Mobile device or Mobile Biometric Device? Is the scope of the module includes supply of biometric mobile device to each field staff of SWM department?	GPS based mobile device shall enable Authority's field staff to register their attendance/presence throughout the day. The system shall periodically track the location (with time stamping) of the staff through their GPS based mobile device and shall map it in the system with the pre-defined area coordinates. The device shall feed the data through GPRS/GSM network to the Command & Communications Center central application for reporting generation and alerts.
79	Volume 2	15	Integrated Application Software: Authority would also develop a comprehensive GIS. Bidder should work with GIS Vendor.	Who is the GIS vendor. What stage is the comprehensive GIS. What is the technical specifications. What layers. Who is updating the data. What component can be readily used for the current project?	Details of existing Base Map/ GIS related data from Andhra University shall be provided with the successful bidder on onboarding
80	2.29 (vol1)	20	Eligible Goods and Services, and OEM Criteria:	Since Storage is an important enabler for the project, it is very important to have highly reliable and proven storage technology for the success of the project. Hence, we recommend that a pre-qualification for Storage OEM is required which is proven and has right credentials. We recommend "A minimum of 3 large deployments in video surveillance projects world wide of min.8000 cameras each out of which least 1 project of 8000 cameras or more in India as on 31/03/2016" &"OEMs who are amongst top 5 for world-wide market share in terms of revenue as per IDC"	Tender clause remains unchanged
81	6.2 (vol2)	116	Smart Data Center and Disaster Recovery Infrastructure Components (g) Secondary Storage; Secondary Storage (Archival/Backup) can be on any media such as Tapes, Disks, Disk systems, etc. or its combination. (so as to arrive at lower cost per TB)	Tape is an unreliable media and operationally more complex and costly to manage. Hence we request that secondary storage medium be restricted to only Disks.	Tender clause remains unchanged
82	7.9 :: H13 (vol1)	82	7.9 proposed Bill of Material; DC infrastructure for surveillance -- Storage	Is this storage separate from SDC & DR storage mentioned in pages: 77 & 79?	Yes. It is separate
83	2.1 (vol2)	9	Data Center and Disaster Recovery Center (Cloud based) to cater all applications, sensors and actuators	Pg 94 reads: The solution should be network and protocol agnostic and provide option to connect legacy system through APIs with either read, write or both options. It should connect diverse on premise and/or cloud platforms and makes it easy to exchange data and services between them. and Pg 111 reads: The DR for the data shall be at the Cloud Data Center provider who is providing colocation, managed hosting and cloud services to Authority. The rate card, for various services offered by the vendor will also be available on request. Is the DR a part of state-owned DR site or colocation?	DR site shall be co-located to a cloud service provider to cater all applications, sensors and actuators. Bidder should refer commercial bid format section D.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
84	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; RAID Support: RAID 0, 1, 1+0, 5+0 and 6	Since the architecture will consist of high capacity disks, its important to be protected against failure of more than one disk and hence we request to change the RAID support to: RAID 0/ 1/ 1+0/ 5+0 /6 or better	Minimum has been specified, bidders free to provide better solution
85	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; Disk type	Support for multiple disk types in same storage system to be included; The proposed storage should support SSD, SAS and NL-SAS	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
86			Throughput for video surveillance	with >500 cameras and several video cameras that transmit at 15FPS, the underlying storage should have dense throughput architecture to manage the large ingest of feeds; the Primary storage should be supporting a minimum of 3Gbps sequential write throughput; Performance benchmarks / calculations for primary storage should be submitted by OEM	Minimum has been specified, bidders free to provide better solution
87	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.2	10	Concurrency of Internal Users	Please provide clarity on the total number of concurrent internal users who will be using the proposed Document Management Sytsem & BPM/Workflow Management system in order to size the hardware required for the solution.	Details will be worked out with successful bidders on oboarding. No of internal nodes in GVMC building, Zone offices accessing the system are 1500. System should be capable to cater to increase in load
88	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.2	10	Concurrency level of External Users	Please provide clarity on the total number of concurrent external users who will be using the proposed Document Management Sytsem & BPM/Workflow Management system.	Details will be worked out with successful bidders on oboarding. No of internal nodes in GVMC building, Zone offices accessing the system are 1500. System should be capable to cater to increase in load
89	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.3	31	Regarding Sample Forms and process details	Request you to please share some of the sample process flow along with the forms which needs to be implemented using workflow management system.	Suceesful bidder will have to carry out process study on onboarding and finalising forms
90	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.3	31	Regarding Workflow Management System	Workflow Management System is one of the most important requirement of this RFP. All the workflows mentioned in Core and Common modules will be configured over Workflow Management System. Therefore, the Workflow engine should be configurable in order to provide the flexibility in terms of making changes in the existing workflows, adding new workflows, changing routing rules, introducing new business rules, etc. So our recommendation is that the department needs COTS based Business Process Management (BPM) platform having the capabilities of graphically modeling the processes or workflows, in built Form designer, process simulator, configurable Business Activity Monitoring tool (Dashboards) and integrated Document Management System for storing documents. Please confirm.	Minimum has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
91	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.1	31	File Tracking System	<p>As per the RFP, department has the requirement of File Tracking System. Therefore, we strongly feel that following features should also be part of the required File Management System:</p> <p>So based on our experience of working with various Govt organizations in India, we strongly feel that ESIC has the requirements for File/DAK Management system with below mentioned features:</p> <ul style="list-style-type: none"> • File/DAK Management System should be based on Manual of office Procedure (MOP from DARPG- Department of Administrative Reforms And Public Grievances) • DAK/File Management with features like online DAK/File register etc • Whitehall based file movement (File view with all Documents are shown on one side and Green NoteSheet on other side) • Supports for Green Note sheet • Secure notes and annotations. • Should be based on Enterprise Content Management & Business Process Management framework. 	Minimum has been specified, bidders free to provide better solution
92	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.22	70	Regarding RTI Management System	<p>As per mentioned in the RFP document, RTI mangement is one of the key requirement of project. Therefore, we recommend that the department should have a RTI Management built using Enterprise Document management system and Business Process Management platform with the following features:</p> <ul style="list-style-type: none"> • Ability to record incoming RTI queries into the system. • Ability to upload the documents along with the queries. • Ability to route the RTI queries to different department users. • Ability to send the response of the queries to the Applicant who had filed the RTI. • Ability to reopen old RTI request in case of First and Second RTI Appeal. <p>Please confirm our understanding.</p>	Minimum has been specified, bidders free to provide better solution including RTI App
93	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.1	31	Regarding Record Management System	<p>As mentioned in the RFP document, the documents submitted by citizens would need to get archived for long term. So in order to fulfil this objective, our understanding is that the department requires the integrated Records Management System for management of physical and electronic records which should have the below mentioned capabilities:</p> <ol style="list-style-type: none"> a. Capability to define retention policy, disposition policy etc b. Capability to capture details about the electronic as well physical records including warehouse location, box no etc. c. Capability to track Physical records movement d. Compliance with standards like DoD 5015.2, ISO 15489, VERS etc. <p>Please confirm our understanding.</p>	Minimum has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
94	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Open Standards	82	Adherence to Open Standards	<p>As per mentioned in the RFP document, "Systems should use open standards and protocols to the extent possible."</p> <p>So with understanding, we suggest that the required workflow solution should complies to various open workflow standards such as BPMN, BPEL, WFMC and Document Management System with CMIS, WebDAV, ODMA etc.</p> <p>Please confirm our understanding.</p>	Minimum has been specified, bidders free to provide better solution
95	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Open Standards	82	Adherence to Open Standards	<p>Since the departments has the requirement for following open standards as much as possible.</p> <p>In order to fulfil the objective of the organization, we suggest that the department should archive the scanned document in Document Management System in PDF/A format which is an open ISO standard for long term archival and is now becoming de-facto standard in most government projects in India.</p> <p>Please confirm.</p>	Yes the understanding is correct
96	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Citizen Interface features	14	Mobile Application Framework	<p>As per mentioned in the RFP document, all the important features and functionalities should be made available through the mobile application as well.</p> <p>So having this requirement into consideration, we suggest that department has the requirement for enterprise mobility framework in which mobile applications and its services can be configured/ managed centrally. So for the ease of departmental officials, we recommend that department requires COTS (Commercial Off the Shelf) based Enterprise Mobility framework so that officials can make the changes by just doing the configurations instead of writing/modifying the lines of code.</p> <p>Please confirm our understanding.</p>	Minimum has been specified, bidders free to provide better solution
97	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Citizen Interface features	14	Mobile Application Framework	<p>As per mentioned in the RFP, department has the requirements for various services related to inspection, survey etc, where in officials can use the mobile applications for capturing the survey/inspection related details & survey documents through mobiles/tablets for managing building permits, land survey etc. So imaging features become the important requirement of mobile application framework. So our recommendation is that mobile application framework should have below mentioend features:-</p> <ol style="list-style-type: none"> Image compression, B/w conversion from color images G4 compression for B&W, JPEG for color and gray scale Multiple page document capture Auto cropping, Auto orientation, perspective correction, noise removal, geo capture Image capture setting (camera resolution, image type) <p>Please confirm.</p>	Minimum has been specified, bidders free to provide better solution
98	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.3	13	Multi Language Support	<p>As per mentioned in the RFP document, "The solution proposed should be Unicode compliant. Authority envisages requirements for both English and Telugu for Data Entry, Display, Input and Output". With this our understanding is that the proposed system should have user interfaces as well as data entry capability in both the languages i.e. Telugu and English.</p> <p>Please confirm our understanding.</p>	Technical scope is self explanatory. The solution proposed should be Unicode compliant. Authority envisages requirements for both English and Telugu for Data Entry, Display, Input and Output

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
99	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.3	31	Number of Scanning Locations	Please provide clarity on the number of locations from where the scanning activity will be carried out by departmental officials.	Details regarding number of scanning locations shall be provided with the successful bidder by dept. officials
100	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.1	9	Implementation Phase User Training	Please provide clarity on the number of users to be trained as part of the current project scope.	Details are provided in section J of commercial bid format.
101	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.1	9	Implementation Phase User Manuals	Our understanding wrt to the user manual is that, these need to be provided in English language only. Please confirm our understanding.	User manuals have to be in English
102	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Implementation Phase	9	Data Migration	As migration of the existing data and documents is considered as part of current project scope. So please provide the volume and the type of data/documents to be migrated from current systems to proposed system.	Details shall be provided with the successful bidder by dept. officials
103	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 4	73	Uptime/Availability of the system	Request you to please provide the clarity about the uptime/availability of the proposed solution.	Please refer SLA section 8 for details. SLAs are self explanatory
104	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Post Implementation Services	91	Regarding Support & Maintenance Period	Request you to please provide the clarity about the support & maintenance period to be considered as part of current project scope. Please clarify.	Technical scope is self explanatory. Please refer SLA section and commercial bid format sec 8.3 for details.
105	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.2	111	Storage Infrastructre	In order to provide the hardware sizing including SAN storage sizing, request you to please provide the clarity about the approximate number of transactions/volume of documents on yearly/monthly basis. Please clarify.	Successful bidder is required to carry out detailed requirement study for calculating volume of transactions in consultation with the authority.
106	General		Office Note Management	As per our experience of working with the Government Organisations, Office note management is of the key administrative activity in the government departments. Therefore, we recommend that the department should have a Office Note Management module with the following features: • In-built Web based Text Editor with basic functionalities such as bold, alignment, font, color etc. • A draft folder to save Office Notes that are created through in-built text editor. • Ability to route the Office Note for approval. • Search and check the status of a Note in workflow • Facility to add the approved Office Note in a File. Please confirm if our understanding is correct.	Minimum has been specified, bidders free to provide better solution
107	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.1	10	Facilitate integration of the solution with existing systems such as <list of existing system	Please confirm whether the integration specified herewith is at CCC level interfacing	Indicative details of existing system are given in chapter 1. Further details will be worked out with successful bidder on onboarding.
108	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	83	Bidders are also required to estimate the bandwidth requirement for other connectivity (between Data Centers, Command Centers / viewing centers at Zonal Offices etc.) and propose in the Technical Bid.	Please confirm the no. of zonal offices accessing the details of surveillance system or any other system to work on the license & bandwidth/connectivity details.	Successful bidder shall carry out detailed requirements study along with APSFL and authority
109	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.8.2	159	25. VMS shall support automatic failover for recording .Some Critical cameras shall also be supported for Redundant (Mirrored Recording simultaneously) VMS shall support integration with the ANPR application 29. VMS shall support integration with other online and offline video analytic applications.	Plese confirm on the integration of these feature at VMS level. Please elaborate online & offline analytics application.	Minimum indicative specification has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
110	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 3	121	Support 8K MAC address.	Request to modify to : Support upto 100K MAC addresses Justification: Being a DC switch it is recommended to have a platform which has better MAC address scalability to prevent inconsistencies in MAC table on the switches.	Minimum has been specified, bidders free to provide better solution
111	Volume 2, Section No. 6.2.5. Data Center Switch (1G) Technical Specifications Sl. no. 4	121	Packet Forwarding Rate should be 70.0 Mpps or better	Request to modify to: Packet Forwarding Rate should be 100 Mpps or better. Justification: Being a DC switch,since the uplinks ports should support 1/10G,it would require minimum of 68Gbps and hence an equivalent of a minimum 100Mpps or more packet forwarding.	Minimum has been specified, bidders free to provide better solution
112	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) technical specification	123	Capable of providing wire-speed switching	Request to modify the following specification to: "Capable of providing wire-speed with back plane capacity of min. 1.2Tbps" Justification: Since there are 40 Gig uplink connectivity required, we need wire-rate performance and support of flexible back plane capacity in Tbps.	Minimum has been specified, bidders free to provide better solution
113	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications,	114	Request addition	Server must a stateless environment where server identity is created by the administrator who defines the server BIOS version, MAC ID, NIC firmware version, WWPN , FC-HBA firmware version , Adapter QoS , Management module firmware version, UUIDs , Server Boot Policies, KVM IP etc. Justification - Creation of resource pools while making all the underlying server hardware stateless will provided complete automated environment. This will enable provisioning of servers for given applications on the fly and will simplify & fasten the overall operations & management	Not Accepted
114	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications,	114	Request addition	"The mangement solution should be able to manage both rack, blader servers and chassis" Justification: This provides unified management of both rack and blade servers	Not Accepted
115	Volume 2, Page No. 104, IP PBXSpecifications	104	Request addition	Redundancy for Call Processing. Justification : It will be critical to factor for redundancy at call processing level, else it will be a single point of failure.	Not Accepted
116	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3,	31		please provide then of departmental user who are going to access citizen service modules 1- Property tax department 2- license module 3- building permission module same is applicable for other modules as mentioned in the rfp	Successful bidder shall have to do sizing in consultation with authority. Number of nodes in GVMC and zone offices are approx. 1500
117	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 3.1	18	The portal should have the capability to integrate with payment gateways (as per RBI Guidelines on Payment Gateways) provided/supplied by System Integrator.	We understand that GVSSCL will provide the payment gateway to which portal will be integrated. Please confirm.	Yes. Payment gateway shall be provided by GVSSCL to which portal will be integtraed
118	Vol I, Instruction to Bidders, Clause 8.2	85	BOQ pricing - For Supply, Installation and Commissioning.	Can bidder quote separately Supply & installation or should the pricing be all inclusive (Supply+Installation).	The bidder should strictly adhere to the formats provided for quoting the price

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
119	Vol 1 - 3.5 Pre-Qualification Criteria	33-34	For Consortium o Lead Bidder should have minimum 20 Cr from TSE o Other members should have minimum 5 Cr from TSE o All members together should have meet 30 Cr TSE requirement	We request you to allow any combination of turnover from the lead bidder and consortium partner. Since even though a partner may contribute more valuewise and may like to be a consortium partner rather than lead bidder.	Tender Clause remains unchanged
120	Vol 1 - 3.5 Pre-Qualification Criteria	33-34	For Consortium o Lead Bidder should have minimum 20 Cr from TSE o Other members should have minimum 5 Cr from TSE o All members together should have meet 30 Cr TSE requirement	OEMs experience should also be considered in calculating the total TSE if the bidder is proposing that OEMs solutions. In many earlier smart city tenders it is found that OEM has good experience and it has NO relevance even that OEM does not want to become a part of the consortium. Such OEMs do not become consortium partners- 1. due to time constraint for their legal team for evaluation 2. No direct clarification or change is feasible in the consortium terms and conditions. Eligibility, Qualification and Consortium has to be balanced properly so that more bidders, solution providers can come up, bid and offer technological best solution in the most competitive prices.	Tender Clause remains unchanged
121	Vol 1 -3.6 Technical Evaluation Framework	35	Sole Bidder /Consortium Project Experience - Points (42)	We request you to consider OEMs/ Vendors experience too and offer few points their experience too if the bidder is offering the solutions from the same OEM for the similar solution. We specify similar because there are many upgrades are happening as far as the smart city solutions are considered. For Example., Emergency box - Earlier versions had only voice and now it can have both voice and video/picture.	Tender Clause remains unchanged
122	Vol1 - 3.6.1 Technical Bid Evaluation Criteria	39	Command and Control Center : installations- The bidder should have experience in executing projects for operationalization of Command and Control/Communications Centre (covering surveillance/ traffic/ disaster management/ city operations functions).	we request for wider scope - Command and Control/Communications Centre covering surveillance/ traffic/ disaster management/ city operations functions/ Solid Waste Management/ Intelligent ticketing solutions/smart card/ WiFi/ NOC for managing WAN links	Tender Clause remains unchanged
123	Volume 1 7.9-Proposed Bill of Material	81	Central monitoring Server Solution	What is the purpose of the central monitoring server solution? What are the requirements for the central monitoring server solution?	Please refer technical scope for RLVD system in Vol 2 of RFP
124	Volume 1 7.9-Proposed Bill of Material	81	Pole/Gantry, UPS, Junction Box and Cabling	How much power backup required from UPS? Is the Pole/Gantry, UPS, Junction Box are only for RLVD system? Is the Pole is smart pole or normal pole? What is Ingress Protection required for the junction Box?	Please refer technical scope for RLVD system in Vol 2 of RFP
125	Volume 1 7.9-Proposed Bill of Material	81	Face Recognition System Software solution	What is the purpose of the Face recognition system software(solutions at the traffic junctions? What are the requirements for the Face recognition system software solutions? What is the mounting structure for the face recognition system? Is the UPS backup power required for Face recognition system? How much power backup required from Face recognition system? How about the junction box requirement for Face recognition system? What is Ingress Protection required for the junction Box? The face recognition system software is online or offline?	Please refer technical scope for Face recognition system software system in Vol 2 of RFP

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
126	Volume 1 7.9-Proposed Bill of Material	81	line item : G: Variable Messaging Board, Public Announcement (PA) and Emergency Call Box Mounting structure (Gantry) for VMS as per site requirements and IRC guideline	Is the UPS backup power required for VMS? How much power backup required from UPS? How about the junction box requirement for VMS? What is Ingress Protection required for the junction Box?	Please refer technical scope for Variable Messaging Board, Public Announcement (PA) and Emergency Call Box system in Vol 2 of RFP
127	Volume 1 7.9-Proposed Bill of Material	81	line item : G: Variable Messaging Board, Public Announcement (PA) and Emergency Call Box Public Announcement (PA) System	Where the PA system will be placed? E.g. Speaker Is the UPS backup power required for PA? How much power backup required form UPS? How about the junction box requirements fort PA? What is Ingress Protection required for the junction Box?	Please refer technical scope for Variable Messaging Board, Public Announcement (PA) and Emergency Call Box system in Vol 2 of RFP
128	Volume 1 7.9-Proposed Bill of Material	81	line item : G: Variable Messaging Board, Public Announcement (PA) and Emergency Call Box Emergency Call Box	What is the mounting structure for the Emergency call Box? Is the UPS backup power required for Emergency call Box? How much power backup required from Emergency call Box? How about the junction box requirement for Emergency call Box? What is Ingress Protection required for the junction Box?	Please refer technical scope for Variable Messaging Board, Public Announcement (PA) and Emergency Call Box system in Vol 2 of RFP
129	Volume 1 7.9-Proposed Bill of Material	82	Line item : H -CCTV Surveillance Outdoor Box Cameras (Surveillance)	What is the mounting structure for the outdoor Box Cameras? Is the UPS backup power required for outdoor Box Cameras? How much power backup required from outdoor Box Cameras? How about the junction box requirement for outdoor Box Cameras? What is Ingress Protection required for the junction Box?	Please refer technical scope for CCTV Surveillance in Vol 2 of RFP
130	Volume 1 7.9-Proposed Bill of Material	82	Line item : H -CCTV Surveillance Outdoor PTZ Cameras	What is the mounting structure for the outdoor PTZ Cameras? Is the UPS backup power required for outdoor PTZ Cameras? How much power backup required from outdoor PTZ Cameras? How about the junction box requirement for outdoor PTZ Cameras? What is Ingress Protection required for the junction PTZ?	Please refer technical scope for CCTV Surveillance in Vol 2 of RFP
131	Volume 1 7.9-Proposed Bill of Material	82	Line item : H -CCTV Surveillance IR Illuminators- Quantity=>80	Is the IR illuminators for PTZ or outdoor Box Cameras? In either case the IR illuminator count is not matching?	Please refer technical scope for CCTV Surveillance in Vol 2 of RFP
132	Volume 1 7.9-Proposed Bill of Material	82	Line item : H -CCTV Surveillance Poles for Cameras and Equipment's -100	Is the these poles are for PTZ cameras or for box camera?	Please refer technical scope for CCTV Surveillance in Vol 2 of RFP
133	Volume 1 7.9-Proposed Bill of Material	82	Line item : H -CCTV Surveillance UPS (Solar + Electric) with Batteries	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	Please refer technical scope for CCTV Surveillance in Vol 2 of RFP
134	Volume 2 2.1 Overview	9	Command & Communications Center should be able to integrate with various Utility systems such as Water/SCADA, Power, Gas, ITMS, Sewerage/ Drainage system, Disaster Mgmt. System etc.	How many No.of VMD is planned? How many No.of PA is planned? How many No.of Emergency call box is planned?	CCC should have capability for such integrations. Details regarding number shall be worked out with succesful bidder post onboarding
135	Volume 2 6.3-5 RLVD application	143	Line item 6: The automatic number plate recognition Software will be part of the supplied system, Success rate of ANPR will be taken as 75% or better during the day time and 40% or better during the night time with a standard number plate.	Is the success rate of ANPR is also include 2 wheelers?	Yes

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
136	Volume 2 6.3.6 Technical Specifications	146	Line item 5.a The system should be capable of continuous video recording in base station for 7 days. The system shall automatically overwrite the data after 7 days. It should be noted that at any point of time the local storage at the base station should have the data of previous 7 days.	Is the continuous video recording in base station required for only evidence camera feed?	Recording is required for all cameras in the system
137	Volume 2 6.3.6 Technical Specifications	145	Line Item 2.H IP66 , IK10 rated or better standards capable of withstanding vandalism and harsh weather conditions.	Is IK10 impact test specification required for ANRP/RLVD camera? In case of any damage due to impact, it would be replaced as per SLA requirement	Yes required
138	Volume 2 6.8.1. Surveillance Equipment	157	Select locations would be identified for ANPR cameras. If ANPR recognition fails, these cameras should at least be able to capture a clear image of license plate for investigation purposes.	ANPR success rate 70%. Is this is applicable for remaining 30%?	Clear shot of the image should be captured in all cases
139	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	The complete tracking of a 'wanted' vehicle identified or flagged by Police should be possible on the GIS map.	How the wanted vehicles and police flagged vehicles are Marked in the system? How this input is given to CCTV cameras?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
140	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	Trail Report on specific person / object / vehicle for a specific period / location	Is trail report is Manual or video analytics is required to create this report?	Report can be generated manually. The generated report should capture events generated through video analytics, entries made by operator manually by observations using CCTV etc.
141	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	161	The Surveillance System shall support alarm management	What are Alarm support is required?	Camera Alarms, Sensor alarms, VA alarms and any other alarm which can be generated by any component which is connected to the system
142	Volume: 2	215	The GPS based BCU already installed on all Buses	Does this mean all Buses are pre installed with BCU and do not require hardware tracking unit?	Bidder has to install. No device is installed on buses presently
143	Volume: 2	201	Cameras to manage the Bus stands (passengers vs miscreants)	> How many Cameras are needed in each Bus Stand/Station. > Do we need Cameras in each Bus Stop? (Assuming Bus Stand and Stop are different). > How many Cameras are needed in each Bus Stop.	Cameras are required at Bus stand. Number can be finalised in consultation with authority post feasibility study. Minimum 5 cameras to be considered.
144	Volume: 2	201	Bus terminal management system (BMS + Physical Security)	What is BMS? And what are all expected as part of BMS?	Management of systems installed by bidder at bus terminals
145	Volume: 2	201	An access control system shall be provisioned while entering the bus terminal/depot	Need clarity on to whom this access control for: 1. Bus entering Depot/terminal, 2. Passenger/public: entering Depot/terminal 3. Depo/Staff: entering pre defined area in Depot/terminal.	An access control system shall be provisioned while entering the bus terminal/depot, Access control on the bus door integrated with GPS clock. Futuristic plan would be ignition of the bus with the right access control id.
146	Volume: 2	201	Access control on the bus door integrated with GPS clock.	Need clarity on intent of access control on the bus door with GPS clock and achieved functional or use case out of this requirement.	Bidder will have to do requirement study post onboarding and concurrency shall be decided in consultation with authority
147	Volume: 2	202	All the repair works and maintenance work (except for some unavoidable circumstances) to be built in-house to ensure more buses availability.	We assume, Repair and maintenance is applicable only for provided ITS solution & hardware component. Maintenance & repair of Buses is not under this scope.	Maintenance & repair of Buses is not under this scope
148	Volume: 2	202	The entire fleet of the buses from each bus depot would be mapped on GPS and tagged for routes. Each route would be mapped as a service and would have SLA's binding them. Deviations would be instantly tracked. In some time with the start of the service, analysis can be done to improve various aspects of this business.	We assume , the SLA binding is for Depot operations. Please confirm.	Yes. The SLA binding is for Depot operations
149	Volume: 2	202	Infrastructure Management System	We assume Infrastructure management System is limited to the proposed ITS solution related infrastructure (BCU, Displays, Backend server, etc.). Please confirm.	Yes. Management of infrastructure deployed under city bus intelligent system

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
150	Volume: 2	202	Crew Communication System	We assume, Crew communication will be established via BCU unit which is having on board GPS module. Please confirm.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
151	Vol 1,3,5	27	The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16). For Sole Bidder – 150 Cr	Considering the nature and complexity of the project, kindly modify this as "The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16). For Sole Bidder >=300 Cr "	Tender Clause remains unchanged
152	Vol 1,3,5	28	The Positive Net Worth (PNW) in Indian Rupees as on 2015-16 financial year end. For Sole Bidder – 30 Cr	Considering the nature and complexity of the project, kindly modify this as "The Positive Net Worth (PNW) in Indian Rupees as on 2015-16 financial year end. For Sole Bidder >=150 Cr "	Tender Clause remains unchanged
153	Vol 1,3,5	28	The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16). For Sole Bidder – 30 Cr (Indian Rupees)	Kindly modify this as "The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16). For Sole Bidder – 50 Cr (Indian Rupees) "	Tender Clause remains unchanged
154	Vol 1,3,5	29	The sole Bidder or the Lead bidder in case of a Consortium, should possess any one of the below Certifications which are valid at the time of bid submission: • ISO 9001 • ISO 20000:2011 for IT Service Management • ISO 27001:2005 for Information Security	Kindly make CMMI Level 5 mandatory for participation so that due importance is given for quality in terms of delivery and schedule for such a prestigious project.	Tender Clause remains unchanged
155	Vol 1, Sec 3.5, S.no. 2	27 & 28	The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16). • For Sole Bidder – 150 Cr • For Consortium o Lead Bidder should have minimum 60% of TO o <u>Other members should have minimum 20% of TO</u> o All members together should have meet 150 Cr TO requirement	We request you to consider: o <u>Other members should have minimum 10% of TO</u>	Tender Clause remains unchanged
156	Volume 2 Annexure 4: Visakhapatnam Junctions list	233	Visakhapatnam Junctions list	Which are the 10 junctions the RLVD system to be implemented? Which are the junctions PA to be implemented? Which are the junctions VMD to be implemented?	1. RLVD Locations are provided in Volume 2, Annexure 4. 2. Locations specific to PA / VMD Junctions will be finalised by authority in consultation with the successful bidder post onboarding.
157	Volume 2, Page No. 10, 2.2. Component Architecture		Network Layer-"The network bandwidth will be provided by APSFL; however, the selected bidder will have to size the bandwidth required for the overall solution, and supply and install the edge devices to utilize the network."	Request Basic/High level details of network connectivity of APSFL : 1)What does APSFL provide at these locations--viz..L2 /L3 connection? 2)What protocols would APSFL extend to the last mile over L2/L3.Are there any proprietary protocols used? 3)If multicast support is required,how will APSFL provide..will be L2 multicast or L3 multicast.Which OEM devices are used to enable multicast in the network. 4) Type of interface[Ethernet, Fast Ethernet(Copper or Fiber)] from where the network would be extended 5)Type of SFP (normal or ruggedized) 6)What security mechanism would APSFL use to protect the surveillance feeds logically and physically in their shared L2/L3 network. Justification : This would help the SI/Bidder size plan the connectivity at the edge device side to avoid any potential compatibility or other unforeseen issues.	The network bandwidth will be provided by APSFL. Details regarding locations, nodes, bandwidth sizing will be done with the successful bidder

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
158	Volume 2, Page No. 10, 2.2. Component Architecture		Network Layer-"The network bandwidth will be provided by APSFL; however, the selected bidder will have to size the bandwidth required for the overall solution, and supply and install the edge devices to utilize the network."	Request Basic/High level details of network connectivity of APSFL : 1)What does APSFL provide at these locations--viz..L2 /L3 connection? 2)What protocols would APSFL extend to the last mile over L2/L3.Are there any proprietary protocols used? 3)If multicast support is required,how will APSFL provide..will be L2 multicast or L3 multicast.Which OEM devices are used to enable multicast in the network. 4) Type of interface[Ethernet,Fast Ethernet(Copper or Fiber)] from where the network would be extended 5)Type of SFP (normal or ruggedized) 6)What security mechanism would APSFL use to protect the surveillance feeds logically and physically in their shared L2/L3 network. Justification : This would help the SI/Bidder size plan the connectivity at the edge device side to avoid any potential compatibility or other unforeseen issues.	It is to be Clarified that, > APSFL shall provide Aerial Fibre connectivity spanning across city providing connectivity to all Government office, insitutions, schools, etc. There would be a minimum of Open Standard L2 protocol capable edge switches provisioned by APSFL at these offices. The SI of this project needs to additionally provision edge L2 / L3 switches at desired location for various Use-Cases envisaged under this project appropriately to meet the desired Service Level & tender conditions. Multicast is required for community based surveillance input feeds the SI needs to provision interfaces to facilitate the same through Fibrenet given by APSFL. Being Fibre network APSFL shall facilitate Fast Ethernet Interface at Government office from there the SI needs to do last mile connectivity. APSFL has designed the network for supporting the requirements of Government Offices, etc. Since Vlzag Smart City CCC is planning to leveraging the same the SI shall design their solution with normal SFP connect. The surveillance feed Security is the scope of SI and they shall plan end-to-end adquate security solutioning for comprehensive fool-proofing.
159	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Request addition	The router should have a performance of atleast 30gbps. Justification:..Since the router must support 10G interfaces,it has to have a minimum performance capability of atleast 30Gbps or more has to have atleast on Day 1	Not Accepted
160	Volume 2, Section No. 6.2 .3 Firewall, Page No. 119/120	119 and 120	Encrypted throughput: minimum 800 Mbps	Request to modify to: " Encrypted throughput minimum 400 Mbps" Justification: Considering connections and total BW, IPS BW (which is 200 Mbps) encrypted throughput asked is very low and hence would increase the overall cost of solution.	Tender clause remains unchanged
161	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	WLC should be dedicated appliance with support for up to 100 Access points. Should be in High Availability mode. Should have 2 nos. of 100/1000/10Gig ports	Request to please modify : " WLC should be dedicated appliance with support for up to 1500 Access points. Should be in High Availability mode. Should have 2 nos. of 100/1000/10Gig ports". Justification: The same controller should be scalabe to be used across the entire city with a scalability of overall APs to be atleast 1000-1200 access points and in that scenario,having multiple controllers in the network would only increase the number of failure points.	Minimum has been specified, bidders free to provide better solution
162	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Built-in ICSA Certified Wireless Firewall in the Switch	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent or better solution
163	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Firewall should support minimum 100000 concurrent sessions	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent or better solution
164	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	System should provide L2 / L3 stateful firewall, Role based firewall, DOS attacks and Storm control	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent or better solution
165	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should support Access Control Lists (ACLs).	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent or better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
166	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	The firewall must be able to take action including allowing the traffic, denying the traffic, rejecting the traffic, routing the traffic, destination or source NAT the traffic, modify the QoS level of the traffic, and blacklist (remove from the network) the client for policy matches	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
167	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should include IPS licensing for 3 years from the date of installation	Request to please remove the same as these a vendor specific clauses.	Tender clause remains unchanged
168	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should support per user, per device, and per application/TCP-port prioritization.	Request to please remove the same as these a vendor specific clauses and they are firewall features	If may be clarified that if the "Port-Priotisation" fuctionality is met by enivisaged solution (either at FW or WLAN Controller) as a whole then proposed solution may be considered as compliant
169	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Controller should support DES, 3DES and AES-128 and AES-256 encryption, with site-to-site and client-to-site VPN capabilities; should have provision to supports IPSEC tunnels	Request to please remove the same as these a vendor specific clauses and they are firewall features	Tender clause remains unchanged
170	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Should support Ring protection	Request to remove "Should Support Ring Protection" Justification: Ring Protection is mostly used in lieu of STP for Metro Ethernet deployments by service providers and less relevant in Data Centers.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
171	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), having Layer 2/3 functionality	Request to modify this to: " Minimum Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), to meet uplink bandwidth per server for a fully loaded chassis " Justification - Sufficient bandiwdth should be provisioned considering fully loaded chassis even if not all blade slots are populated. This will maintain the same optimum performance level & investment protection even in case of any future expansion of number of blades in the given chassis	Minimum has been specified, bidders free to provide better solution
172	Volume 2, Page No. 104, IP Phone Specifications	104	7) Supported Protocol: SNMP, DHCP, DNS	Request to modify : Please remove SNMP Justification : SNMP traps pertaining to monitoring IP Phones by done centrally from the IP PBX by configuring and monitoring the IP PBX node and leveraging the relevant SNMP MIBs.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
173	Volume 2, Page No. 104, IP Phone Specifications	104	9) Speaker Phone: Full Duplex Speaker Phone with echo cancellation.	Request to modify : Please remove "Echo Cancellation" Justification : Echo cancellation is handled at overall solution level.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
174	Volume 2, Page No. 104, IP PBX Specifications	104	Request addition	Redundancy for Call Processing. Justification : It will be critical to ask for redudancy at call processing level, else it will be a single point of failure.	Not Accepted
175	Volume 2, Page No. 104, IP PBX Specifications	104	Request addition	Support Video IP Phones. Justification : Video IP Phones is provided by many OEMs and it provides excellent communication to users along with HD video with a 5 inch screen.	Not Accepted

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176	Volume 2, Section No.6.1.5. Other Requirements, Sr. No. 1, Page No. 101	101	The Command and Communications Center will be the nodal point of availability of all online data and information related to various current and future smart elements and will be connected to other network of services in Vizag through an integration layer.	The proposed Command and Communications Center solution - Data Normalization Software should be deployed in at least 1 city in India with at least 5 use cases/systems like Smart Lighting, Parking System, Environmental system, Video analytics system and video node along with smart light etc . Proposed Dta Normalization Software should have presence in 5 cities globally. Bidder to furnish OEM self-certification with the names of the cities.	Tender clause remains unchanged
177	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	8.The platform should be able to normalize the data coming from different devices of same type (i.e. different lighting sensors from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers	1. As per our understanding, The proposed "Command and Communications Centre Solution" architecture should have combination of data normalization software (IoT Platfrom) and City operation center software. 2. Request technical committe to allow bidder to propose combination of Cloud platform for "Data Normalization Software" and Operation software on permise, This will enable us to proposed word leading solution and global best pratics for project.	Tender clause remains unchanged
178	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	7.The platform should be able to integrate with any type of sensor platform being used for the urban services irrespective of the technology used.	Request to add some global standard for sensor platform; 1. Location enginesShould provide the geographical coordinates of specific facilities, roads, and city infrastructure assets, as well as unmapped facilities , calculates distance between two, or more, locations on the map , locates and traces devices on the map 2. Device engine should provide aggregation of sensors from diverse sensor cloud ,organizes sensor data and assigns attributes based on relations; raw data removed and passed to data engine 3. Data and Analytics engine should stores data feeds from the device engine and external data sources, provides time-shifted or offline analytics on the archived data, delivers reports based on events triggered by device engine data and external notifications 4. Service management should performs service management 5. Subscription engine should provide unique user roles, authentication, and access based on user subscriptions, provides user-based application access and viewing	It may be clarified that the, 1. Location enginesShould provide the geographical coordinates of specific facilities, roads, and city infrastructure assets, as well as unmapped facilities , calculates distance between two, or more, locations on the map , locates and traces devices on the map 2. Device engine should provide aggregation of sensors from diverse sensor cloud ,organizes sensor data and assigns attributes based on relations; raw data removed and passed to data engine 3. Data and Analytics engine should stores data feeds from the device engine and external data sources, provides time-shifted or offline analytics on the archived data, delivers reports based on events triggered by device engine data and external notifications 4. Service management should performs service management 5. Subscription engine should provide unique user roles, authentication, and access based on user subscriptions, provides user-based application access and viewing
179	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	Add Point	Sensor platform OEM should provide online Developer Program tools that help City to produce new applications , and/or use solution APIs to enhance or manage existing solution free of cost. OEM should have technology labs via an online public facing web interface. These labs should be available 24X7.	Request for addition not accepted
180	Volume 2, Section No. 6.1.3. Functional & Technical Specifications of the Application Software, Sr. No. 7, Page No. 94	94	8.Solution & Platform: The platform should be able to normalize the data coming from different devices of same type (i.e. Different lighting sensor from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers.	Request to add following sentence to this requirement: "The platform should support distributed deployment of functions (workflows & policies) across city's network and compute infrastructure with centralized management and control." <i>This enables the solution to have distributed intelligence across the network and data centers so that critical event handling is not dependent on cloud and data center availability .</i>	The Clause may read as, "In addition to the specified technical specification of CCC Application Software it is desirous to have the platform to support distributed deployment of functions (workflows & policies) across city's network and compute infrastructure with centralized management and control."

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
181	Volume 1, Section No. 3.5. Pre - Qualification Criteria, Sr no 2, Page no 27	27	The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16). A. For Sole Bidder – 150 Cr B. For Consortium o Lead Bidder should have minimum 60% of TO o Other members should have minimum 20% of TO o All members together should have meet 150 Cr TO requirement	Request to modify the clause for consortium, to the following: o Lead bidder should have a minimum of 50% of TO	Tender clause remains unchanged
182	Volume 1, Section No. 3.5. Pre - Qualification Criteria, Sr no 4, Page no 28	28	The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16). A. For Sole Bidder – 30 Cr (Indian Rupees) B. For Consortium o Lead Bidder should have minimum 20 Cr from TSE o Other members should have minimum 5 Cr from TSE o All members together should have meet 30 Cr TSE requirement	Request to modify the clause for consortium, to the following: o All members together should have meet 30 Cr TSE requirement	Tender Clause remains unchanged
183	1.3.5	28, S.No.4	The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014- 15, 2015-16). For Sole Bidder – 30 Cr (Indian Rupees) · For Consortium o Lead Bidder should have minimum 20 Cr from TSE o Other members should have minimum 5 Cr from All members together should have meet 30 Cr TSE requirement	Request to amend the clause as: The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014- 15, 2015-16). All members together should have meet 20 Cr TSE requirement	Tender Clause remains unchanged
184	1.3.6.1	32,B1	The bidder should have experience in executing ICT projects. · Each project worth 50 Cr (Indian Rupees) is considered as one unit. · Points are allocated based on number of units executed	Request to amend the clause as: The bidder should have experience in executing ICT projects. · Each project worth 10 Cr (Indian Rupees) is considered as one unit. · Points are allocated based on number of units executed	Tender Clause remains unchanged
185	Vol 1, Sec 3.5, S.no. 2	27 & 28	The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16). · For Sole Bidder – 150 Cr · For Consortium o Lead Bidder should have minimum 60% of TO o <u>Other members should have minimum 20% of TO</u> o All members together should have meet 150 Cr TO requirement	We request you to consider: o <u>Other members should have minimum 10% of TO</u>	Tender Clause remains unchanged

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186	Vol 2., 6.2.5. Data Center Switch (1G)	122	12: Management - 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	Request to modify this as following "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"	The clause may be modified as, "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"
187	Vol2	128	o Proposed Network Management shall integrate with SLA & Contract Management system in order to supply KPI metrics like availability, utilisation, and performance in order to measure central SLA's and calculate penalties.	Change Network Management to Server Management. Else, this is a repeat of the clause made under Network Management System. Also, integrating various systems with SLA and Helpdesk will lead to inconsistencies	The actual clause states that the this module of NMS shall integrate with Network Performance management module, hence no change required. Secondly Service performance characteristics needs to be monitored as a part of SLA hence no change
188	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected from the proposed solution to use Big Data Analytics for Root cause identification and issue remediation to reduce major incidents	Minimum has been specified, bidders free to provide better solution
189	Vol 2	129	Helpdesk system should provide incident management, problem management templates along with helpdesk SLA system for tracking SLA's pertaining to incident resolution time for priority / non-priority incidents..	Is it expected from Helpdesk to utilize big data analytics to allow for spotting service desk trends easily by providing a clustered view of recurring themes hidden in the huge quantities of unstructured data. This feature will Isolate problems faster and manage proactively	Minimum has been specified, bidders free to provide better solution
190	Vol 2	126	• Application should be pre-configured so as to allow the users to generate timely reports on the SLAs on various parameters.	SLA are customer specific. It needs to be configured in the system after discussion with customer. Cannot be pre-configured.	It may be clarified that, "A NMS tool is expected to have certain out-of-box reports which may be further customised to solution & SLA requirement".
191	Vol 2	126	The solution must have the ability to define and calculate key performance indicators from an End to End Business Service delivery perspective related to Surveillance Project under discussion.	Is End User experience monitoring also in scope of EMS w.r.t. to Business services?	Yes end user Experience monitoring is also envisaged part of the solution if the same is being addressed by IOT or any other BI solution designed by the SI then the same may be considered as compliant
192	6.4.2 Vol 2		Data integration with existing system (APIs will be provided) for flood water sensors	Details of the APIs of existing system to be integrated into Environmental sensor Platform may please be provided.	The all sensors are currently interfaced through OPEN Standard Protocols and details of Protocols & topology shall be shared to the successful bidder
193	Volume 2	83	Application & System Software; Updated map of Hyderabad City (I think it should be Vizag City)	Does it mean, GIS map for Vizag is already available with the Department..? Is the map will be given to the vendors to update the same?	GIS Maps are already procured by GVMC and they would be made available to successful bidder for necessary Geo-fencing, tagging & layering, monitoring, etc
194	Volume 2 3.4. Property Tax Department	32	A] Capture of various details of the Property B] Capture of various details required for Property Assessment	We understand that the Department has all these details available in electronic format for all the properties within the jurisdiction. The GIS application for Property tax management system is already in place along with the property level maps of the city. Please clarify whether existing GIS based property tax mapping is done can be taken for integration. Is additional GIS based property tax mapping to be done. How many properties?	The GIS property mapping done through a separate project undertaken by GVMC. The same is not part of SI's scope in this tender.
195	Volume 2 3.7. Water Connection Module	38	C] Departmental Process	We understand that the consumer level map for the city is available along with the complete existing water distribution network – Please clarify. Has GIS based consumer indexing been done? Is this under the scope to be done? What is the number of meters for which GIS based consumer mapping to be done?	It may be clarified that creating GIS indexing is not under this project scope of this RFP.

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196	Volume 2 3.10. Solid Waste Management Department	44	Integration Required with 1) GIS 2) Fleet Management 3) GPS Software Solution	1) What is the existing GIS Software? Commercial or Open Source – Please provide details 2) Provide details of existing GPS hardware 3) In the current CCC architecture, is GIS system connected to Fleet Management? Or working independently? 4) Is department looking for replacing current GPS Software for SWM? Or want to continue with same? 5) Is current SWM/GPS Software is having capability to adopt RFID/Bin Sensors?	The responses to your queries are below. 1. Open Source 2. GPS hardware details would be provided to successful bidder 3. No in current CCC GIS is not connected to File Management 4. re-using the same GPS software 5. RFID based sensors integration needs to be explored
197	Volume 2 6.10.2. Scope of Work	199	Weight & Volume Sensor Management System – The weight sensors shall be placed at the fixed location over which Bin shall be placed every time it being served by the waste collection vehicle. The weight sensor shall sense the level of occupancy of the bin placed above and trigger alert signal to the city operation center application through GPRS/GSM network.	Does it mean that, the weight sensor will have fixed location & Bins will be carried to the location for getting the weight of the bin? This process may alter the bin location and also disturb the calibration of the volume sensor attached with the Bin. Please clarify..	As clearly explained in the requirement, the Weighing sensors are being placed on every bin & appropriately monitored.
198	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; Data protection: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 4 hours	The industry standard for protecting data by cache protection is 72 hours; please change to: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 72 hours	Minimum has been specified, bidders free to provide better solution
199	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0_3, Section 3.1	31	File Tracking System	As per the RFP, department has the requirement of File Tracking System. Therefore, we strongly feel that following features should also be part of the required File Management System: So based on our experience of working with various Govt organizations in India, we strongly feel that ESIC has the requirements for File/DAK Management system with below mentioned features: <ul style="list-style-type: none"> • File/DAK Management System should be based on Manual of office Procedure (MOP from DARPG- Department of Administrative Reforms And Public Grievances) • DAK/File Management with features like online DAK/File register etc • Whitehall based file movement (File view with all Documents are shown on one side and Green NoteSheet on other side) • Supports for Green Note sheet • Secure notes and annotations. • Should be based on Enterprise Content Management & Business Process Management framework. 	Minimum has been specified, bidders free to provide better solution
200	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0_3, Section 3.1	31	File Tracking System	Today, mobile governance is one of the key focus of government departments. In order to ease the access of the documents/files for the internal officials, our recommendation is that the department would have the requirement for Mobile app for tracking files, capturing documents, viewing, approval, rejection and searching of files. Please confirm.	The clause may be modified as, "The proposed File Tracking system shall also be compatible in mobility platforms as well."

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201	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.1	9	Data Center and Disaster Recovery Center (Cloud based) to cater all applications, sensors and actuators	Please confirm & provide the details of sensors & actuators which needs to be monitored, apart from the utility systems given separately.	Technical specificatoons & BOM of sensors and actuators are mentioned in Section 6, Vol.2 of this RFP
202	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 2.2	11	Component architecture	Under Street IT Infra Layer (Existing sensors), Network Layer (Bandwidth), Application layer (GIS, Future Smart Applications, Existing smart city applications) are specified as out of scope. However, there are integration required in above page. Please clarify.	Yes only integrations to the various layers specified ynder component Architecture are required but the development & customisation of the Existing Smart City application, GIS for future Smart City Applications & Network Bandwidth connectivity are not part of the SI's scope.
203	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 4.4	74	The DR site within India should be at least 150 Km away from the Authority Data Center and in a different seismic zone.	As per the page no. 9, cloud based DR is specified and in page no. 111, co-location of DC & DR is specified. Please clarify the same.	Currently On-Premise DC-DR is being planned but SI shall design the solution that the envisaged solution shall be made operational on any cloud based enviornment if the the Government desires to migrate to cloud environment.
204	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	84	Custom Software as needed to fill gaps, from open commercial market , to cater to the Project requirements	Please elaborate on the requirement of custom software and its application of it.	This refers to Work-arounds / Boxi- Tools which are bolted on the the product for better integration & Monitoring
205	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	84	Tape Library (as per requirement) Data Backup Solution	Please confirm the requirement of Tape Library & Data back-up solution for surveillance solution or other applications as well	Archiving of essential & retrival qatum of data would be incremental. However for basic provision bidder may consider 5 TB storage & any additional requirement may be considered as Change Request.
206	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	85	GPS integration with GIS is required to locate all police vehicles (on which GPS units are fitted) on GIS Map. Vehicle tracking should happen even while any vehicle is parked/stationary/ignition-off.	Please provide the details of GPS fitted vehicles and the protocol for GPS tracking.	Bidders may seek prior approval to conduct a on-prmise survey of the existing solution, which shall address application level details.
207	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	87	Plan to integrate the Community Surveillance	Please provide the details of existing community surveillance system, protocol for interface, level of intergration (layer) & details to be shared on.	Bidders may seek prior approval to conduct a on-prmise survey of the existing solution, which shall address application level details.
208	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	87	The Successful Bidder will also be commissioning the surveillance cameras required in the Mobile Vans.	Please provide details of Mobile vans, Qty, connectivity required to CCC.	Bidders may seek prior approval to conduct a on-prmise survey of the existing solution, which shall address application level details.
209	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.1.3	94	The platform should be able to integrate with any type of sensor platform being used for the urban services irrespective of the technology used.	Please elaborate on the requirement.	Urban Service is referred to Municipality services offered by GVMC to the citizens / benficiaries
210	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 11	109	Local storage microSDXC up to 32GB (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.	Please confirm on the microSDXC card upto 32 GB, since 64 GB is mentioned in other cameras. Also, confirm on the restoring requirement of data to the server automatically after network resumption.	For Indoor Dome Cameral it has currently sized at 32 GB however bidder is free provide higher storage
211	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 12	109	Radio Handset Bidder will have to visit Visakhapatnam Police Dept. and the Radio Handset should be similar to the one used by the Visakhapatnam Police Dept.	Please confirm on the requirement of radio handsent, qty & if any interface requirement with CCC or PA system for announcement.	As mentioned in Section 6.16, S.No. 12 of Vol. 2 of this RFP the Radio Handset shall be similar to existing handsets in Vizag Police department. W.r.t current Quantity of Supply 25 nos. may be prvisioned
212	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.2.15	130	Civil and Architectural work	Please confirm the scope of work for Civil & architectire works, since the existing CCC will be modified ?	It is clarified that the basic civil structure would be made available to the SI. The SI needs carryout the interior & electrical works as per the approved design & layout. All indoor provisioning & approvals by competant authority needs to taken by trhe SI before Live.

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213	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.8.2	157	It is estimated that not more than 0.5% of the cameras would be required to be viewed at higher FPS at a given point of time).	Please clarify the higher FPS mentioned. Which is mandatory for bandwidth/connectivity requirement.	It may be clarified that 1. Higher FPS refers to 15 FPS. 2. Bandwidth / connectivity iprovisioning s not part of SI scope. However last mile inter-connect shall be done by SI
214	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.8.2	159	System must support API based integration with other systems like eChallan, CCTNS etc. or any other 3rd Party system with allows API based integration	Please provide details of echallan system.	Bidders may seek prior approval to conduct a on-prmise survey of the existing solution, which shall address application level details.
215	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.8.2	159	Bidder shall be required to provide a standardized Mobile Application to integrate smart phones and tablets for 2-way communication with the Video Management System in a secure manner. Vizag City Authority may provide such tablets / smart phones to the designated Police Personnel. It will be responsibility of SI to configure such tablets / Smartphone with the Surveillance System and ensure that all the necessary access is given to these mobile users so that uploading of video / pictures to the surveillance system is possible	Please confirm the no. of license required for mobile client.	Since the m-Governance is expected to be opened not only for Government officers but also for citizen. This mGovernance solution may be planned solution based approach rather on license based approach which would get exponentially multiplied.
216	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33	93	8.The platform should be able to normalize the data coming from different devices of same type (i.e. different lighting sensors from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers	1. As per our understanding, The proposed "Command and Communications Centre Solution" architecture should have combination of data normalization software (IoT Platfrom) and City operation center software. 2. Request technical committe to allow bidder to propose combination of Cloud platform for "Data Normalization Software" and Operation software on permise, This will enable us to proposed word leading solution and global best pratics for project.	Minimum has been specified, bidders free to provide better solution
217	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33	93	8.The platform should be able to normalize the data coming from different devices of same type	The Smart City Data Normalization Software OEM supplier should be industry leader and belong to leader quadrant of the "Navigant Research Leaderboard Report For Smart City Supplier". This will enable us to proposed word leading solution for project.	Minimum has been specified, bidders free to provide better solution
218	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33.	93	Add Point	Sensor platform OEM should provide online Developer Program tools that help City to produce new applications , and/or use solution APIs to enhance or manage existing solution free of cost. OEM should have technology labs via an online public facing web interface. These labs should be available 24X7.	Minimum has been specified, bidders free to provide better solution
219	Volume 2, Section No. 6.1.3. Functional & Technical Specifications of the Application Software, Sr. No. 7,	94	7.Solution & Platform: The platform should be able to integrate with any type of sensor platform being used for the urban services irrespective of the technology used.	Request to add the following sentence to this requirement: "The platform should also allow the manufacturers of the sensors to develop integrations themselves using SDKs without affecting the northbound applications and existing integrations". <i>this will help to scale the adoption of smart devices and also make it cost effective because device vendors themselves can develop integrations and City does not have to pay for the integration any more.</i>	Minimum has been specified, bidders free to provide better solution
220	Volume 1,Section 2.29 Eligible Goods and Services, and OEM Criteria,page 26,Edge Level Switches,Other Switches and routers,Servers.		OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC / Similar organization's latest published report /presence in the latest Magic Quadrant by Gartner.	Request to modify to : OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC /presence in the Leaders or challenger Magic Quadrant by Gartner. Justification : This will ensure that the only the industry's best products/solutions are considered, which will ensure consistency and provide a high degree of reliability in the deployed solution.	Tender clause remanis unchanged

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221	Volume 2, Page No. 104, IP PBX Specifications	104	Request addition	Support Video IP Phones. Justification : Video IP Phones is provided by many OEMs and it provides excellent communication to users along with HD video with a 5 inch screen.	Not Accepted
222	Vol 2 _RFP for System Integrator_ Scope of work 5.12.2016_0.3, Section 3, enterprise resource planning	9	ERP	Please provide the total number of users module wise or business functions wise who are going to access ERP application/ back office functions as stated in the RFP 1-Finance management and scheme management 2. Project management 3. Inventory management 4. Procurement management 5 Fleet management 6 Asset management / maintenance 7. HCM 8. Employee self service / users Also please do mention the total employee count of organization	The total employee base of GVMC who would use the solution would be tune of 300. Since in a integrated environment all users may be allowed to access with different privileges to all the said modules. Therefore SI needs to provision and plan software licensing pattern appropriately
223	Vol 2 _RFP for System Integrator_ Scope of work 5.12.2016_0.3, Section 2.3	12	Project Implementation Timelines	Project timelines envisaged for ERP related scope of work is not realistic and same should be expanded to 1 year from 7 months	GVMC is expecting a tried and tested solution to be customised and rolled in the Corporation. Therefore SI needs to appropriately plan and choose best fit ERP solution as per the localised requirement of GVMC. The timeline shall remain as 7 months only
224	Vol 2 _RFP for System Integrator_ Scope of work 5.12.2016_0.3,	219	Payment schedule	Payment schedule given in the rfp is not acceptable to us. Same is a showstopper for us. Please modify the payment terms as suggested below for ERP solution • Team mobilization advance -20% of implementation cost • Application Installation and user creation -20% of IC • Completion of requirement study phase -20% IC • UAT -20% of IC • Go-live -20% of IC Subscription fees which includes application usage charges + cloud hosting charges + support charges on quarterly basis and same should be paid in advance. This will be applicable from the date of release of PO / LOI. In case of any customization additional AMC is applicable which will be paid on quarterly basis and same is applicable from the date of go-live	Tender condition remains unchanged

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225	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0,3,	221	penalty clause	<p>currently penalty given is higher side and not acceptable to us 1 week of delay for completion of scope for any smart element -0.1% of capex of respective smart element value For every subsequent week - 0.15% of capex of respective smart element value</p> <p>In case the penalties for the selected bidder reaches 10% of the capex value in the form of penalty, cumulative of penalties for all smart elements, at any point of time during the duration of pre-implementation phase, GMVC reserves the right to invoke the termination clause. Hence Request to change to</p> <p>Any delay by the vendor in achieving any milestone associated result in a penalty of 0.1% of the value payable on that milestone for every week of delay or part thereof subject to a maximum of 5% of milestone payment of respective smart element value</p>	Tender clause remains unchanged
226	Volume 2	83	Application & System Software; Updated map of Hyderabad City	Does it mean, GIS map for Vizag is already available with the Department..? Is the map will be given to the vendors to update the same?	GIS Maps are already procured by GVMC and they would be made available to successful bidder for necessary Geo-fencing, tagging & layering, monitoring, etc
227	Vol II, Scope of work, Clause 7.1	219	Due payments shall be made promptly by the Authority, generally within sixty (60) days after submission of an invoice or request for payment by SI	Please confirm a fixed team of Authority for acceptance of Invoice, as change or transfer of approving authority might create delay in payment schedule.	The PMC shall monitor the progress and give recommendations to the authority and the authority shall review the same and take final decision either by self or by appointing a another committee on case-to-case basis
228	Vol III, Master Services Agreement, Clause 24 & 25	25-26	Insurance and Transfer of Ownership	<p>Please confirm on the details of Insurance cover to be considered.</p> <p>Project Insurance (EAR / CAR) coverage would terminate as soon as any of the following conditions are met with:</p> <ul style="list-style-type: none"> - Expiry of policy. Period of cover as mentioned on the policy document - Handover of the works to the Owner / Customer - Beginning of commercial intended operations (Operational assets cannot be covered under project policy) - In case of phase-wise completion, the sections that become operational or are handed over to the customer will automatically cease to be under the project insurance coverage <p>The above condition will prevail and even if the policy has not yet expired and contractor hasn't received a formal handover / completion letter, no coverage would apply after any of the above conditions are triggered.</p>	Tender Clause remains unchanged
229			Due payments shall be made promptly by the Authority, generally within sixty (60) days after submission of an invoice or request for payment by SI	Due payments shall be made promptly by the Authority, generally within Thirty (30) days after submission of an invoice or request for payment by SI	This is a standard norm and hence tender clause remains unchanged.

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230	Volume 2 6.3.5 RLVD application	144	Line item 22: Image should have a header/footer depicting the information about the site IP and violation details like date, time, equipment ID, location ID, Unique ID of each violation, lane number, Regn. Number of violating vehicle and actual violation of violating vehicle etc. so that the complete lane wise junction behavior is recorded including (Speed of violating vehicle, notified speed limit, Signal Jumping, Stop Line Violation, Speed Violation with Registration Number Plate Recognition facility.	Please clarify is the speed of the violating vehicle, notified speed limit is part of RLVD application?	Yes Speed violation tracking is part of RLVD application
231	Volume 2 6.3.6 Technical Specifications	145	Line item 3.a The system should be equipped with appropriate storage capacity for 7 days 24X7 recording, with overwriting capability. The images should be stored in tamper proof format only.	Is the local storage is only for violation data? Is the evidence camera live feed also to be stored locally for 7 days in case of network failure?	Storage is majorly for violation footages along with any appropriate instances of interest by the Police department / GVMC. The storage requirements would be frozen with Police & GVMC during solution design stage
232	Volume 2 6.3.6 Technical Specifications	146	Line item 4.a Encrypted data, images and video pertaining to Violations at the Onsite processing station should be transmitted to the CCC electronically through GPRS based wireless technology with 3G upgradable to 4G, in Jpeg format.	Is fiber connectivity is allowed? Better to have wired connectivity	It may be clarified that, Solar Backup is being envisaged. For sizing approximately 30 minutes power backup may be planned for VMD. Yes Solar is must for Charging
233	Volume 2 6.5.1 Functional Specifications	150	Line item D. A VMD software system shall be provided to the Command and Communications Center for message preparation monitoring and control of the variable message signs. IP based Network equipment shall be provided to connect the VMD with the VMD software system.	Is the connectivity from command and communication center to VMD is wired? Or wireless?	It may be clarified that the connectivity from CCC to VMD is Wireless. Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
234	Volume 2 6.5.2 Technical Specifications	152	Line item i=>24 Battery <input type="checkbox"/> 230VAC+ 15%, 50Hz, Single Phase (automatically re-start in the event of an electricity supply failure) <input type="checkbox"/> Batteries with solar charging options can also be recommended as back up	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
235	Volume 2 6.6.2. Technical Specifications	153	Line item 6: Battery Internal Battery with different charging options (Solar/Mains)	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	It may be clarified that, Solar Backup is being envisaged. For sizing approximately 10 minutes backup may be planned for PA Systems. Yes Solar is must for Charging
236	Volume 2 6.7.2. Technical Specifications	155	Line item 6: Battery Internal Battery with different charging options (Solar/Mains)	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	It may be clarified that, Solar Backup is being envisaged. For sizing approximately 10 minutes backup may be planned for ECB. Yes Solar is must for Charging
237	Volume 2 6.8.1. Surveillance Equipment	156	UPS requirement (with minimum 30 minutes backup) is mandatory at 25% cameras	How many box camera and PTZ camera percentage? Is there any critical location camera's are included?	~ 400 Box Cameras, & 100 Outdoor PTZ cameras may be factored. The critical locations would be informed to the successful bidder during the design stage
238	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	It is recommended to clearly identify in SLAs that cameras need to transmit quality video feed (appropriately focused, clear, un blurred, jitter free, properly lit, unobstructed, etc.). Packet loss to be less than 0.5%.	Is each camera will have one IR Illuminator associated with it? Is the camera expected to have in-built IR Illuminator	> Yes IT Illuminator needs to be associated with it

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239	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	These cameras need to work on 24 X 7 basis and transmit quality video feeds to the centralized data center and would capture the video feeds at 15 FPS for majority of the time and at 8 FPS for the lean period.	What is the majority of time and lead period in a day?	Technical scope/specification is self explanatory. Details will be worked out with successful bidders on boarding.
240	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	Not all the cameras would be simultaneously viewed at Command & Communications Centers. Command Center shall from time to time take decisions on utilization of Alerts / Exceptions / Triggers generated by cameras, and specify the client machines where these would get populated automatically.	How many camera's are simultaneously viewed at command and communication centers?	It is clarified that the maximum possible cameras that can be accommodated in the envisaged video wall shall be used design reference against the data point of "No. of Cameras that needs to simultaneously viewed"
241	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	Accessibility to advanced analytics on recorded footages	What are the advance analytics required on recorded footages?	Advanced analytic may include cross inputs from CDR from Telecom Service Provider, Vehicle Movement behaviour, etc
242	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	160	The Recording Server / System shall support Camera (analogue and IP cameras) devices from various manufacturers.	No Analogue camera is used for surveillance, then why the system should support analogue camera?	It may be clarified that, incase of integration requirement of local analogue feeds from legacy applications then the proposed solution shall be compatible
243	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	167	Video Analytics	What are the video Analytics required? How many licenses are required for each category of video analytics?	It may be clarified that, > Video analytics requirements are articulated in Section 6.8, Video Analytics Pg. 167 > This is planned centrally at CCC hence one comprehensive enterprise licenses shall suffice
244	Volume: 2	217	Bus Stop LED Display: Along with the visual display, the next bus stop will also be announced in English and Hindi.	Do we need audio announcement in Bus Stop along with Display?	Yes, audio announcements are required. Please refer Tech Specs Pg. 215 of the VOL2 of this RFP
245	Volume: 2	201	Cameras focusing inside the bus	Number of camera needed in side the bus? Duration of video recording need to be stored locally?	Minimum 1 camera inside bus
246	Volume: 2	201	Special security governance for the bus crew	What are "special security governance for the bus crew".	It may be clarified that, Special Security Governance for Bus Crew includes, timely arrival, cordial passenger management, real time tally of cash on hand & system, etc
247	Volume: 2	204	PIS at bus stations will be connected through mobile communication to Central Control Centre GIS module to generate the ETA information for various bus stops.	Do we need UPS power back up for Bus Stop Display and Cameras. If yes then for what duration?	Power Backup for design provisioning may be considered for 15 minutes
248	Volume: 2	211	The minimum scalability will be for 2000 Buses, 2000 PIS for BQS and Bus terminal, 50 bus depots and 30 UPTS. Authority will not pay any excess fees for increase in volume up to scalability.	Software will provide the minimum scalability for 2k and more bus without additional S/W cost But Hardware /server and any license upgradation to support scalability will be with actual cost. Please confirm.	Price bid shall reflect the complete scalability cost being available from Day 1
249	Volume: 2	201	Panic buttons to raise an alarm	Number of Panic Button to be placed inside the Bus. Should we send snap shot of inside Bus image as part of alert on pressing Panic button.	Minimum two, bidders free to provide better solution

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250	Vol III, Master Services Agreement, Clause 24 & 25	25-26	Insurance and Transfer of Ownership	<p>Please confirm on the details of Insurance cover to be considered.</p> <p>Project Insurance (EAR / CAR) coverage would terminate as soon as any of the following conditions are met with:</p> <ul style="list-style-type: none"> - Expiry of policy. Period of cover as mentioned on the policy document - Handover of the works to the Owner / Customer - Beginning of commercial intended operations (Operational assets cannot be covered under project policy) - In case of phase-wise completion, the sections that become operational or are handed over to the customer will automatically cease to be under the project insurance coverage <p>The above condition will prevail and even if the policy has not yet expired and contractor hasn't received a formal handover / completion letter, no coverage would apply after any of the above conditions are triggered.</p>	Tender Clause remains unchanged
251	Vol III, 15. Indemnity	20	Ref Pg no. 20	<p><u>We propose the following under this clause</u></p> <p>Any indemnity under this Agreement shall be only to the extent SI/Honeywell contributed to the losses or expenses and shall stand reduced to the extent the Authority/Customer or any third party contributed to the losses. This obligation is conditioned on receiving prompt notice of a claim from the Authority/indemnitee. The SI/Honeywell/indemnitor will not be liable for any attorney fees or costs of Authority/indemnitee. To the extent permitted by applicable law the SI/ Honeywell/indemnitor will be entitled exclusively to control the defence and settlement of the claim.</p> <p><u>Under 15.3 the following exclusion needs to be deleted</u></p> <p>Exclusion of bodily injury and or tangible real property.</p>	Please see revised clause.
252	Vol III, 25. Transfer of Ownership	26	Ref Pg no. 26	<p>We cannot agree to provide source code transfer IPR and ownership right.</p> <p><u>We propose the following</u></p> <p>All intellectual property arising out of or in connection with the contract documents shall be owned by the Honeywell. Honeywell agrees to provide a non-exclusive license to customer/Owner for the sole purpose of performance of the services under this contract. All software provided in connection with this contract shall be licensed and not sold. The end-user/Owner of the software will be required to enter into a license agreement with terms and conditions which are standard for computer based equipment software license arrangements</p>	All Bespoke development and customisation to COTS shall be owned by the Authority and all source code in the same shall be submitted to the Authority. COTS products shall be transferred as per the licensing terms of the said COTS product. Except for the foregoing clarification, no change in the clause.
253	Vol III, 28- Limitation of Liability	28	Ref Pg no. 28	<p><u>Under the clause, need to include the following points</u></p> <p>Notwithstanding anything in this agreement to the contrary, the aggregate liability of SI/ Honeywell related to the order will in no case exceed the total value of the Contract/Agreement. to the extent permitted by applicable law, these limitations and exclusions apply if liability arises from breach of contract, indemnity, warranty, tort (including negligence), operation of law, or otherwise</p>	Tender Clause remains unchanged

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
254	Vol III, 35- Termination	32	Ref Pg no. 32	We should have reciprocal rights for termination as well as a remedy period SI/ Honeywell also may terminate or suspend this Agreement/Contract if there is a material breach of the Agreement/contact and the Authority fails to begin a cure within 30 calendar days after receipt of written notice from SI/ Honeywell specifying the grounds.	Tender Clause remains unchanged
255	Vol III, New Provision – Delay			Where Honeywell incurs additional cost due to a delay to the date of completion (need to be agreed) from the date of Work Order caused by the Authority /Contractor or their suppliers or their sub-contractors then SI/Honeywell shall be entitled to claim additional delay costs for such delay.	Any delay due to Contractor or suppliers or sub-contractors of the SI, shall be considered the delay of SI and appropriate action as per contractual provisions shall be taken by Authority.
256	Volume -3 27.5	28	27.5. The deduction shall not in any case exceed 10 % of the contract value.	Recommended modification as under: The deduction shall not in any case exceed 10 % of the contract value of delayed portion of work	Tender clause remains unchanged
257	Volume -3 40.4	38	Post-Implementation SLAs The upper limit of penalty would be capped at 10% of the opex value for each quarter. In case the calculated penalty crosses 10% penalty of the opex value in 2 subsequent quarters, GMVC reserves the right to invoke the termination clause	Recommended to consider the upper limit of penalty would be capped at 5% of opex value of each quarter.	Tender clause remains unchanged
258	Vol 3, 25	26	Transfer of Ownership	The ownership of all H/W, S/W and equipments shall be transferred to customer upon delivery	Tender Clause remains unchanged
259	Vol III, 12. Payments	18	12.1. Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C-Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents	Kindly reduce the credit period from 45 days to 30 days.	Tender Clause remains unchanged
260	Vol III, 24. Insurance	25	The Goods supplied under this Contract shall be comprehensively insured by SI at his own cost, against any loss or damage, for the entire period of the contract. SI shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.	Kindly delete the clause, SI shall provide the transit insurance only. Upon delivery of goods, tile is transferred to customer, therefore SI cannot take the insurance of goods which it does not own.	SI to provide insurance to the goods till the tenure of the contract is completed
261	Vol III, 24. Insurance	25	SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.	Price quoted by SI in financial bid submitted will be exclusive of octroi, entry tax, LBT etc. These will charged on actuals	The SI shall quote taking in to consideration of existing applicable tax rates. In case of change in taxes under change in law, appropriate parties shall pass the benefit of the same over and above the Total Contract Value. In case of such change, SI shall submit a formal request with necessary supporting documents to the Authority. In case of any change in the applicable structure by the Government and the same shall be adjusted appropriately. The difference in the taxes as per actuals shall be recovered / paid accordingly.
262	Vol III, 25. Transfer of Ownership	26	SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System.	Kindly modify clau e to be read as- SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of delivery.	Tender Clause remains unchanged

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
263	Vol III, 27. Performance Security	28	27.1. SI shall furnish Performance Security to the Authority at the time of signing the Contract which shall be equal to 10% of the value of the Contract and shall be in the form of a Bank Guarantee Bond from a Nationalized/Scheduled Bank in the Performa given in Annexure 5 (a) RFP volume I within 15 days after issuance of letter of intent (LOI) or Letter of Award (LoA) which would be valid up to a period of six months after the contract completion period. 27.2. SI shall be required to submit five Bank Guarantees of equal amount totaling 10% of the value of the Contract. The Authority shall return 1st Bank Guarantee after 2 years of signing of contract and successful project execution, 2nd Bank Guarantee after 3 years of contract signing and successful project execution, 3rd Bank Guarantee after 4 years of contract signing and successful project execution and the 4th and 5th Bank Guarantee one year after successful completion of the contract.	Is SI required to submit 6 PBGs ? Pls confirm if our understanding is correct. PBG required as per clause 27.1 clause will be returned before annually renewed PBG is issued by SI as per clause 27.2, so that only one PBG is in force at any time of the contract. Pls confirm.	The Performance Security equivalent to the 10% of the accepted contract amount shall be submitted by the successful bidder. 5% of the Performance security shall be released back to the SI on successful implementation and six (06) months after successful operation of the project. Remaining 5% of the Performance security shall be released after two (02) months of the completion of all contractual obligations of the SI.
264	Vol III, 28. Limitation of Liability:	28		Liability of SI under the contract can not be more than 100% of contract value. Kindly include the same.	Liability is capped at the Total project Value
265	Volume-3	35	Building permission Module- NOCs from different departments	Request for clarification on integration for NOCs other than Fire NOC like Airport authority, ASI . Do we consider only Fire NOC issuance and integration from external agencies?	Bidder is required to do process study and detailed integration requirements shall be finalised in consultation with the authority
266	Volume-3	69	Central Workshop module- GIS and GPS	clarification required , Only integration with existing GPS/GIS system would be done ?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
267	Vol3, 12.1	18	Payments	All payments to be made within 30 days from the date of receipt of invoice. IF payments are not made within 30 days then delayed payment interest clause to be stated. Also withholding of services to be inserted.	Tender Clause remains unchanged
268	Vol3,13	18	Intellectual property rights	What License are we providing to Customer?	Tender clause is self explanatory and remains unchanged
269	Vol3,13	18	Intellectual property rights	IPR Indemnity to be sought by Customer for data which Customer provides to SI	Tender clause is self explanatory and remains unchanged
270	Vol 3. 15	20	Indemnity	Indemnity for Vreach of Contract to be deleted. Point no 15.1 (b)	Please see revised clause in Corrigendum
271	Vol 3. 15	20	Indemnity	Indemnity to be sought by Customer	Tender clause is self explanatory and remains unchanged
272	Vol 3. 15	20	Indemnity	Indemnification process to be stated	Please see revised clause in Corrigendum
273	Vol 3 15.3	20	Indemnity	<ul style="list-style-type: none"> The Liability cap should be limited to the 12 months revenue of a particular work order preceding the claim Standard clause on indirect loses to excluded shall be inserted Excusable delay clause to inserted 	Tender clause is self explanatory and remains unchanged
274	Vol3, 16	20	Warranty	Standard warranty Disclaimer to be inserted. Warranty to be given by Customer as well.	Except as expressly provided herein, no other warranties (implied or otherwise) are provided by the SI.
275	Vol3, 27.6	28	Liquidated Damages	Limits should be set as 0.5 % of the value of delayed/defaulted deliverables. Maximum to 5% of the value of delayed/defaulted deliverables.should be levied if there is a delay/failure solely attributable to SI.	Tender Clause Remains unchanged
276	Vol3,28.2	29	Limitation of Liability	Clause to be deleted	Tender Clause Remains unchanged
277	Vol3,28.3	29	Limitation of Liability	Clause to be deleted	Tender Clause Remains unchanged
278	Vol 3, 29	29	Ownership and Retention of Documents	Detailed clause on Bespoke documents, Pre-existing IPR, Third party components and Residuary rights to be inserted	Please see revised clause in Corrigendum

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
279	Vol3, 33	31	Confidentiality	This clause to be made mutual. Also, the time cap of confidentiality obligations shall be limited to 2 years from the date of last disclosure. Standard exclusions to be stated.	Tender Clause Remains unchanged
280	Vol3,35	32	Termination	Cure period for termination to be provided.	Tender Clause Remains unchanged
281	Vol 3, 40	36	General Principals of Service Level Agreements	Standard exclusions to Service Levels needs to be provided. Also the Service level needs to be capped at 1% of Total contract value. Earnbacks to be provided if we exceed service levels. Service levels should be levied if there is a delay/failure solely attributable to SI.	Tender Clause Remains unchanged
282	03:13	19	IPR	IPR cannot be transferred on the name of authorities, the clause should be deleted	Please see revised clause in Corrigendum
283	03:15	20	Indemnity	Indemnity should be mutual	Tender Clause Remains unchanged
284	03:28	29	Limitation of Liability	Limitation of liability for the bidder under any circumstance should not exceed 10% of the contract value	Liability is capped at the Total project Value
285	Vol. 3 Section 36.2	33	In case of any loss or damage due to default on the part of the SI in performing any of its obligations with regard to executing the Schedule of Requirements under the contract, SI shall compensate the Authority for any such loss, damage or other costs, incurred by the Authority. Additionally members of its team shall perform all its obligations and responsibilities under the Contract in an identical manner.	Upto what percentage will the compensation be claimed by the Authority, as the members would still perform and complete the obligations and responsibilities and as such there would be loss recovery.	Tender condition remains unchanged
286	Volume 3, 10.5	10	SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume 1 proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI	SI shall ensure the same however in case of exit of Key Personnel or manpower due to unavoidable, unforeseen or medical reasons, SI shall replace them with equivalent manpower within due time and which shall not attract any penalty. Kindly confirm.	Acceptable exclusions to penalty - death, medical incapacitation, resignation.
287	Volume 3, 10.11	11	the flexibility to use the software licenses for other requirements if required	Assuming the flexibility to use for similar use cases like command center software should be used for command center solution. Pl confirm	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
288	Volume 3 - Master Service Agreement; Clause 1.2	4	Applicable Law(s)	Bidder requests these be limited to laws generally applicable to the Parties' business, since laws apply differently to different entities.	Tender clause remains unchanged
289	Volume 3 - Master Service Agreement; Clause 1.11	4	Effective Date	Please clarify. The effective date of the contract should be the last date of signing.	Tender clause is self explanatory
290	Volume 3 - Master Service Agreement; Clauses 4 and 5	7	Scope of work and KPM	Bidder wishes to clarify that the scope shall be defined exhaustively and captured in writing between the Parties. Changes shall only be processed through a mutual change order process.	Scope will be as defined in MSA signed between parties. Changes shall be as per the provisions of MSA.
291	Volume 3 - Master Service Agreement; Clauses 10.11 and 10.13	11	Bidder's Obligations	Software licenses shall be as per the Bidder's technical proposal. Agreements between the Bidder and various OEMs is confidential and cant be shared, the Bidder and/or OEM may give relevant undertakings to the customer.	Please see revised clause on COTS in Corrigendum
292	Volume 3 - Master Service Agreement; Clause 10.31 and 10.32	16	Bidder's Obligations	Bidder shall comply with laws to the extent the same is generally applicable to its business and with policies to the extent the same are provided to the Bidder in advance and in writing. Bidder seeks deletion of the indemnity in 10.32.	Tender clause remains unchanged
293	Volume 3 - Master Service Agreement; Clause 13.3	18	Intellectual Property Rights	The Bidder shall only indemnify the customer by defending it against third party claims of copyright or patent infringement by an unaltered Bidder manufactured product, to the extent of court awarded damages. Indemnities for third party products shall be provided on a pass through basis from the respective OEMs.	Please see revised clause on indemnity in Corrigendum

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
294	Volume 3 - Master Service Agreement; Clauses 13.4, 13.5 and 13.6	19	Intellectual Property Rights	Bidder requests the clause be deleted and replaced as follows: 'Nothing in this Agreement affects the intellectual property rights of the parties that are in existence on or before the Effective Date of this Agreement. Bidder or third parties will own the copyright in all Materials created under the Agreement ("Bidder Materials"). Bidder grants Customer an irrevocable, nonexclusive, worldwide, paid-up license to use, execute, reproduce, display, perform, and distribute (within Customer's Enterprise only) copies of Bidder Materials solely for the purposes for which they were delivered. "Materials" means literary works or other works of authorship such as programs, program listing, programming tools, documentation, reports, drawings, etc. that Bidder may deliver to customer as part of the Services. The term 'Materials' does not include licensed program products available under respective Bidder's license agreements.	Please see revised clause on pre existing material in Corrigendum
295	Volume 3 - Master Service Agreement; Clause 18	22	Dispute Resolution	Bidder requests arbitration be conducted in Bangalore and subject to the supervisory jurisdiction of courts in Bangalore.	No change in clause except clause 18.4 is deleted.
296	Volume 3 - Master Service Agreement; Clause 24	25	Insurance	Bidder requests deletion. Bidder shall undertake to take up all appropriate insurances that it is required to undertake under law as well as to adequately cover its obligations under this Contract.	Tender Clause Remains unchanged
297	Volume 3 - Master Service Agreement; Clause 25	26	Transfer of Ownership	All IP assignment shall be subject to our comments against Clause 13. Please remove this clause, obligations are duplicated.	Tender Clause Remains unchanged
298	Volume 3 - Master Service Agreement; Clause 33	31	Confidentiality	If Parties will mutually agree and sign a NDA, why is this required?	Tender Clause Remains unchanged
299	Volume 3 - Master Service Agreement; Clauses 34, 35 and 36	31	Events of Default by SI, Termination and Consequence of Termination	Bidder seeks clarity on why events of default be defined in this manner? This would not be exhaustive and this is not mutual. Bidder requests the clause be modified and replaced with below: 'Either party may terminate the contract, with <u>ninety days prior written notice</u> , if the other party has committed a <u>material breach</u> of the contract and if such breach has not been cured during the notice period. Customer shall pay Bidder for all products and services provided up to the effective date of termination.'	SI will be provided at least 30 days notice period to cure a breach, failing which termination will ensue.
300	Vol III, Master Services Agreement, Clause 14.6	20	Supplies of materials from abroad are exempted from levy of Sales Tax/VAT on works/works Contract tax (Central or state).	Please confirm if HSS transaction can be done. Or what will be the preferred modus operandi acceptable by customer.	Tender Clause remains unchanged and HSS Transactions are not allowed
301	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components b) WAN/Internet Router, Page No. 111, 6.2 .1 Core Router, Page No. 117, 6.2 .2 Internet Router, Page No. 118	111, 117 and 118	Request addition	The router should have a performance of atleast 30gbps. Justification: Since the router must support 10G interfaces, it has to have a minimum performance capability of atleast 30Gbps or more has to have atleast on Day 1	Minimum has been specified, bidders free to provide better solution
302	Volume 2, Section No. 6.2 .3 Firewall, Page No. 119/120	119 and 120	Encrypted throughput: minimum 800 Mbps	Request to modify to: " Encrypted throughput minimum 400 Mbps" Justification: Considering connections and total BW, IPS BW (which is 200 Mbps) encrypted throughput asked is very low and hence would increase the overall cost of solution.	Minimum has been specified, bidders free to provide as per their sizing and offered solution
303	Volume 2, Section No. 6.9.12.Public Internet access,Network Management System ,Page No. 192/193	192 and 193	The NMS should support an open database schema, configuration, administration, monitoring and troubleshooting of Switches, guided workflows based on best practices with built-in configuration templates, the capability to view the network topology, Layer 2 Services and Fault Management	Request to modify to: "The NMS should support an open database schema, configuration, administration, monitoring and troubleshooting of Switches, guided workflows based on best practices with built-in configuration templates, the capability to view the network topology, Layer 2 Services and Fault Management OR support programatic access to data via REST APIs. " Justification : DB access to fetch useful data can be provided with greater flexibility by using open APIs aswell.	Tender clause remains unchanged

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
304	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed PoE Switch ,Page No. 191	191	The switch should have 8 ports 10/100TX PoE+(min. 6 Port IEEE802.3at Or 8 Port 802.3af) and with 2 combo ports (10/100/1000Tor 100/1000 SFP) and PoE Power will be min 185W	Please modify to : The switch should have 8 ports 10/100TX PoE+ and with 2 combo ports (10/100/1000Tor 100/1000 SFP) and PoE Power will be min 240W. Justification : Since most access points today are .11ac,all the 8 access ports should support PoE+. 8 -ports PoE+ switch would require a min of 240W (30Wx8ports=240W) on all ports. Else request to reduce the minimum power to 120W as 185W would be biased to a vendor specific implementation which is not full PoE+ on all ports.	The specs of this items is same as "6.8.7. Industrial Grade outdoor PoE switches"
305	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed Switch & L2+ 8 Ports Managed PoE Switch ,Page No. 189/190 & Page No 191/192	189/190 and 191/192	The switch should support TACACS+, RADIUS accounting and RADIUS client, IEEE 802.1x port-based Network Access Control (NAC), IEEE 802.1x multiple supplicant mode, EAP, EAP-TLS, LEAP, PEAP, TTLS, Microsoft NAP compliant, Symantec NAC support, Per port MAC address filtering, Layer 2/3/4/ Access Control Lists (ACLs), SSLv3 for Web management, Per port MAC address limiting, MAC address security/lockdown, Guest VLANs and SSH session Time out.	Please change to :The switch should support TACACS+, RADIUS accounting and RADIUS client, IEEE 802.1x port-based Network Access Control (NAC),Per port MAC address filtering, Layer 2/3/4/ Access Control Lists (ACLs), SSLv3 for Web management, Per port MAC address limiting, MAC address security/lockdown, Guest VLANs and SSH session Time out. Justification: Microsoft NAP Compliant and Symantec NAC support are vendor specific and proprietary implementations.	The specs of this items is same as "6.8.7. Industrial Grade outdoor PoE switches"
306	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed Switch & L2+ 8 Ports Managed PoE Switch ,Page No. 189/190 & Page No 191/192	189/190 and 191/192	Power Characteristics: Operating temperature: 0C to 60C	Request to modify: Operating Temperature :0C to 45C Justification :Since the requested switch is not an industrial grade switch,request the operating temperature limit to be 45C instead of 60C.	The specs of this items is same as "6.8.7. Industrial Grade outdoor PoE switches"
307	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed Switch & L2+ 8 Ports Managed PoE Switch ,Page No. 189/190 & Page No 191/192	189/190 and 191/192	EMI: FCC class A, EN55022 class A, C-TICK, VCCI Class A, CE, UL 60950-1 (cULus), EN60950-1 (TUV), EN60825 Etc and Compliant with RoHS standards.	Request to modify: EMI: FCC class A, EN55022 class A, VCCI Class A, CE, UL 60950-1 (cULus), EN60950-1 (TUV), EN60825 Etc and Compliant with RoHS standards. Justification :C-TICK is a Country specific identification trademark (of Australia) for EMI and not an industry standard, hence should not be made mandatory for India.	The specs of this items is same as "6.8.7. Industrial Grade outdoor PoE switches"
308	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	WLC should be dedicated appliance with support for up to 100 Access points. Should be in High Availability mode. Should have 2 nos. of 100/1000/10Gig ports	Request to please modify : " WLC should be dedicated appliance with support for up to 1500 Access points. Should be in High Availability mode. Should have 2 nos. of 100/1000/10Gig ports". Justification: The same controller should be scalabe to be used across the entire city with a scalability of overall APs to be atleast 1000-1200 access points and in that scenario,having multiple controllers in the network would only increase the number of failure points.	Corrigendum : Please refer to revised specification of this item,
309	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Built-in ICSA Certified Wireless Firewall in the Switch	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,
310	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Firewall should support minimum 100000 concurrent sessions	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,
311	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	System should provide L2 / L3 stateful firewall, Role based firewall, DOS attacks and Storm control	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,
312	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should support Access Control Lists (ACLs).	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
313	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	The firewall must be able to take action including allowing the traffic, denying the traffic, rejecting the traffic, routing the traffic, destination or source NAT the traffic, modify the QoS level of the traffic, and blacklist (remove from the network) the client for policy matches	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,
314	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should include IPS licensing for 3 years from the date of installation	Request to please remove the same as these a vendor specific clauses.	Corrigendum : Please refer to revised specification of this item,
315	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Should support per user, per device, and per application/TCP-port prioritization.	Request to please remove the same as these a vendor specific clauses and they are firewall features	Corrigendum : Please refer to revised specification of this item,
316	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	Controller should support DES, 3DES and AES-128 and AES-256 encryption, with site-to-site and client-to-site VPN capabilities; should have provision to supports IPSEC tunnels	Request to please remove the same as these a vendor specific clauses and they are firewall features	Corrigendum : Please refer to revised specification of this item,
317	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 113/114	113, 114	Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel module for connectivity to the external Fiber channel Switch and ultimately to the storage device	Request to modify the specification: "Two hot-plugs/hot-swap redundant 16 Gbps Fiber Channel or FCoE module for connectivity to the external Fiber channel Switch and ultimately to the storage device" Justification: Latest generation blade architectures support dual converged modules for IO connectivity for carry LAN and SAN traffic. This helps in simplification, lower cabling, power & cooling without compromising throughput. We support dual converged modules to carry both LAN & SAN traffic. Hence kindly allow for covered IO modules.	Minimum has been specified, bidders free to provide converged IO modules, to achieve same overall functionality.
318	Volume 2, Section No. 6.2 Smart Data Center and Disaster Recovery Infrastructure Components e) Blade Chassis Specifications, Page No. 114	114	Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), having Layer 2/3 functionality	Request to modify this to: " Minimum Two hot-plug/hot-swap, redundant 10 Gbps Ethernet or FCoE module with minimum 16 ports (cumulative), to meet uplink bandwidth per server for a fully loaded chassis " Justification - Sufficient bandwidth should be provisioned considering fully loaded chassis even if not all blade slots are populated. This will maintain the same optimum performance level & investment protection even in case of any future expansion of number of blades in the given chassis	Minimum has been specified, bidders free to provide better solution
319	Volume 2, Page No. 104, IP Phone Specifications	104	7) Supported Protocol: SNMP, DHCP, DNS	Request to modify : Please remove SNMP Justification : SNMP traps pertaining to monitoring IP Phones by done centrally from the IP PBX by configuring and monitoring the IP PBX node and leveraging the relevant SNMP MIBs.	Tender clause remains unchanged
320	Volume 2, Page No. 104, IP Phone Specifications	104	9) Speaker Phone: Full Duplex Speaker Phone with echo cancellation.	Request to modify : Please remove "Echo Cancellation" Justification : Echo cancellation is handled at overall solution level.	Tender clause remains unchanged
321	Volume 2, Page No. 104, IP PBXSpecifications	104	Request addition	Redundancy for Call Processing. Justification : It will be critical to ask for redundancy at call processing level, else it will be a single point of failure.	Minimum has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
322	Volume 2, Page No. 104, IP PBX Specifications	104	Request addition	Support Video IP Phones. Justification : Video IP Phones is provided by many OEMs and it provides excellent communication to users along with HD video with a 5 inch screen.	Minimum has been specified, bidders free to provide better solution
323	Volume 2, Section No.6.1.5. Other Requirements, Sr. No. 1, Page No. 101	101	The Command and Communications Center will be the nodal point of availability of all online data and information related to various current and future smart elements and will be connected to other network of services in Vizag through an integration layer.	The proposed Command and Communications Center solution - Data Normalization Software should be deployed in at least 1 city in India with at least 5 use cases/systems like Smart Lighting, Parking System, Environmental system, Video analytics system and video node along with smart light etc . Proposed Dta Normalization Software should have presence in 5 cities globally. Bidder to furnish OEM self-certification with the names of the cities.	Minimum has been specified, bidders free to provide better solution
324	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	8.The platform should be able to normalize the data coming from different devices of same type (i.e. different lighting sensors from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers	1. As per our understanding, The proposed "Command and Communications Centre Solution" architecture should have combination of data normalization software (IoT Platform) and City operation center software. 2. Request technical committe to allow bidder to propose combination of Cloud platform for "Data Normalization Software" and Operation software on permise, This will enable us to proposed word leading solution and global best pratices for project.	Minimum has been specified, bidders free to provide better solution
325	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	7.The platform should be able to integrate with any type of sensor platform being used for the urban services irrespective of the technology used.	Request to add some global standard for sensor platform; 1. Location enginesShould provide the geographical coordinates of specific facilities, roads, and city infrastructure assets, as well as unmapped facilities , calculates distance between two, or more, locations on the map , locates and traces devices on the map 2. Device engine should provide aggregation of sensors from diverse sensor cloud ,organizes sensor data and assigns attributes based on relations; raw data removed and passed to data engine 3. Data and Analytics engine should stores data feeds from the device engine and external data sources, provides time-shifted or offline analytics on the archived data, delivers reports based on events triggered by device engine data and external notifications 4. Service management should performs service management 5. Subscription engine should provide unique user roles, authentication, and access based on user subscriptions, provides user-based application access and viewing	Minimum has been specified, bidders free to provide better solution
326	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33, Page No. 93.	93	Add Point	Sensor platform OEM should provide online Developer Program tools that help City to produce new applications , and/or use solution APIs to enhance or manage existing solution free of cost. OEM should have technology labs via an online public facing web interface. These labs should be available 24X7.	Tender clause remains unchanged
327	Volume 2, Section No. 6.1.3. Functional & Technical Specifications of the Application Software, Sr. No. 7, Page No. 94	94	8.Solution & Platform: The platform should be able to normalize the data coming from different devices of same type (i.e. Different lighting sensor from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers.	Request to add following sentence to this requirement: "The platform should support distributed deployment of functions (workflows & policies) across city's network and compute infrastructure with centralized management and control." <i>This enables the solution to have distributed intelligence across the network and data centers so that critical event handling is not dependent on cloud and data center availability .</i>	Minimum has been specified, bidders free to provide better solution
328	Vol 2., 6.2.5. Data Center Switch (1G)	122	12: Management - 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	Request to modify this as following "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"	The clause may be modified as, "Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI OR GUI based software utility/web interface"

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
329	Vol2	128	o Proposed Network Management shall integrate with SLA & Contract Management system in order to supply KPI metrics like availability, utilisation, and performance in order to measure central SLA's and calculate penalties.	Change Network Management to Server Management. Else, this is a repeat of the clause made under Network Management System. Also, integrating various systems with SLA and Helpdesk will lead to inconsistencies	Tender clause remains unchanged
330	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected from the proposed solution to use Big Data Analytics for Root cause identification and issue remediation to reduce major incidents	Minimum has been specified, bidders free to provide better solution
331	Vol 2	129	Helpdesk system should provide incident management, problem management templates along with helpdesk SLA system for tracking SLA's pertaining to incident resolution time for priority / non-priority incidents..	Is it expected from Helpdesk to utilize big data analytics to allow for spotting service desk trends easily by providing a clustered view of recurring themes hidden in the huge quantities of unstructured data. This feature will Isolate problems faster and manage proactively	Minimum has been specified, bidders free to provide better solution
332	Vol 2	126	• Application should be pre-configured so as to allow the users to generate timely reports on the SLAs on various parameters.	SLA are customer specific. It needs to be configured in the system after discussion with customer. Cannot be pre-configured.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. As general NMS tool is expected to have certain out-of-box reports which may be further customised to solution & SLA requirement.
333	Vol 2	126	• Support real-time reports (like at-a-glance status) as well as historical analysis reports (like Trend, TopN, Capacity planning reports etc.) o Resource utilization exceeding or below customer-defined limits o Resource utilisation exceeding or below predefined threshold limits	There are various historical analysis reports provided by the NMS systems, but the term 'at-a-glance' is OEM specific.	Term 'at-a-glance' has been used as an example. Equivalent can be supplied
334	Vol 2	126	The solution must have the ability to define and calculate key performance indicators from an End to End Business Service delivery perspective related to Surveillance Project under discussion.	Is End User experience monitoring also in scope of EMS w.r.t. to Business services?	Minimum has been specified, bidders free to provide better solution
335	6.4.2 Vol 2		Data integration with existing system (APIs will be provided) for flood water sensors	Details of the APIs of existing system to be integrated into Environmental sensor Platform may please be provided.	Details will be provided to successful bidder on onboarding
336	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; Data protection: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 4 hours	The industry standard for protecting data by cache protection is 72 hours; please change to: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 72 hours	Minimum has been specified, bidders free to provide better solution
337	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; RAID Support: RAID 0, 1, 1+0, 5+0 and 6	Since the architecture will consist of high capacity disks, its important to be protected against failure of more than one disk and hence we request to change the RAID support to: RAID 0/ 1/ 1+0/ 5+0 /6 or better	Minimum has been specified, bidders free to provide equivalent or better solution
338	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33	93	8.The platform should be able to normalize the data coming from different devices of same type (i.e. different lighting sensors from different OEMs, different energy meters from different OEMs etc.) and provide secure access to that data using data API(s) to application developers	1. As per our understanding, The proposed "Command and Communications Centre Solution" architecture should have combination of data normalization software (IoT Platform) and City operation center software. 2. Request technical committe to allow bidder to propose combination of Cloud platform for "Data Normalization Software" and Operation software on permise, This will enable us to proposed word leading solution and global best pratices for project.	Minimum has been specified, bidders free to provide better solution

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
339	Volume 2, Section No. 6.1.3. Functional Specifications of the Application Software, Sr. No. 33	93	8.The platform should be able to normalize the data coming from different devices of same type	The Smart City Data Normalization Software OEM supplier should be industry leader and belong to leader quadrant of the "Navigant Research Leaderboard Report For Smart City Supplier". This will enable us to proposed word leading solution for project.	Minimum has been specified, bidders free to provide better solution
340	Volume 2 6.3 Red Light Violation Detection System	141	Sec 6.3.1 Functional Specification Line item 7 The Evidence and ANPR camera should continuously record all footage in its field of view to be stored at the local base station.	Is the footage here refers only RLVD violation footage(10 seconds violation video) for all violations?	Tender clause remain unchanged Cameras should keep recording continuously. Alarm should be raised for Red light violation
341	Volume 2 6.3.5 RLVD application	144	Line item 22: Image should have a header/footer depicting the information about the site IP and violation details like date, time, equipment ID, location ID, Unique ID of each violation, lane number, Regn. Number of violating vehicle and actual violation of violating vehicle etc. so that the complete lane wise junction behavior is recorded including (Speed of violating vehicle, notified speed limit, Signal Jumping, Stop Line Violation, Speed Violation with Registration Number Plate Recognition facility.	Please clarify is the speed of the violating vehicle, notified speed limit is part of RLVD application?	Speed limits of the area will be applicable. System should support speed ranges
342	Volume 2 6.3.6 Technical Specifications	145	Line item 3.a The system should be equipped with appropriate storage capacity for 7 days 24X7 recording, with overwriting capability. The images should be stored in tamper proof format only.	Is the local storage is only for violation data? Is the evidence camera live feed also to be stored locally for 7 days in case of network failure?	Technical scope is self explanatory
343	Volume 2 6.3.6 Technical Specifications	146	Line item 4.a Encrypted data, images and video pertaining to Violations at the Onsite processing station should be transmitted to the CCC electronically through GPRS based wireless technology with 3G upgradable to 4G, in Jpeg format.	Is fiber connectivity is allowed? Better to have wired connectivity	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
344	Volume 2 6.5.1 Functional Specifications	150	Line item D. A VMD software system shall be provided to the Command and Communications Center for message preparation monitoring and control of the variable message signs. IP based Network equipment shall be provided to connect the VMD with the VMD software system.	Is the connectivity from command and communication center to VMD is wired? Or wireless?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
345	Volume 2 6.5.2 Technical Specifications	152	Line item i=>24 Battery <input type="checkbox"/> 230VAC+ 15%, 50Hz, Single Phase (automatically re-start in the event of an electricity supply failure) <input type="checkbox"/> Batteries with solar charging options can also be recommended as back up	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
346	Volume 2 6.6.2. Technical Specifications	153	Line item 6: Battery Internal Battery with different charging options (Solar/Mains)	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
347	Volume 2 6.7.2. Technical Specifications	155	Line item 6: Battery Internal Battery with different charging options (Solar/Mains)	How much UPS power backup is required? Is the Solar is must requirement to have for UPS charging?	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
348	Volume 2 6.8.1. Surveillance Equipment	156	UPS requirement (with minimum 30 minutes backup) is mandatory at 25% cameras	How many box camera and PTZ camera percentage? Is there any critical location camera's are included?	The cameras which come under 25% will be decided later. Can be a mix of PTZ and fixed
349	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	It is recommended to clearly identify in SLAs that cameras need to transmit quality video feed (appropriately focused, clear, un blurred, jitter free, properly lit, unobstructed, etc.). Packet loss to be less than 0.5%.	Is each camera will have one IR Illuminator associated with it? Is the camera expected to have in-built IR Illuminator	Technical scope/specification is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
350	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	These cameras need to work on 24 X 7 basis and transmit quality video feeds to the centralized data center and would capture the video feeds at 15 FPS for majority of the time and at 8 FPS for the lean period.	What is the majority of time and lead period in a day?	Technical scope/specification is self explanatory. Details will be worked out with successful bidders on boarding.
351	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	Not all the cameras would be simultaneously viewed at Command & Communications Centers. Command Center shall from time to time take decisions on utilization of Alerts / Exceptions / Triggers generated by cameras, and specify the client machines where these would get populated automatically.	How many camera's are simultaneously viewed at command and communication centers?	Technical scope/specification is self explanatory. Details will be worked out with successful bidders on boarding.
352	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	158	Accessibility to advanced analytics on recorded footages	What are the advance analytics required on recorded footages?	Examples include searching of people, objects on recorded footage. Technical scope/specification is self explanatory. Details will be worked out with successful bidders on boarding.
353	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	160	The Recording Server / System shall support Camera (analogue and IP cameras) devices from various manufacturers.	No Analogue camera is used for surveillance, then why the system should support analogue camera?	Tender clause remains unchanged
354	Volume 2 6.8.2. Functional Requirement of the City Surveillance System	167	Video Analytics	What are the video Analytics required? How many licenses are required for each category of video analytics?	Require discussion with Ranjit/Jitendra Examples include Unidentified Object, Trespassing, Vehicle moving in wrong direction, Vehicle parked in no parking zone, Loitering
355	Volume 2 Annexure 4: Existing Sensor Details	237	Line item 4 CCTV 432 camera(PPP model)	1. How many Fixed box cameras? 2. How many PTZ cameras? 3. Is there any other camera type like fish eye camera? 4. Does the CCTV camera has in-built IR illuminator 5. What is make and model of the cameras? 6. Is the existing CCTV system is working? 7. Is the storage, recording and VMS license is available for the existing CCTV system? 8. Is the existing CCTV cameras are ONVIF compliant? 9. Is the existing camera are connected via fiber to the control room?	Details of existing cameras for integration will be finalised in consultation with the authority by the succesful bidder. CCC should have provision for integraionas mentioned in scope of work of vol 2 of RFP
356	Volume: 2	217	Bus Stop LED Display: Along with the visual display, the next bus stop will also be announced in English and Hindi.	Do we need audio annoucement in Bus Stop along with Display?	Yes. Technical scope is self explanatory
357	Volume: 2	201	Cameras focusing inside the bus	Number of camera needed in side the bus? Duration of video recording need to be stored locally?	Minimum 1 camera inside bus
358	Volume: 2	201	Special security governance for the bus crew	What are "special security governance for the bus crew".	Governance of security systems for the bus crew
359	Volume: 2	204	PIS at bus stations will be connected through mobile communication to Central Control Centre GIS module to generate the ETA information for various bus stops.	Do we need UPS power back up for Bus Stop Display and Cameras. If yes then for what duraion?	Bidder will have to provide adequate power backup as per industry benchmark

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
360	Volume: 2	211	The minimum scalability will be for 2000 Buses, 2000 PIS for BQS and Bus terminal, 50 bus depots and 30 UPTS. Authority will not pay any excess fees for increase in volume up to scalability.	Software will provide the minimum scalability for 2k and more bus without additional S/W cost But Hardware /server and any license upgradation to support scalability will be with actual cost. Please confirm.	Both software and hardware costs are to be considered for scalability upto 2000
361	Volume: 2	201	Panic buttons to raise an alarm	Number of Panic Button to be placed inside the Bus. Should we send snap shot of inside Bus image as part of alert on pressing Panic button.	Minimum two, bidders free to provide better solution
362	Vol 2/6		Technical specification	If the solution is to be hosted in cloud why the specifications of storage , router , firewall , IPS server are mentioned	Response deferred till decision on cloud solution is taken Bidders can propose any type of solution - public cloud, private cloud, in premise. These requirements should be met.
363	1	80	Mobile/Aadhar biometric device for workers	What is the purpose of Biometric Device for Workers. Is it only Attendance (Time IN/OUT) or Any other Use Case	Technical scope is self explanatory
364	1	80	Mobile/Aadhar biometric device for workers	Is the assumption of having the biometric device integrated with Tablet correct ? or External biometric device connected via USB on Tablet also OK ?	Technical scope is self explanatory in vol 2..Mobile biometric device for workers is to be provided.
365	1	80	Mobile/Aadhar biometric device for workers	Is this similar to the BOM Item in L4 ? or a separate Integrated unit ?	L4 line item is Mobile GPS based staff attendance management system
366	1	81	M City Bus Intelligent Transport System M8 : PIS Management System	Is the PIS for In single Bus use or also needs to be connected to other buses for communication between buses & control towers ?	Yes
367	1	81	M City Bus Intelligent Transport System M8 : PIS Management System	Does the PIS also needs to work as GPS Tracker, Internet WIFI Router(4G in Bus) or it's only a display system for the Bus Occupants ?	Please refer vol2 of RFP. Technical scope is self explanatory
368	2	103	Monitoring wks	Specify processor or specify Xeon 3 Ghz or Above	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
369	2	103	Chipset	Please specify chipset as Intel® C236 chipset	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
370	2	103	Memory	DDR4 2133 ghz ,upgradable up to 64 Gb	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
371	2	103	Graphics card	Please specify Nvidia Quadro 2 Gb card, in case user wanted to use 3 monitors then she should card like NVS 510 or K1200	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
372	2	103	HDD	This platform has 4 bays only to maximum 4 hdd can be populated ,only 8 Gb flash storage available with 1 TB HDD (1TB SATA 7200 rpm 8GB 3.5" SSHD (hybrid))	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
373	2	107	Print Speed	Since this is a color printer, request to change the speed to A3 Speed: 15 PPM both Color & Mono A4 Speed: 30 PPM both Color & Mono. This is an OEM neutral specification	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
374	2	107	Memory	Memory is very less for a color printer as lot of processing is required for printing in color. Request to increase to 768MB which is an OEM neutral specification.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
375	2	107	Paper Capacity	Since this is an A3 printer, request to consider separate trays for A3 and A4 pages. 250 sheet Automatic Tray for A4 500 sheet Automatic Tray for A3 250 sheet Output Tray	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
376	2	107	Duty Cycle	Duty Cycle defines the over all robustness of the product. Request to increase it to 1,00,000 pages which is an OEM neutral specification.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
377	6.8.2 Functional Requirement of the City Surveillance System	Vol2 - Page no 158	Personalized Dashboard (depending upon grade of police officer)	Request the authority to elaborate the level of VMS privileges required for the police officer depending upon their grade	Bidder is required to do process study and detailed integration requirements shall be finalised in consultation with the authority
378	6.8.2 Functional Requirement of the City Surveillance System	Vol2 - Page no 158	Biometric standardized coupled with login name & password should be enabled to ensure that only the concerned personnel are able to login into the system.	VMS will be authenticated with a secured username and password. Hence biometric level of authentication again is not a feasible idea	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
379	6.8.2 Functional Requirement of the City Surveillance System. VMS overview	Vol2 - Page no 164	VMS client shall have the capability to work with touch enabled multi-monitor workstations. It shall be capable of displaying videos in up to three (3) monitors simultaneously.	Touch base operations will not give full flexibility to the user to operate the VMS complete features. As the virtual keyboard and other functions like PTZ operations shall not be comfortable to operate over touch base method.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
380	2.2. Component Architecture	Vol2 - Page No 10 & 11	GIS Base Map shall be developed or procured, supplied and integrated by the Systems Integrator at 1:1000 scale or better with all surveillance cameras located on the map apart from the updated map of all buildings, utilities and roads. If this requires field survey, it needs to be done by Successful Bidder. If such a data is already available with Authority shall facilitate to provide the same. Bidder is to check the availability of such data and it's suitability for the project.SI is required to update GIS maps from time to time	Kindly clarify if the GIS Map is already available with the Corporation or does it need to be procured fresh by the Bidders for this Project. For achieving 1:1000 Scale, Map Image needs to be procured from NRSE (ISRO) with End User Authorization and is also a time consuming activity. Can we alternatively use Google Base Maps as Web Service as it will save time and general POI,s are readily available. Customer Specific POI's & Map layers will be surveyed and created over the Google Base map. Kindly advise	Technical scope is self explanatory. Details will be worked out with successful bidders on onboarding.
381	6.10 ICT Enabled Smart Solid Waste/Bin Management	Vol2- Page no 200	Functional requirement for the sensors shall be as under:Environmental Protection : Compliance to IP67 standard	Can this be modified to IP 65 as IP65 Standards provides - Protection from total dust ingress & Protection from low pressure water jets from any direction, limited ingress protection. IP 67 only adds - Protection from immersion between 15 centimetres and 1 metre in depth, limited ingress protection, which is not required as per the use case referred above	Tender clause remains unchanged
382	Vol 2, Section 6.7.1	155	Communication type to ECB	Should it be a video based call or image based call.	Technical specification is minimum, indicative & self explanatory
383	Vol 2, Section 6.7.1.a	155	to establish a two way audio (microphone and speaker) & camera (video camera and a video screen) communication link	Is the Video Live streaming or static photo? Is Video Screen a Must? Two video communication will consume very high bandwidth. Instead, only still images of the caller can be sent to police	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
384	Vol 2, Section 6.7.1.c	155	The emergency feature must also be available within the mobile app	What should be the platform/s supported? Android,Windows,Mac?	It should support all platforms
385	Vol 2, Section 6.7.2.5	155	Camera On ECB	What should be the minimum camera(Picture) resolution and camera lens quality.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
386	Vol 2, Section 6.7.2.5	155	Button On ECB	What is the basis for defining a call to land at Police station or at the control room on a single call push button.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
387	Vol 2, Section 6.6.2.3	153	Connectivity to PAS	Is it a wireless IP based (Point to point connectivity with 3G/4G network) connectivity or it would be wired IP based(Fiber optic) communication Media?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
388	Vol 2, Section 6.6.1.d	153	Power Supply to PAS	Amplifier based announcement Speaker can't run on the PoE. As we will be needing an interface card between the control room and PAS for voice amplification.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
389	Vol 2, Section 6.6.1.f	153	Selecting announcement location for PAS	Is it to be a hardware device or it can be GUI based?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
390	Vol 2, Section 6.5.1.c	150	Local Controller on VMD	Which kind of controllers needed. Would it be any hardware interface for communication or any GI based interface to communication? If it is hardware based interface, what is the type of interface needed.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
391	Vol 2, Section 6.5.2.i.5	151	Contrast Ratio:R2-R3 as per EN 12966	Please confirm whether is should be R2 or R3	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
392	Vol 2, Section 6.5.2.i.7	151	Display capability: Alpha-numeric, Pictorials, Graphical & video	Typically,videos are not run on a VMD as it is a messaging sign & not a advertisement board. Indian Government norms & international norms do not allow video to be shown on VMD as it is for incident / travel time & other emergency messaging to motorist/ public. Advertisement on roads might cause accidents due to distractions	Tender Clause Remains unchanged
393	Vol 2, Section 6.5.2.i.11	151	Language on VMD	Is Marathi Language in Vizag needed or is it supposed to be Telugu?	Telugu

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394	Vol 2, Section 6.5.2.i.14	152	Storage capacity:60 GB	VMDs all over the world have a memory to keep 100 messages/ Pictograms etc which is less than 1 GB requirement. As per traffic norms showing more than 4 messages in a message cycle will not give results as people cannot read the messages while travel or during signal halts. While you are on the move in the vehicle, one can read max 2 messages within the reading zone If we need to store videos too, even then, 32GB is enough space.For a data rate of 2megabits per second for 720p video, an hour of video has 3600 seconds, so that's 7200 megabits, which is 900 megabytes of video...which is approximately 1GB space for 1Hr video. So, with 32GB space, we can store upto 32 hrs of video of this bit rate and resolution	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
395	Vol 2, Section 6.5.2.i.20	151	Connectivity to VMD	Is it a wireless IP based (Point to point connectivity with 3G/4G network) connectivity or it would be wired IP based(Fiber optic) communication Media?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
396	Vol 2, Section 6.5.2.i.24	152	Batteries with solar charging options can also be recommended as back up	Please specify minimum back-up time	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
397	Vol 2, Section 6.5.2.i.26	152	IP-66 rated for housing all control equipment	It is recommended that Front is IP65 and Rear is Ip54	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
398	Vol 2, Section 6.5.2.i.28	152	Message Validity on VMD	Incase of communication failure to control room should it display the default message or it should go blank?	If the controller is unable to connect to the server for the next message, it shall not display the old message, which has passed its expiry time. Instead it shall be programmed to display a default message.
399	Vol 2, Section 6.4.2	149	Details of the APIs of existing system to be integrated into Environmental sensor Platform	Existing systems may provided for understanding the Integration method.	Details will be worked out with successful bidders on onboarding.
400	Vol-2, Section 6.4.2	149	Component Measurement range for SO2 : 0 to 500 ppm	For Ambient Environmental Monitoring 500ppm SO2 limit is irrelevant as at 20ppm concentration Paralysis or death occurs as per http://www.ivhnh.org/index.php?option=com_content&view=article&id=82 (Screenshot Attached) and as per US-EPA "revised the primary SO2 NAAQS by establishing a new one-hour standard at a level of 75 parts per billion (ppb) = 0.075ppm. EPA revoked the two existing primary standards because they would not provide additional public health protection given a one-hour standard at 75 ppb. (Source Wikipedia : https://en.wikipedia.org/wiki/Sulfur_dioxide safety section, Screenshot attached)	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
401	Vol-2, Section 6.4.2	149	Component Measurement range for NOX : 0 to 50ppm , 5000ppm	Measurement Range 0 - 50ppm is clear but what is the significance of 5000ppm ? Please specify with clarification	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
402	Vol-2, Section 6.4.2	149	Component Measurement range for CO : 0 to 50ppm, 5000ppm	Measurement Range 0 - 50ppm is clear but 5000ppm is not clear. Please specify with clarification	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
403	Vol-2, Section 6.4.2	149	Component Measurement range for CO2 is 10% or 20%	In ambient condition level of CO2 does not cross 2000PPM (2%). Why are we going for such a high measurement range ?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
404	Vol-2, Section 6.4.2	149	Component Measurement range for PM2.5 is 230 ug/m3	But as per Indian Air Quality Index (AQI) the upper limit is 250ug/m3 (Source : https://en.wikipedia.org/wiki/Air_quality_index). At many places PM2.5 level crosses 1000ug/m3 during some time period of the day. So required measurement range of upto 230ug/m3 is an insufficient range for PM2.5	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
405	Vol-2, Section 6.4.2	149	Component Measurement range for PM10 is 450 ug/m3	But as per Indian Air Quality Index (AQI) the upper limit is 430ug/m3 (Source : https://en.wikipedia.org/wiki/Air_quality_index). At many places PM10 level crosses 1000ug/m3 during some time period of the day. So required measurement range of upto 230ug/m3 is an insufficient range for PM10	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
406	Vol-2, Section 6.9.11	185	Component Measurement range for SO ₂ : 0 to 500 ppm	For Ambient Environmental Monitoring 500ppm SO ₂ limit is irrelevant as at 20ppm concentration Paralysis or death occurs as per http://www.ivhnn.org/index.php?option=com_content&view=article&id=82 (Screenshot Attached) and as per US-EPA "revised the primary SO ₂ NAAQS by establishing a new one-hour standard at a level of 75 parts per billion (ppb) = 0.075ppm. EPA revoked the two existing primary standards because they would not provide additional public health protection given a one-hour standard at 75 ppb. (Source Wikipedia : https://en.wikipedia.org/wiki/Sulfur_dioxide safety section, Screenshot attached)	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
407	Vol-2, Section 6.9.1	176 & 177	2. Should be able to support 1 light arm with maximum height requirement up-to 30 meter. 25. It should be possible to support 2 light arm option by smart pole	Please clarify whether the smart pole should support upto one or two light arms.	Technical scope/specification is self explanatory. It
408	Vol-2, Section 6.9.1	176	7. It should be possible to support connectivity for Smart pole	Please specify what type of connectivity needs to be supported	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
409	Vol-2, Section 6.9.4	178	3. Color rendering index (CRI) of the LEDs used in the luminaire shall be greater than 70. 9. CRI of Luminaires: >=70 (supported by LM8o)	Both the points are same and hence one of them is redundant	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
410	Vol-2, Section 6.9.6	182	2. Very easy key board operation 3. HMI LCD display. 16 character and two line type display. Which help while maintenance and reduce dependability. Contentious Scrolling display of events (Like ON time, Off time, Dimt time, Voltage, Current, Staggering time , Alarm events, Burning hours, etc.) on Single HMI LCD display to help the local monitoring of systems. Parameters can be updated from local panel. Log the alarm of last 5 events	What is the use of an LCD display on a controller box that gets installed at least 10-15ft above the ground? This only increases the cost of the project without adding any value. Also modren light controllers are embedded into the luminaire itself - making it very discreet and easthetically pleasing to view the street light. When there are thousands of controllers, it is not possible to go to every street light and configure/view individually street light controllers. This can be easily done from the Command Centre itself. We request the authorities to remove this requirement.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
411	Vol-2, Section 6.9.6	182	4. Data Measurement for Monitoring and controlling Data monitoring through Class 1 type Multi – Function Panel mounted Energy meter : By using this to measure the individual phase voltage, individual phase load amps, PF, KW, KVA, KVAR, Phase to Phase voltage, Average PF, KWH etc. (Local display of 36 and 28 for remote display in software)	1. Again for this also, there is no need of an LCD display as no one is going to view/read the energy readings of each street light manually. This again increases the project cost without adding any value. All the values are automatically transmitted to the Command center and can be viewed even on a mobile phone. 2. Since the feeder already has energy meters, the energy meter for individual street light is unnecessary and increases the project cost without adding any value. 3. We request the authorities to remove this requirement.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
412	Vol-2, Section 6.9.6	182	5. Auto / Manual facility by way of contactor / relay operation for faster service mode. From local panel in manual mode it shows individual line / channel current and show no of lamp which is not working which helps to judging the problem in line (by difference of calibration current and existing line current. Judgment is possible for approximately find out no of lamps are not working	Again this is done in old technology controllers due to their unreliable controllers. In modren controllers, any lamp failure is automatically detected and that information is relayed to the Command Centre immediately. It can detect various faults like lamp failure, controller failure, network failures etc. Please remove this requirement.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
413	Vol-2, Section 6.9.6	182	7. Door Open information	Since the modren controllers are embedded into the street light, there is no separate panel board for the controller and hence please remove this requirement.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
414	Vol-2, Section 6.9.6	182	10. Master and user Password Protection.	For security reasons, modren controllers mare not configurable/programmable by an end-user. They are remotely done from the Command Centre. Please remove this requirement	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
415	Vol-2, Section 6.9.6	183	12. Double Inrush current capability of electrical switch gears to support sodium vapor lamp	Since all the street lights are LED lights, this requirement is invalid	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
416	Vol-2, Section 6.9.7	183	11. Can be operated and viewed from anywhere in the world	Having an ability to operate from any where in the world leads to security issues. The lights should be controllable only from the Command Centre due to security reasons. Viewing is fine, but control from anywhere is bad. Please modify this requirement.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
417	Vol-2, Section 6.2	111	Smart datacenter and disaster recovery infrastructure components	Please provide the number of racks to be considered for each datacenter and power density to be considered per rack	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
418	Vol-2, Section 6.2	111	Smart datacenter and disaster recovery infrastructure components	Kindly specify type of cooling and capacity required for primary and secondary datacenter	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
419	Vol 2, Section 2.2	11	Integration	Please provide a comprehensive list of the systems required to be integrated with the ERP and their underlying technology. What, if any, is the preferred mode of Integration. Can we propose a Flat Files based integration in Batch Mode or should it be a real time SoA based integration approach.	Details will be worked out with successful bidders on onboarding.
420	Vol 2, Section 2.3	12	Timeline	Can we propose a Pilot + Rollout Methodology or will it be a Big Bang approach for all Users, Modules, Locations etc. in one go	Please check project timelines in RFP
421	Vol 2, Section 3.1	13	User Interface	Please confirm that the Data will be entered and stored only in English. The static fields in the GUI and Reports can be Bi-Lingual, but the data fetched and entered shall be only in English.	Technical scope in RFP is self explanatory
422	Vol 2, Section 3.8	40	Budget	Is the requirement covering the Budget Entering in ERP and its management and tracking only ? Or is it required to do Planning and Forecasting of Budget as well, based on Historical Data and Formulae ?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
423	Vol 2, Section 4.2	74	Implementation Plan	Please specify the HA requirement from ERP perspective.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
424	Vol 2, Section 6.5.2, i, 11	152	Language of Display	Please confirm the languages in which the Display is required. Is "Marathi" required ?	Telugu & English
425	Vol 2, Section 7.1	219	Payment Schedule	There are multiple streams of Scope in this engagement, that require separate and disconnected Payment Schedule. Request to please segregate the Product, License, Services etc.	Tender clause remains unchanged
426	2: 6.1.1.2	93	CCC shall be a fully integrated, web-based solution that provides seamless incident – response management, collaboration and geo-spatial display	CCC system (client-server architecture) with thick client stations should be allowed as opposed to 'only' a web based system. Web based reports and dashboard should be required for management access.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
427	2: 6.1.4.3	100	Integration Capabilities - Single Dashboard	Is the understanding correct that C&C Dashboard should not replicate the sub-systems data and only show the alerts/exceptions raised by individual systems. For e.g. Smart Lighting/Env Sensors/WaterMgmt/Waste Mgmt?	Technical scope is self explanatory
428	2: 6.9.1	176	Smart Pole	Should be able to support 1 light arm with maximum height requirement up-to 12 meter. There is a practical issue with light at 30 mtrs and also with camera in the pole.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
429	2: 6.9.1	176	Smart Pole	The maximum allowed diameter (at bottom section) should be <u>275 mm to allow better cooling and withstand wind speed of 170 kmph</u>	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
430	5.1. Prepare & Access	80	camera mounting requirements, power requirements, and connectivity requirements	Cameras are connected as LAN infra architecture for the project	Technical scope is self explanatory
431	5.1. Prepare & Access	80	If some camera requires change of field of value, it should be done by SI without any extra cost, in consultation with Authority/Authority....It is specified as rare	How many changes in cameras values are applicable to consider as extra cost	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
432	5.1. Prepare & Access	82	The core (backbone) network connectivity is out of Bidder's scope (to be provided by APSFL), last mile connectivity i.e from junction aggregation points to edge devices, is to be provided by the Bidder	Junction to end devices can be provided over wireless	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
433	Obtain all necessary legal/statutory clearances for erecting poles	88	In case the pole is damaged by a vehicular accident (or due to any other reason outside the control of SI) and needs repair, then the SI will need to repair / have the new pole within 15 days of the incident. Damages are to be borne by SIs in such cases through proper insurance	Non manufacturing defects can be claimed? For Poles & cameras	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
434	Provision of the Electricity	88	Bidder has to plan the power backup based upon the power situation across the city.	What is the power backup rating is to be maintained?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
435	6.3. Red Light Violation Detection System	141	Traffic violations to be automatically detected by the system by using appropriate Non-Intrusive sensors technology:	Red violation can be performed with Video analytics or should be a combination of sensors installed & software	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
436	6.4. Smart Environmental Sensors	148	6.4.1. Functional Specifications	In functional specifications the installation details are not provided. Is it a Pole mountable or Roof top mountable system	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
437	6.6. Public Address System	153	d) The system shall contain an IP-based amplifier and uses PoE power that could drive the speakers.	PoE power that could drive the speakers 200 Watt is not Possible, maximum 60 Watt	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
438	6.7. Emergency Call Box	155	a) The emergency box (or panic button) will enable citizens to establish a two way audio (microphone and speaker) & camera (video camera and a video screen) communication link with Police	Two way audio is possible & command center personnel can view person at Emergency box; But video screen on Emergency box is not possible since it is used outdoor conditions	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
439	6.8.5. Fisheye camera	172		In BOM this camera details are not specified and installation location as well	Details of location will be worked out with successful bidders on oboarding.
440	6.10.3. Details of Work	198	RFID based Bin Management System	Technical specifications of RFID readers and Tags are not specified	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
441	RFID based Bin Management System	198	The RFID readers shall be integrated to the vehicle GPS device unit to achieve this functionality.	If RFID readers are connected to solid waste vehicle, how do real time status of BIN are captured	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
442	Weight & Volume Sensor management System	199	The weight sensor shall sense the level of occupancy of the bin placed above and trigger alert signal to the city operation center application through GPRS/GSM network.	Weight sensor is for BIN which will be at a road side and each BIN is connected with GSM/GPRS Modem. Overall GSM/GPRS modem, RF tag & Weight sensor are required for each bin.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
443	Vol-1 Proposed Bill of material	81&84	Environmental sensors	Differences between Smart Environmental sensors stated in BOM component F1 and K12 are these are portable boxes or Aie quality station similar to one installed at GVMC terrace.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
444	Vol 2, 6.2d DC and DR Locations	113	Servers	Please provide us the necessary traffic projections to size the servers, storage and network components accurately. Customers/Accounts on a current day scenario and projections for next 5 years.	Bidder is required to do process study and detailed integration requirements shall be finalised in consultation with the
445	Vol 2, 6.2d DC and DR Locations	113	Servers	What is the unplanned downtime of the server in a year and • What is the planned downtime of the server in a year for new version upgrades, installations & maintenance activities?	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
446	Vol 2, 6.2d DC and DR Locations	113	Servers	What is the unplanned downtime of the server in a year and • What is the planned downtime of the server in a year for new version upgrades, installations & maintenance activities?	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
447	6.2 (vol2)	115	Smart Data Center and Disaster Recovery Infrastructure Components (f) Primary Storage; Data protection: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 4 hours	The industry standard for protecting data by cache protection is 72 hours; please change to: The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for up to 72 hours	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
448	6.2 (vol2)	116	Smart Data Center and Disaster Recovery Infrastructure Components (g) Secondary Storage; Secondary Storage (Archival/Backup) can be on any media such as Tapes, Disks, Disk systems, etc. or its combination. (so as to arrive at lower cost per TB)	Tape is an unreliable media and operationally more complex and costly to manage. Hence we request that secondary storage medium be restricted to only Disks.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
449			Throughput for video surveillance	with >500 cameras and several video cameras that transmit at 15FPS, the underlying storage should have dense throughput architecture to manage the large ingest of feeds; the Primary storage should be supporting a minimum of 3Gbps sequential write throughput; Performance benchmarks / calculations for primary storage should be submitted by OEM	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
450	Vol-2, 6.1.4.	101	The water level sensors (used for flood detection on streets) will send the ambient water levels accumulated on the street to the CCC through the available connectivity.	Please specify the details of the integration with the flood monitoring system in terms of API's and protocols.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
451	Vol-2, 6.1.2.	93	Unified Communications & Contact Center	Please specify the proposed contact center is to handle emergency calls from citizens, is there any general contact center is there in existing system for reporting civic issues.	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
452	Volume 1 Section 2.1 General	Pg 6	The bidder shall submit within 3 days of online submission, complete proposal (excluding Commercial bid) in the hard copy format to authority signed by the authorized signatory of bidder, which should match with the bid submitted online.	Please mention the date for submission of hard copies of Pre-qual and technical documents.	Details are mentioned in RFP
453	Volume 2, Section 11	109	21. Casing-IP66 Rated	Kindly clarify why do we require IP 66 Protection for Indoor Fixed dome cameras? As per industry practice IP66 will be provided for cameras which are placed in outdoor environment	Tender Clause Remains unchanged
454	Volume 2 Section 6.2.7	125	Should support industry leading backup software such as Symatec Net Backup	Kindly provide the OEM Criteria for Backup software.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
455	Volume 1, Section 6.6.2	153	Public Address system PA Speaker	Kindly provide the wattage capacity of each speaker.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
456	Volume II, 6.9.3.Smart Street Light Solution	177	Smart street lighting system should be able to communicate to the feeder panel.	Please confirm whether the Proposed System is Feeder Panel Based Group control System for Group lighting Controlling of LED Lamps or Individual Lamp Based Control System.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
457	Volume II, Annexure 4	233	Junction list	Please provide the approximate cameras quantity required in each junctions	Please refer commercial bid format for quantities
458	Volume II, Annexure 4	237	Existing sensor details	Please provide the Make ,model and version number of the existing system/sensor details.	Details will be worked out with successful bidders on oboarding.
459	Volume-II, 6.9.4. LED Luminaire Pg. 179 - Point 23	Pg. 179	Cover/glass without lens or with lens: Fixture cover-UV stabilized Polycarbonate/heat resistance toughened glass or equivalent will be accepted for the Luminaire without lens. For the Luminaire with lens, toughened glass be required with proper IP66 provision	Advanced IP 67 unbreakable modular optical system which increases luminaire efficiency by 20% & uniformity ratio by 25% as compared to traditional LED Street Lights & eliminates the need of toughened glass. Hence request you to amend the clause with IP67 Protection	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
460	Vol-2, Section 6.9.1 Smart pole	176 & 177	2. Should be able to support 1 light arm with maximum height requirement up-to 30 meter. 25. It should be possible to support 2 light arm option by smart pole	This is contradicting with each other. Hence please clarify whether the smart pole should support upto one or two light arms.	Minimum Specification is Provided.
461	Vol-2, Section 6.9.1 Smart pole	176	7. It should be possible to support connectivity for Smart pole	Please specify what type of connectivity is required. It is it data connectivity or electrical connectivity.	Data connectivity

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
462	Vol-2, Section 6.9.6 LED Luminaire controller	182	5. Auto / Manual facility by way of contactor	This is normally done in traditional controllers due to their unreliability. In latest state of art controllers, any lamp failure is automatically detected and that information is relayed to the Command Centre on real time basis. Hence we request you to amend the clause to "automatic"	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
463	Vol-2, Section 6.9.6 LED Luminaire controller	182	6. Street light ON / OFF / Dim on Longitude, Latitude base sunset and sunrise time generation not by any fixed time table	We suggest you to change this requirement to operate the lights based on Ambient light sensor and Motion sensor instead of Sun rise and set.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
464	Vol-2, Section 6.9.6	182	7. Door Open information	We request you to amend this requirement as the controllers shall not be used for each pole.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
465	Vol-2, Section 6.9.7	183	11. Can be operated and viewed from anywhere in the world	This leads to security issues. Hence we request you to amend this requirement only to view the lights status. Not to operate.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
466	Vol # 2 - Blade Chassis	113	1.Minimum 6U size, rack-mountable, capable of accommodating minimum 8 or higher hot pluggable blades	Minimum 10U size, rack-mountable, capable of accommodating minimum 8 full height or 14 half height blade servers or higher hot pluggable blades. Rack size has to be increased. Kindly clarify	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
467	volume 2	126	Accept Data from a variety of formats; provide pre-configured connectors and adapters, Ability to define Adapters to data source in a visual manner without coding.	SLA are calculated by EMS from metrics generated from monitoring and Helpdesk solution. Is there some other SLA management solution that needs to interact with EMS for SLA calculation. Kindly clarify	Bidder has to provision afresh SLA management tool. There is no existing tool.
468	Volume 2, Annexure 4	237	Annexure 4: Existing Sensor Details	Request details on technical specifications of these sensors and what are the expectations from bidder wrt this sensors.	Indicative list of junctions for CCTV cameras has been provided as a reference.Details will be worked out with successful bidders on onboarding.
469	Vol 2., 6.2.1. WAN/ Internet Router	Page no.111	4. Protocol Support Must have support for TCP/IP, PPP, X.25, Frame relay and HDLC	The clause may be modified as: "Must have support for TCP/IP, PPP, Frame relay"	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
470	Vol 2., 6.2.1. WAN/ Internet Router	Page no.111	9. Security Feature URL based Filtering	Please remove url filtering as URL based filtering a firewall feature and it would downgrade the Router's Performance. Same can be achieved in asked Firewall	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
471	Volume 2, Section No. 6.2 .4,Intrusion PreventionSystem	Page 120-12	Should have an aggregate throughput of no less	Performance of IPS should be inline with Firewall.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
472	RFP Vol II, Section 6.2.7	Page no. 125	Should support industry leading backup software such as Symatec Net Backup	RFP has to be neutral & cant be a product/vendor specific. No products has inter-support functionality with another backup product.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
473	RFP Vol II, Network Management System	Page no. 128	Proposed Network Management shall integrate with SLA & Contract Management system in order to supply KPI metrics like availability, utilisation, and performance in order to measure central SLA's and calculate penalties.	Kindly change, Network Management to Server Management. Else, this is a repeat of the clause made under Network Management System. Also, integrating various systems with SLA and Helpdesk will lead to inconsistencies	Tender clause remains unchanged
474	Volume 2, Section No. 6.9.12.Public Internet access,L2+ 8 Ports Managed PoE Switch ,Page No. 191	Page no. 191	The switch should have 8 ports 10/100TX PoE+(min. 6 Port IEEE802.3at Or 8 Port 802.3af) and with 2 combo ports (10/100/1000Tor 100/1000 SFP) and PoE Power will be min 185W	Please modify to : The switch should have 8 ports 10/100TX PoE+ and with 2 combo ports (10/100/1000Tor 100/1000 SFP) and PoE Power will be min 240W. Since most access points today are .11ac compliant ,all the 8 access ports should support PoE+. 8 -ports PoE+ switch would require a min of 240W (30Wx8ports=240W). Else request to reduce the minimum power to 120W as 185W would be biased to a vendor specific implementation which is not full PoE+ on all ports. Further restrict more participation.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
475	Vol-2/143	6.3. Red Light Violation Detection System, 6.3.5. RLVD Application	The application software should be integrated with the E Challan software for tracing the ownership details of the violating vehicle.....	Kindly clarify is the RLVD system is required to be integrated with the existing e-Challan software.	Technical scope is self explanatory.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
476	Vol-2/144	6.3. Red Light Violation Detection System, 6.3.5. RLVD Application	22. Image should have..... complete lane wise junction behavior is recorded including (Speed of violating vehicle, notified speed limit, Signal Jumping, Stop Line Violation, Speed Violation with Registration Number Plate Recognition facility.	<i>Speed Accuracy</i> : In the RLVD specifications speed detection feature is asked but accuracy is not mentioned. Hence we request you to kindly mention the accuracy level with threshold value of atleast +/-5kmph (as per the general industry standard) for effective working of the system.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
477	Vol-2/141-146	6.3. Red Light Violation Detection System	-	<i>Frequency of Calibration</i> : Since, RLVD system will be used for purpose of challaning the violating vehicles and submitting evidence of violation in the Court of Law (if required) , hence, it is suggested that the system should be calibrated time to time to assure effective working of the system. As per general standards, the frequency of calibration of the system is on yearly basis. Since, the frequency of calibration will have cost implications of the over all system, hence, we request you to kindly incorporate the clause in the RLVD specs " <i>Frequency of Calibration: Every year</i> "	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
478	RFP Vol 2, 6.5.1. c.	150	The variable message display shall consist of variable message signboard with local controller, for local controls in few situations.	What does local controls in a few boards mean?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
479	RFP, Vol2, 6.5.2. 9	151	<input type="checkbox"/> It shall utilize a front face that is smooth, flat, scratch-resistant, wipe-clean <input type="checkbox"/> 100% anti-glare	DIP LEDs will not be smooth from front. Because 3 bulbs are moulded into modules. Also this helps in improving the viewing angle of the display board. The LEDs are covered with a small vertical mask which will in environmental protection. What pitch size screen is preferred ?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
480	RFP, Vol2, 6.5.2. 11	151	Multilingual (Marathi/English/Hindi) and all fonts supported by windows	Marathi is mentioned as necessary. Please clarify as whether the local language need to be supported or not..	It should be read as Telugu
481	RFP, Vol2, 6.5.2. 26	152	Weather-proof Display for VMS	Which IP rated? IP 66?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
482	RFP Vol 2, 6.5.1.a.	150	a) VMD will be installed at identified strategic locations. The location of VMDs will be on the key junctions (mostly on the sides without obstructing the traffic) and other strategic locations with large foot fall. The VMD software application will allow user to publish specific messages for managing traffic and also general informative messages.		No Action Needed
483	RFP Vol 2, 6.5.1.b.	150	VMD will enable authority to communicate effectively with citizens and also improve response while dealing with exigency situations. These will also be used to regulate the traffic situations across the city by communicating right messages at the right time.		No Action Needed
484	RFP VOL 2 - 6.8.2	169	Retro Reflective Sheeting For Sign Plate (Weather Resistant and Having Color Fastness)	As per IRC 67 2012 - Code for Practice for Road Signs, there are many type's of Retro Reflective Sheeting classified as Type I to Type XI as per ASTM Standards, which type of Retro Reflective Sheeting to be used	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
485	RFP VOL2, 6.3.1	141	The following Traffic violations to be automatically detected by the system by using appropriate Non-Intrusive sensors technology: a) Red Light Violation b) Stop Line Violation	The camera starts capturing images once the signal goes red. It has image of the vehicle and the number plate separately. Classification can be done manually	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
486	RFP VOL2, 6.3.1	141	The system should be capable of capturing multiple infracting vehicles simultaneously in Different lanes on each arm at any point of time with relevant infraction data like: a) Type of Violation b) Date, time, Site Name and Location of the Infraction c) Registration Number of the vehicle through ANPR Camera system for each vehicle identified for infraction.	Records contain the image of the vehicle and the number plate. The type of classification can be done manually.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
487	RFP VOL2, 6.3.1	141	The system should be equipped with a camera system to record a digitized image and video of the violation, covering the violating vehicle with its surrounding and current state of signal (Red/Green/Amber) by which the system should clearly show nature of violation and proof thereof :- a) When it violates the stop line. b) When it violates the red signal. c) Besides, a closer view indicating readable registration number plate patch of the violating vehicle for court evidence for each violation.	b. In most cases the entire video stream is transmitted and the Video analytics and OCR is done at the local processor. In case of 3M ANPR, the processing is done inside the camera unit itself and only the final digital record which is compact in size (150kb) is transmitted to the backend server which saves a lot of bandwidth and cost. Multiple frames/images of the violating vehicle can be provided at a lower frame rate.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
488	RFP VOL2, 6.3.1	141	The Evidence image produced by the system should be wide enough to give the exact position of the infracting vehicles with respect to the stop line and clearly indicate colour of the Traffic light at the instant of Infraction even if any other means is being used to report the colour of the light.	The record contains the image of the vehicle at the time of infraction. The timestamp in the record can be verified against the signal timings to get the signal status at that time	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
489	RFP VOL2, 6.3.1	141	The system should interface with the traffic controller to validate the colour of the traffic signal reported at the time of Infraction so as to give correct inputs of the signal cycle.	The camera is triggered to capture images when the signal goes red. However the digital record contains the timestamp and this can be manually checked with the signal timings.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
490	RFP VOL2, 6.3.1	141	The Evidence and ANPR camera should continuously record all footage in its field of view to be stored at the local base station. This should be extractable onto a portable device as and when required. The option of live viewing of evidence cameras from the locations shall be available at the CCC. The network should have the capability to provide the real time feed of the evidence camera to the CCC at the best resolution possible on the available network.	A CCTV can perform this function.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
491	RFP VOL2, 6.3.2	142	The recording and display of information should be detailed on the snapshot of the infracting vehicle as follows: 1) Computer generated unique ID of each violation 2) Date (DD/MM/YYYY) 3) Time (HH:MM:SS) 4) Equipment ID 5) Location ID 6) Carriageway or direction of violating vehicle 7) Type of Violation (Signal/Stop Line) 8) Lane Number of violating vehicle 9) Time into Red/Green/Amber 10) Registration Number of violating vehicle	Each ANPR has a location id.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
492	RFP VOL2, 6.3.5	143	Image zoom function for number plate and images should be provided. In case the number plate of the infracting vehicle is readable only through the magnifier then in such cases the printing should be possible along with the magnified image.	a. We provide the following two images i. Image of the vehicle ii. Image of the number plate our captures are readable through naked eye. A clear image of the vehicle and number plate is provided. This does not require zoom functionality	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
493	RFP VOL2, 6.3.5	144	User should be provided with means of listing the invalid violations along with the reason(s) of invalidation without deleting the record(s).	a. This classification of invalid records can be done manually.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
494	RFP VOL2, 6.3.5	144	Basic image manipulation tools (zoom etc.) should be provided for the displayed image but the actual recorded image should never change.	Our captures are readable through naked eye. A clear image of the vehicle and number plate is provided. The lens type is chosen as per the requirement. This does not require zoom functionality	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
495	RFP VOL2, 6.3.5	144	Image should have a header/footer depicting the information about the site IP and violation details like date, time, equipment ID, location ID, Unique ID of each violation, lane number, Regn. Number of violating vehicle and actual violation of violating vehicle etc. so that the complete lane wise junction behavior is recorded including (Speed of violating vehicle, notified speed limit, Signal Jumping, Stop Line Violation, Speed Violation with Registration Number Plate Recognition facility.	Speed monitoring is an altogether different solution	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
496	RFP VOL2, 6.3.6	145	The system should be capable of generating a video in any of the standard industry formats (MJPEG, avi, mp4, mov, etc) with at least 10 frames per second. The video shall be from t-5 to t+5 sec of the violation and should also be recorded (t being the instant at which the infraction occurred).	A series of images of the vehicle can be provided for the duration of the red signal	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
497	RFP VOL2, 6.3.6	145	Sensor type : Progressive scan CCD/CMOS Day/Night Camera	3M ANPR functional at both day and night time.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
498	RFP VOL2, 6.3.6	145	Resolution : 2 Megapixels or better	Clear images of the vehicle and number plate are achieved with a 1.8MP ANPR. Video functionality only requires greater pixel.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
499	RFP VOL2, 6.3.6	145	Video Compression: Motion JPEG,H.264	Video related	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
500	RFP VOL2, 6.3.6	145	Auto Iris Control Yes	Not required as the camera lens type is selected based on the requirement. A clear image of the vehicle and number plate can be obtained without auto iris control. Auto iris control is required only for CCTV	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
501	RFP VOL2, 6.3.6	146	The system should be capable of continuous video recording in base station for 7 days. The system shall automatically overwrite the data after 7 days. It should be noted that at any point of time the local storage at the base station should have the data of previous 7 days. b. Direct extraction through any physical device like USB, Hard disk shall be possible	Function of a CCTV Camera	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
502	Volume 2, 6.2. Smart Data Center and Disaster Recovery Infrastructure Components c) Datacenter ToR Switch & Section No. 6.2.5. Data Center Switch (10 G) Page. 123. technical specification	123	Request addition	Line-rate overlay support for Virtual Extensible LAN (VXLAN) bridging and routing at full line rate. Justification : This would help communication between virtual and physical servers as well as between multiple Datacenters(DC-DR) in a network.	Tender clause remains unchanged
503	Volume 2: Scope of Work	170	6.8.3. Fixed Box cameras	suggesting Bullet Camera with inbuilt smart IR. Inbuilt IR cameras are latest technology and available now with all the OEM. It reduces the overall cost and the maintenance issues.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
504	Volume 2: Scope of Work	170	6.8.3. Fixed Box cameras		No Action Needed
505	Volume 2: Scope of Work	170	5. Lens Type Varifocal, C/CS Mount, IR Correction Full HD lens compatible to camera imager	Suggesting Bullet camera with Motorized varifocal lens. It is very useful to set lens of camera remotely by software. It also reduces on-site maintenance cost to adjust the lens everytime.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
506	Volume 2: Scope of Work	171	22. Certification UL2802 / EN, CE ,FCC	UL2802 is not equivalent to EN certification. UL2802 certificate is for CCTV camera video parameter testing. However, EN is for IT equipment safety, which is covered under CE clauses and certifications and so the clause should be like " UL2802, EN/CE ,FCC "	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
507	Volume 2: Scope of Work	171	6.8.4. Pan, Tilt and Zoom cameras (PTZ)	<u>Connecting IR illuminator with PTZ camera is a big hassle, as PTZ camera is a 360° moving product. Also, multiple illuminators, will have to be connected to cover all sides. So, PTZ camera, with inbuilt IR is recommended, for the ease of use and now available with all the TOP OEM in CCTV industry. So, request to add - Pan, Tilt and Zoom cameras (PTZ) with inbuilt IR upto 100 meters. Even issues, of synchronization of IR light intensity with the camera zoom ratio, will be avoided if internal IR is used.</u>	Tender clause remains unchanged
508			IR Range	To be Add - " Up To 100 Mtr "	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
509	Vol 2, Section 6. Desktop	105	Intel Core i5-latest generation (3.0 Ghz) or higher OR AMD A10 7850B (3.0 Ghz) processor or higher OR Equivalent 64 bit x86 processor	to be changed to Intel core i5 2.7GHz because previous generation used to come with 3 Ghz, latest generation comes with 2.7GHz. AMD to be changed to AMD A10 7800 Processor, AMD has different processor for different OEM, 7800 is common for all OEM and most sellable product in the market	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
510	Vol 2, Section 6. Desktop	105	104 keys Heavy Duty Mechanical Switch Keyboard (USB Interface) with 50 million keystrokes life per switch. Rupee Symbol to be engraved.	Can this be changed to normal USB Keyboard which are most commonly used everywhere? Mechanical Switch Keyboards are already out-of-date	Tender clause remains unchanged
511	Vol 2, Section 7. Laptop	106	Our suggestion : Intel Core i3 with latest generation (1.9 Ghz) or higher OR AMD A10 PRO 7300 (1.9Ghz) Processor or higher OR Equivalent 64 bit x86 processor	Processor to be changed to 2.3Ghz as this is the latest clock speed	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
512	Vol 2, Section 7. Laptop	106	84 Keys Windows Compatible keyboard, Integrated Touch Pad.	to be changed to 80 Keys or higher (80 Keys are the standard keyboard for a 14" laptops	Tender clause remains unchanged
513	Vol 2, Section 6.2.5. Data Center Switch (1G)	121	<input type="checkbox"/> 24 or 48 (as per requirements) 10/100/1000 Base-TX Ethernet ports and extra 2 nos of Base-SX/LX ports <input type="checkbox"/> All ports can auto-negotiate between 10Mbps/ 100Mbps/ 1000Mbps, half-duplex or full duplex and flow control for half-duplex ports.	Change "Base-SX/LX ports" to 2 10GbE SFP+.	Tender clause remains unchanged
514	Vol 2, Section 6.2.5. Data Center Switch (1G)	121	Support 8K MAC address.	change this to 32K, this will be a need in virtualized environment.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
515	Vol 2, Section 6.2.5. Data Center Switch (1G)	121	<input type="checkbox"/> Support 802.1D, 802.1S, 802.1w, Rate limiting <input type="checkbox"/> Support 802.1Q VLAN encapsulation, IGMP v1, v2 and v3 snooping <input type="checkbox"/> 802.1p Priority Queues, port mirroring, DiffServ <input type="checkbox"/> Support based on 802.1p priority bits with at least 8 queues <input type="checkbox"/> DHCP support & DHCP snooping/relay/optional 82/ server support <input type="checkbox"/> Shaped Round Robin (SRR) or WRR scheduling support. <input type="checkbox"/> Support for Strict priority queuing & Sflow <input type="checkbox"/> Support for IPV6 ready features with dual stack <input type="checkbox"/> Support upto 255 VLANs and upto 4K VLAN IDs	New Item to be added: Routing Protocol, support S OSPF, BGP, VRRP, VRF, for both IPv4 and IPv6 routing. As there could be a need for the same, in virtualized environment	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
516	Vol 2, Section 6.2.5. Data Center Switch (10 G)	122	<input type="checkbox"/> 24 or 48 (as per density required) 1G/ 10G Ethernet ports (as per internal connection requirements) and extra 2 numbers of Uplink ports (40GE) <input type="checkbox"/> All ports can auto-negotiate between all allowable speeds, half-duplex or full duplex and flow control for half-duplex ports.	(extra 2 numbers of Uplink ports (40GE)) - Change this to 4/6 nos of 40GE, as 2 would be used for stacking and other 2 can be used for uplink	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
517	Vol 2, Section 6.2.5. Data Center Switch (10 G)	122	Support 32K MAC address	change this to 128K, which could be a need in virtualized environment.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
518	Vol 2, Section 6.2.5. Data Center Switch (10 G)	122	Capable of providing wire-speed switching	Change it to Minimum 1.2 Tbps for Line Throughput	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
519	Vol 2, Section 6.2.5. Data Center Switch (10 G)	122	500 Mpps or better	Change this Minimum 1.2 Tbps for Line Throughput	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
520	Vol 2, Section 6.2.5. Data Center Switch (10 G)	122	<input type="checkbox"/> IPV4, IPV6 <input type="checkbox"/> Support 802.1D, 802.1S, 802.1w, Rate limiting <input type="checkbox"/> Support 802.1X Security standards <input type="checkbox"/> Support 802.1Q VLAN encapsulation, IGMP v1, v2 and v3 snooping <input type="checkbox"/> 802.1p Priority Queues, port mirroring, DiffServ <input type="checkbox"/> DHCP support <input type="checkbox"/> Support up to 1024 VLANs <input type="checkbox"/> Support IGMP Snooping and IGMP Querying <input type="checkbox"/> Support Multicasting <input type="checkbox"/> Should support Loop protection and Loop detection, <input type="checkbox"/> Should support Ring protection	Support up to 1024 VLANs - change this to 4000 802.1Q vlans and Vlan ID, as there could be a need for the same, in virtualized environment New Item to be added: Routing Protocol, support SDN Open flow, OSPF, BGP, VRRP, VRF, for both IPv4 and IPv6 routing. As there could be a need for the same, in virtualized environment.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
521	Vol 2, L2+ 8 Ports Managed Switch	190	Support for IPv6 host, ICMPv6, IPv6 ACL, Dual-stack IPv4/IPv6 management, IPv6 applications WEB/SSL, Static IPv4 routing 4K, Volume II – Scope of Work and Functional & Technical Specification 191 RIPv1,v2, Proxy ARP, IEEE 802.3ad, ICMP, LLDP-MED, LLDP, DHCP snooping, DHCP option 82, DHCP relay, ICMP. The switch should have ECO Friendly design and fan less operation.	Yes, complied. Our design is eco friendly but with fan. Being L2+ switch and more routing happening, there will be more heat generated , hence fan will be required. Also, in any outdoor environment, switch with a fan is better for the health of the switch. Request this "fan less operation" to be removed.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
522	Vol 2, L2+ 8 Ports Managed PoE Switch	191	Support for IPv6 host, ICMPv6, IPv6 ACL, Dual-stack IPv4/IPv6 management, IPv6 applications WEB/SSL, Static IPv4 routing 4K, RIPv1,v2, Proxy ARP, IEEE 802.3ad, ICMP, LLDP-MED, LLDP, DHCP snooping, DHCP option 82, DHCP relay, ICMP. The switch should have ECO Friendly design and fan less operation	Our design is eco friendly but with fan. Being L2+ switch and more routing happening, there will be more heat generated , hence fan will be required. Also, in any outdoor environment, switch with a fan is better for the health of the switch. Request this "fan less operation" to be removed.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
523		191	Voltage: 100-240V AC (10% auto-ranging), Frequency 47-63Hz Operating temperature: 0C to 60C Storage temperature: -25C to 70C Operating humidity: 5% to 90% non-condensing	Our Operating Temperature is 0C to 50C, and we feel this will be enough for Vizac city environment...the ask of 60C is an overkill of specification. Can this "Operating temperature" be changed to "0C to 50C"?	Tender clause remains unchanged
524	Vol 2, Outdoor Access Point	189	The Access point shall be IP66/IP67 rated for dust and water Ingress protection. Third party casing will not be accepted.	Request this to change as - Third party casing to be allowed. Third Party Casing will not bring any harm to the environment.	Tender clause remains unchanged
525	Vol 2, Section 6.2.3. Firewall	119	<input type="checkbox"/> 4 x GE, upgradable to 8 GE	Today 1 Gig ports are already peaked and 10G is in deployment. It is suggested to ask for at least 8 x 10G ports in place of 1GE for Multiple DMZs, MZs and Internal / External zones	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
526	Vol 2, Section 6.2.3. Firewall	119	<input type="checkbox"/> Encrypted throughput: minimum 800 Mbps	No mention of Firewall throughput. Considering scalability and 10G segments deployment , it is suggested that the Firewall throughput should be minimum 40 Gbps on 64 byte traffic	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
527	Vol 2, Section 6.2.3. Firewall	119	<input type="checkbox"/> Concurrent connections: up to 100,000	Today there are many applications which keep running on PCs / Servers / Laptops and which try to connect to internet for various downloads like windows updates / antivirus updates and other online applications. These application keeps opening sessions automatically. the firewall should not become a bottleneck in case of a virus or trojan generating huge nos of connections. To ensure that the firewall is capable of handling such traffic scenarios it is important that firewall is capable of handling MINIMUM 10 million concurrent sessions or more and 300,000 new sessions per second or more	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
528	Volume 2, Section No.6.1.2. Proposed Components of CCC Solution,,Page No. 93	93	Unified Communications & Contact Center	Request to modify: Provide detailed requirements/specifications for Contact Center. Details of number of contact center agents, agetn functions, Supervisor functions, number of lines etc not provided. Justification :No Functional Requirements or specifications defined for Contact Center	Enclosed

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
529	Volume 2, Section No.6.1.2. Proposed Components of CCC Solution,,Page No. 93	93	Request addition	<p>Emergency Response Communication System :An Emergency/incident response communication solution to be provided which integrates with the proposed Unified Communication solution to bring various agencies like Police, Fire and other Emergency Services operating on different communication platforms like IP Telephony,PTT ,TDM etc together, on to a single integrated communication platform.</p> <p>Justification :This is absolutely critical to ensure seamless communication between the various agencies in the event of a Disaster in order to provide prompt,timely and effective decision making/response on the spot in real time.</p>	Request for addition not accepted
530	Volume 2,A. General RequirementsSection C.Key Security Consideration at the Infrastructure Level,Page 22.	22	Intrusion Prevention System to detect/prevent unauthorized activities/sessions	<p>Request to modify: Intrusion Prevention System solution should be able to effectively detect atleast 95% of breaches or unauthorized activities/session in the first 5mins of occurrence and prevent. The product/solution should be validated by a credible third party security agency like NSS labs.</p> <p>Justification :Since most security exploits today fulfill their objective within the first 10mins of breach.</p>	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
531	Volume 2, Section No. 6.2 .4,Intrusion Prevention Sytem Page No. 120/121	120-121	Request addition	<p>The detection engine of the IPS should support the capability of detecting variants of known threats, as well as new threats, incorporate multiple approaches for detecting threats, including at a minimum exploit-based signatures, vulnerability-based rules, protocol anomaly detection, and behavioral anomaly detection techniques. Identify and explain each type of detection mechanism supported and also have the ability to not only detect different variants of known threats but also new threats.</p> <p>Justification: Efficacy of threat Detection is very key and very important to ensure effectiveness of response the IPS solution.</p>	Request for addition not accepted
532	Volume 2, Section No. 6.2 .4,Intrusion Prevention Sytem Page No. 120/121	120-121	Request addition	<p>OEM must have its own threat intelligence analysis center and should use the global footprint of security deployments for more comprehensive network protection.</p> <p>Justification : This is absolutely necessary to ensure quick and effective response to new threats.</p>	Request for addition not accepted
533	Volume 2, Section No. 6.2 .4,Intrusion Prevention Sytem Page No. 120/121	120-121	Request addition	<p>The IPS should support advance malware capabilities and provide visibility on high impact malware incidents with capability to highlight if client side systems and applications are vulnerable to the threats. Proposed solution should be able to use industry's definition on indicators of compromise to highlight malware severity for prioritisation of incident response.</p> <p>Justification : In addition to IPS, Advance Malware Protection capabilities are absolutely essential to ensure effective prevention of Advanced persistent threats like malware,ransom ware etc which Firewall and IPS cannot protect.</p>	Request for addition not accepted
534	Volume 1 - 2.29 Eligible Goods and Services, and OEM Criteria	26	Video Management System Software: Minimum installation base of 50 projects across globe as on 31/03/2016 and should have been operation for atleast 2 city/outdoor CCTV surveillance projects (globally, covering open public places) on minimum 1000 city/outdoor cameras each in last 3 years	<p>This is a restrictive clause and shall not allow deserving companies to participate in this Tender (only 1 or 2 Foreign VMS companies can qualify). Request to kindly revise this to 500 cameras outdoor surveillance operational projects each for 2 cities please.</p> <p>As per Govnt of India proposed initiative of Make in India and Made in India program we humbly request the concerned to allow Videonetics Technology Pvt. Ltd. an established Indian Video Management software provider to be part of an Indian Smart city project please.</p>	Tender clause remains unchanged

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
535	Volume 2, Section No. 6.9.12.Public Internet access,WLAN Controller,Page No. 186/187/188	186, 187 and 188	The firewall must be able to take action including allowing the traffic, denying the traffic, rejecting the traffic, routing the traffic, destination or source NAT the traffic, modify the QoS level of the traffic, and blacklist (remove from the network) the client for policy matches	Request to please remove the same as these a vendor specific clauses.	Minimum indicative specification has been specified, bidders free to provide equivalent of better solution
536	Vol 2	128	The proposed tool should integrate with network performance management system and support operating system monitoring for various platforms supplied as part of the Surveillance Project.	Is it expected from the proposed solution to use Big Data Analytics for Root cause identification and issue remediation to reduce major incidents	No
537	Vol 2	126	The solution must have the ability to define and calculate key performance indicators from an End to End Business Service delivery perspective related to Surveillance Project under discussion.	Is End User experience monitoring also in scope of EMS w.r.t. to Business services?	No
538	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	87	Plan to integrate the Community Surveillance	Please provide the details of existing community surveillance system, protocol for interface, level of intergration (layer) & details to be shared on.	SI Shall provide application connectors to integrate with Community Surveillance
539	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 5	87	The Successful Bidder will also be commissioning the surveillance cameras required in the Mobile Vans.	Please provide details of Mobile vans, Qty, connectivity required to CCC.	The number of Mobile Vans is estimated to be 10. Suitable connectivity may be recommended by SI.
540	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_0.3, Section 6.8.2	159	Bidder shall be required to provide a standardized Mobile Application to integrate smart phones and tablets for 2-way communication with the Video Management System in a secure manner. Vizag City Authority may provide such tablets / smart phones to the designated Police Personnel. It will be responsibility of SI to configure such tablets / Smartphone with the Surveillance System and ensure that all the necessary access is given to these mobile users so that uploading of video / pictures to the surveillance system is possible	Please confirm the no. of license required for mobile client.	The number of mobile devices estimated to be connected with VMS is 150.
541	Vol 1 - 3.5 Pre-Qualification Criteria	34	Smart Elements Projects includes Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.	(1) We request you to include "Enterprise level ICT / Software design, development and implementation projects that has one or more smart elemetns like " Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc. (2) Categories like Intelligent Traffic Management, Intelligent Ticketing Solution, Solid Waste Management, WiFi Solutions should also be included in the smart elements.	It may be clarified that, "Smart Elements Projects includes Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, ICT Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc".
542	Volume 2 6.3 Red Light Violation Detection System	141	Sec 6.3.1 Functional Specification Line item 7 The Evidence and ANPR camera should continuously record all footage in its field of view to be stored at the local base station.	Is the footage here refers only RLVD violation footage(10 seconds violation video) for all violations?	Tender clause remain unchanged Cameras should keep recording continuously. Alarm should be raised for all Red light violation

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
543	1/3.6.1	32	<p>Surveillance Projects with required network Infrastructure</p> <p>The bidder should have experience in executing surveillance projects.</p> <ul style="list-style-type: none"> · Each project with 100 cameras or more in outdoor or public area is considered as one unit. · Points are allocated based on number of units executed <p>= 4 or >4 100 = 3 90 = 2 80 = 1 70</p>	Kindly allow us to submit CCTNS projects for this criteria	Tender Clause remains unchanged. Only Surveillance Projects shall be considered for evaluation.
544	Vol 1, 2.29	20	<ul style="list-style-type: none"> · Minimum installation base of 50,000 IP based cameras across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) of minimum 1000 IP based city/outdoor cameras each in last 3 years 	Is there any proof required from the OEM? Please indicate the proof / certificate required from them. Is there a format for the same?	Yes. Proof is required for camera installations. Bidder experience/client citations/appropriate documents to be provided as proof.
545	3.5 Pre-Qualification Criteria (4)	28	<p>The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16)</p> <ul style="list-style-type: none"> · For Consortium o Other members should have minimum 5 Cr from TSE. <p>Smart Elements Projects includes Command & Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center / Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.</p>	We are a leading e-Governance software solutions providers for the past 20 years and have implemented state wide e-Gov projects in more than 3 states. ERP Software for Municipal Corporation / Municipal Council is an important component for the Smart City initiative. We notice that you have not included ERP as part of Smart Elements. Due to this restriction, we are unable to fulfill this criteria. We request you to please include ERP in the list of SE and consider Turnover from ERP under TSE.	Tender Clause remains unchanged. ERP is not considered as Smart Elements
546	2.2. Component Architecture	Vol2 - Page No 10 & 11	<p>GIS Base Map shall be developed or procured, supplied and integrated by the Systems Integrator at 1:1000 scale or better with all surveillance cameras located on the map apart from the updated map of all buildings, utilities and roads. If this requires field survey, it needs to be done by Successful Bidder. If such a data is already available with Authority shall facilitate to provide the same. Bidder is to check the availability of such data and it's suitability for the project.SI is required to update GIS maps from time to time</p>	Kindly clarify if the GIS Map is already available with the Corporation or does it need to be procured fresh by the Bidders for this Project. For achieving 1:1000 Scale, Map Image needs to be procured from NRSE (ISRO) with End User Authorization and is also a time consuming activity. Can we alternatively use Google Base Maps as Web Service as it will save time and general POI;s are readily available. Customer Specific POI's & Map layers will be surveyed and created over the Google Base map. Kindly advise	Technical scope is self explanatory. Details will be worked out with successful bidders on onboarding.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
547	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_o_3.pdf	100	Single Dashboard for City Infrastructure Management & Smart City Services for Smart Lighting, Utility/Surveillance System, GIS Services and Other Services of Authority work visualized real time on 2D/3D map of City. This dashboard can be accessed via web application as well as mobile app . The various information that may be accessed from the system but not limited to are as below:	Can you please elaborate the mobility scope on this requirement?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
548		Deploy / Develop, Test and Commission on the Surveillance System	(b) Delivering the Surveillance System, along with all of the necessary modules and additional functionalities/ integrated products, utilities, system drivers and documentation consistent with proven standards, including product updates, technology upgrades and patches to run on the selected operating system(s) and hardware according to the solution.	(b) Delivering the Surveillance System, along with all of the necessary modules and additional functionalities/ integrated products, utilities, system drivers and documentation consistent with proven standards, including product updates, technology upgrades and patches to run on the selected operating system(s) and hardware according to the solution.	Tender Clause Remains unchanged
549	Volume 1 Section 3.6.1 Technical bid evaluation Point B7	34	The bidder should have experience in executing projects for operationalization of Command and Control/Communications Centre (covering surveillance/ traffic/ disaster management/ city operations functions).	It is requested to consider including experience of executing projects in Smart Grids	Tender Clause Remains unchanged
550	Volume 1 Section 7.3 Credential Summary	58	Project Components – Indicate the major project components like application development for security surveillance, command and control center, Maintenance, Hardware procurement and deployment, DC setup and maintenance, Facility management services, provisioning manpower, IT support and maintenance	As per the technical evaluation the project experiences required for bidder are Surveillance Projects with required network infrastructure ,Emergency panic button/ Public Address System Environmental Sensors ,Integration with Smart Utility Solutions such as Water - SCADA, Power, Gas,ITMS, SmartSWM, SmartSewerage/ Drainage ,Integration with Disaster Management Solutions ,Digital Signboards or Visual Messaging Display ,Command and Control Center installations ,ERP System . Request you to please include the above project components in credential summary already mentioned in volume 1- Section 3.5 Pre-Qualification point 4	Tender Clause Remains unchanged
551	5.2. Supply, install, commission & configure cameras	87	The Successful Bidder will also be commissioning the surveillance cameras required in the Mobile Vans.	Supply of cameras for mobile vans are in scope of supply of bidder? Number of mobile vans, Connectivity to CCC?	Please refer commercial bid format for quantities
552	6.3. Red Light Violation Detection System	141	Traffic violations to be automatically detected by the system by using appropriate Non-Intrusive sensors technology:	Red violation can be performed with Video analytics or should be a combination of sensors installed & software	The bidder is free to propose the appropriate solution and technology. However the solution proposed should be in compliance with the technical and functional requirements as specified in the RFP.
553			Throughput for video surveillance	with >500 cameras and several video cameras that transmit at 15FPS, the underlying storage should have dense throughput architecture to manage the large ingest of feeds; the Primary storage should be supporting a minimum of 3Gbps sequential write throughput; Performance benchmarks / calculations for primary storage should be submitted by OEM	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
554	Vol 2, 1.2, Surveillance Cameras	8	Surveillance Cameras	Kindly provide the make and model of the existing StamPower Camers	Details will be worked out with successful bidders on onboarding.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
555	Volume 1 Section 3.6.1 Technical bid evaluation Point B7	Pg 34	The bidder should have experience in executing projects for operationalization of Command and Control/Communications Centre (covering surveillance/ traffic/ disaster management/ city operations functions).	To read as--- The bidder should have experience in executing projects for operationalization of Command and Control/Communications Centre (covering surveillance/ traffic/ disaster management/ city operations functions/Smart Grids)	Tender Clause Remains unchanged
556	Volume 1 Section 7.3 Credential Summary	Pg 58	Project Components – Indicate the major project components like application development for security surveillance, command and control center, Maintenance, Hardware procurement and deployment, DC setup and maintenance, Facility management services, provisioning manpower, IT support and maintenance	As per the technical evaluation the project experiences required for bidder are Surveillance Projects with required network infrastructure ,Emergency panic button/ Public Address System Environmental Sensors ,Integration with Smart Utility Solutions such as Water - SCADA, Power, Gas,ITMS, SmartSWM, SmartSewerage/ Drainage ,Integration with Disaster Management Solutions ,Digital Signboards or Visual Messaging Display ,Command and Control Center installations ,ERP System . Request you to please include the above project components in credential summary already mentioned in volume 1- Section 7.3	Tender Clause Remains unchanged
557	Volume 2, Section 6.1	101	5) Sample Use Cases describing the need of integrated systems: <input type="checkbox"/> Urban Flooding Scenario: The water level sensors (used for flood detection on streets) will send the ambient water levels accumulated on the street to the CCC through the available connectivity. The CCC shall baseline the existing water level and rainfall prediction with erstwhile flood levels to generate an alert for flooding. This alert will then be passed over to the citizens through the variable messaging displays and public address system to warn them of possible flooding in a locality. <input type="checkbox"/> Evacuating Hazardous places in event of fire: As soon as the Command Center is intimated of a fire through any of the available channels, Fire tenders shall be dispatched to the location along with guidance for shortest path to the accident site. The Fire tender's journey time shall be optimised by providing the best possible green corridor through ATCS (adaptive Traffic Control System). Event trigger shall be also sent to nearest Police Station & nearby hospitals. IP based public address system will be triggered to vacate the nearby fuel stations (if there is any) to reduce the extent of casualty. Information will be passed over to trauma centres in the vicinity to prepare for increased number of emergency care	While the initial part of the RFP mentions Disaster Management as a key objective of the expected solution, the details cover only two use cases. Request clarification on what all types of emergency / disaster management is expected out of this solution. Also, please clarify what all components would bidder need to bring in. For example, who would be implementing water level sensors? Further detailing is necessary for the bidder to identify appropriate solutions and services required.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase. The use cases provided are indicative only and to establish the context in which the proposed CCC may be used. The Bidder needs to propose additional Use Cases based on their understanding, capability and maturity of their solution. Use cases and SoPs will be finalised and developed once the successful bidder comes on board.
558	RFP Vol 2, 6.5.1.a.	150	a) VMD will be installed at identified strategic locations. The location of VMDs will be on the key junctions (mostly on the sides without obstructing the traffic) and other strategic locations with large foot fall. The VMD software application will allow user to publish specific messages for managing traffic and also general informative messages.		Tender Clause remains unchanged

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
559	RFP Vol 2, 6.5.1.b.	150	VMD will enable authority to communicate effectively with citizens and also improve response while dealing with exigency situations. These will also be used to regulate the traffic situations across the city by communicating right messages at the right time.		Tender Clause remains unchanged
560	RFP VOL1, 2.29	21	ANPR Solution · Should have been operational for min. 50 ANPR cameras in City/outdoor CCTV Surveillance projects across India in last 3 years. Out of these projects at least one project should have min. 25 ANPR camera running on the offered ANPR solution.	We have global experience. So this condition shall include Global or Indian experience.	Tender Clause remains unchanged. The solution has to be proven in Indian Conditions, the accuracy level for ANPR outside India goes upto 90-95% due to standardized number plates
561	RFP VOL2, 6.3.1	141	The following Traffic violations to be automatically detected by the system by using appropriate Non-Intrusive sensors technology: a) Red Light Violation b) Stop Line Violation	The camera starts capturing images once the signal goes red. It has image of the vehicle and the number plate separately. Classification can be done manually	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
562	RFP VOL2, 6.3.1	141	The system should be capable of capturing multiple infracting vehicles simultaneously in Different lanes on each arm at any point of time with relevant infraction data like: a) Type of Violation b) Date, time, Site Name and Location of the Infraction c) Registration Number of the vehicle through ANPR Camera system for each vehicle identified for infraction.	Records contain the image of the vehicle and the number plate. The type of classification can be done manually.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
563	RFP VOL2, 6.3.1	141	The Evidence image produced by the system should be wide enough to give the exact position of the infracting vehicles with respect to the stop line and clearly indicate colour of the Traffic light at the instant of Infraction even if any other means is being used to report the colour of the light.	The record cotains the image of the vehicle at the time of infraction. The timestamp in the record can be verified against the signal timings to get the signal status at that time	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
564	RFP VOL2, 6.3.1	141	The system should interface with the traffic controller to validate the colour of the traffic signal reported at the time of Infraction so as to give correct inputs of the signal cycle.	The camera is triggered to capture images when the signal goes red. However the digital record contains the timestamp and this can be manually checked with the signal timings.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
565	RFP VOL2, 6.3.1	141	The Evidence and ANPR camera should continuously record all footage in its field of view to be stored at the local base station. This should be extractable onto a portable device as and when required. The option of live viewing of evidence cameras from the locations shall be available at the CCC. The network should have the capability to provide the real time feed of the evidence camera to the CCC at the best resolution possible on the available network.	A CCTV can perform this function.	The solution provided by the bidder should be as per minimum indicative specifications provided. Bidder can propose higher specifications/solution meeting or exceeding the requirements

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566	Volume 1 - 2.29 Eligible Goods and Services, and OEM Criteria	26	Video Management System Software: Minimum installation base of 50 projects across globe as on 31/03/2016 and should have been operation for atleast 2 city/outdoor CCTV surveillance projects (globally, covering open public places) on minimum 1000 city/outdoor cameras each in last 3 years	This is a restrictive clause and shall not allow deserving companies to participate in this Tender (only 1 or 2 Foreign VMS companies can qualify). Request to kindly revise this to 500 cameras outdoor surveillance operational projects each for 2 cities please. As per Govnt of India proposed initiative of Make in India and Made in India program we humbly request the concerned to allow Videonetics Technology Pvt. Ltd. an established Indian Video Management software provider to be part of an Indian Smart city project please.	Tender clause remains unchanged
567	Vol 2/2.0	9	Scope of Project Work Pre –Implementation Phase:- • Assessment of IT Infrastructure and Non IT Infrastructure requirements, assessment of business processes, assessment of software requirements, assessment of integration requirement, assessment of connectivity requirement all locations (including buildings).	Kindly clarify the following 1) Are there any existing HW which are planned to be used for this project . If so kindly provide the make , model , equipment , serial number , year of purchase , warranty period 2) Are there any existing SW components which can be re-used . If so please provide the make , version , year of purchase , current ATS/support status 3) Kindly provide existing connectivity details	Details of existing hardware shall be provided to the successful bidder on onboarding. There are 1500 desktop nodes available with the authority. Bidder is required to propose new ERP software asmentioned in the RFP.
568	Vol 2/2.0	9	Scope of Project Work Implementation Phase: • Helpdesk setup, physical infrastructure setup, procurement of equipment , edge devices, COTS software (if any), licenses	Kindly provide the following details 1) What is the support time for Help desk 2) How many help desk persons to be deployed in each shift 3) Department would provide necessary space , telephone , power , link , furniture etc..	Please refer the concerned sections in the RFP Volume 1 & 2
569	Vol 2/4.0	76	4. Disaster Recovery • In addition to the DR site, Authority may also plan to have a near DR site solution in future. This will be done to cater to the requirement of no data loss acceptable for highly critical applications. The solution should be scalable to provide 3 - way DR replication in future. The selected vendor should have capability to provide the same, based on Authority's requirement and data centre location.	The 3 way DR can be solutioned , provided the availability of necessary link , replication SW and additional storage device	Technical scope is self explanatory
570	2/4.0	76	4. Disaster Recovery • Availability of data / application as per the defined RPO (1 hour) / RTO (4 hours) requirements as mentioned in the SLAs	In order to achieve the required RPO and RTO , it is requested that sufficient bandwidth to be provided between DC and DR	Bandwidth sizing wil be done with the succesful bidder after onboarding
571	2/4.0	76	4. Disaster Recovery • In the event of the disaster, the servers available at the DR site should be at least 100% of the servers for the listed applications at the primary data centre without requirement of fail-over.	Kindly clarify the proposed DR must be in active active mode. In this case there would be cost escalation to the software licenses . It is suggested that bidder need to solution according to RPO and RTO requirement .	Technical scope is selfexplanatory. RPO and RTO requirement should be adhered
572	2/4.0	75	4. Disaster Recovery • Prepare a private cloud environment for creating instances of existing applications for DR	Kindly clarify the "existing applications" refers to the application proposed in DC for this project	Should be read as applications in Data Center

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
573	2/5.0	83	5. Generalized Scope of work Finalise the Bill of Material for the Data Center Infrastructure	Kindly clarify the following 1) SI needs to factor centralized storage to accommodate all the requirement . If what would be the anticipated size for each category of services (command center etc..) 2) In case department is looking for centralized storage , the necessary connectivity from end location to DC/DR would be provided 3) What would be the data retention duration.	Bandwidth sizing will be done with the successful bidder after onboarding and connectivity shall be provided
574	Vol 2/5.0	85	SMS Gateway Integration	Kindly clarify only integration with SMS gateway is the scope of the bidder	Technical scope is self explanatory.
575	Vol 2/5.0	87	Obtain all necessary legal/statutory clearances for erecting poles	It is suggested that department to obtain necessary legal/statutory clearances for erecting poles . This would help in speedy implementation of project. SI can provide the requirements	Authority will support in getting necessary permissions
576	Vol 2/5.0	88	Provision of the Electricity	It is suggested that department to provide necessary electricity . SI can provide the necessary requirements	Authority will support in providing necessary electricity
577	Vol 2/6	108	Online UPS 1. Capacity Adequate capacity to cover all above IT Components at respective location	Kindly clarify that the proposed UPS should provide power to Printers also ?	Yes
578	Vol 2/6		Technical specification	If the solution is to be hosted in cloud why the specifications of storage , router , firewall , IPS server are mentioned	Response deferred till decision on cloud solution is taken Bidders can propose any type of solution - public cloud, private cloud, in premise. These requirements should be met.
579	Vol 2/8	222	• SLA for issue resolution - All severities	Kindly clarify what is the maximum time for closure for respective severities.	Technical scope of SLA is self explanatory
580	General	General	User count	Kindly provide how many users and expected concurrency	Bidder will have to do requirement study post onboarding and concurrency shall be decided in consultation with authority
581	Vol 1/2.21a	20	Authority reserves the right to reject in full or part, any or all bids without assigning any reason thereof.	We humbly request the department to make it as either accept or reject in full. This is in lieu of the fact that any bidder would have some financial calculations and evaluations done on any prospect, which gets jeopardised once the department chooses to accept the proposal in part.	Tender Clause remains unchanged
582	Vol 1/2.21	20	In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD	We are grateful to the department for providing this opportunity which has tremendous depth in overall scope. As such it is also imperative that there are many contours of functional, operational and legal aspects which needs to be taken care of and collective spectrum is also HUGE. Hence, we request you allow the bidder to have an window of discussion on aspects which is unearthed at the time of response preparation process and in principle asks for a broad based open discussion and mutual agreement. This is the single most important piece to enable the SI to focus and achieve the broad based delivery goals without the pressures of undue Financial, Legal and Scope worries. Please remove this EMD forfeiture clause.	Tender Clause remains unchanged
583	Vol 1/2.24.1	22	Initial Composition; Full Time Obligation; Continuity of Personnel	It will be difficult to hold a resource for a particular assignment from the Bid submission time till Contract signing. So allow us to submit sample CVs in the Bid Response and will deploy equivalent or better resources for Project implementation.	The change in resources from that in the proposal should be approved by client.
584	Vol 1/2.26	24	Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, Authority shall forfeit and appropriate the EMD	Please remove this EMD forfeiture clause	Tender Clause remains unchanged
585	Vol 1/2.30	27	Right to vary quantity	All the quantities should be same as that in RFP. All our commercial calculations are based on these quantities and hence this should not be changed at the time of award. Any requirement for increase in quantities/scope will be addressed through Change Requests	Tender Clause remains unchanged

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586	Vol 1/4.3	44	Performance Bank Guarantee (PBG)	Please modify the PBG requirement as below: a. At the beginning of the Project PBG for the Implementation period should be required. b. At the beginning of the each yearly O&M period, PBG corresponding for that O&M year Project Value should be required. c. The PBG of each of the previous stages should be refunded before submission of next stage PBG	Tender Clause remains unchanged
587	Vol 1/4.5	46	Failure to agree with the Terms & Conditions of the RFP	It is requested to remove the Forfeiture clause on EMD/PBG on non-acceptance of all T&Cs of RFP. Bidder will suggest the modifications/additions to be made in the RFP Terms and conditions in its proposal. Contract shall be signed based on the mutually agreed clauses. While we ensure that neither project start date nor deliverables will get impacted by this	Tender Clause remains unchanged
588	Vol 2, 2	27	Unified Messaging system:SMS	Please confirm if the Department bear SMS cost	Bidder will have to provide SMS solution
589	Vol 2, 2	27	Unified Messaging system:Email	Please let us know if Email Server is already available	No. Bidder to provide
590	General	General	Training	Please confirm if the Department will provide space, entire infrastructure, Consumables, Connectivity etc required for conducting Training	Space, connectivity shall be provided. Bidder is required to provide training material, trainers
591	General	General	Training	Please indicate the number of trainees under each category	Details of trainees shall be worked out with successful bidder
592	General	General	Training	Please indicate the batch size	Details of batch size shall be worked out with successful bidder
593	General	General	Training	Please allow us to adopt Train the Trainer approach	Training scope is self explanatory
594	General	General	Training	Please allow us to conduct Training at a Centralized location	Agreed
595	Vol 2/8.1, 8.2	220	Penalty	Penalties are very high. Penalty to apply only if delay is solely attributable to the bidder. Bidder accepts maximum penalty shall be capped to 5% of the value of delayed goods and services	Maximum Penalty is capped at 10% of Total Project Value
596	Vol 3, 25	26	Transfer of Ownership	The ownership of all H/W, S/W and equipments shall be transferred to customer upon delivery	All the H/W, S/W and any other equipments / licenses boufght for this project will be solely in the name of the Authority.
597	Vol 1, 2.23	21	Disqualification <i>The bidder's bid is conditional and has deviations from the terms and conditions of RFP.</i>	In a bid of such magnitude and intricacies, it is imperative to evaluate carefully end to end to arrive at a solution and to achieve that it is definite that some assumptions will be the fundamental basis which will also give rise to some terms and conditions, so that SI's interests and business justification is NOT forcibly turned down. Hence, it is imeparative to allow bidders sufficient ground to offer solution with Assumptions and T&Cs as required, without amounting to Material Deviation. Hence request to kindly remove this clause as NO RFP can be 100% accurate in specifying overall requirements, parameters and situation.	Any deviation suggested by the bidder will be considered on a case to case basis. The decision of the technical committee will be final and binding on the bidder.
598	Vol I, 2.30 Right to vary quantity	27	a. At the time of award of contract, 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.	Since Vendors may change the unit prices with increase in quantity, therefore bidder shall pass such a change to customer as well.	Tender Clause Remains Unchanged
599	General			Payment delayed by customer beyond the agreed credit period will attract interest @ 2% per month or part thereof. Kindly include the same.	Request for addition not accepted
600	Vol.2_RFP	40	Bank Account Details	Please Clarify : The different categories of bank account (Employee/ Vendor /Agencies) details that needs to be maintained in the system.	Yes
601	Vol.2_RFP	40	Revenue Stamp Management	Please Clarify : On the scope of revenue management, whether all the processes from procurement to issuance needs to be covered.	Yes

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
602	Vol.2_RFP	40	Loans Management - Alerts for Loan Installment payment	Please Clarify: What should be the mode of these alerts either it should be built in notification in the system or some email and message alert to configured user	Yes
603	Vol.2_RFP	40	Zone/Ward/CCC wise Bank Collections	Please Clarify: The modes of collection along with the workflow (if any).	Yes
604	Vol.2_RFP	41	Journal Book	Please Clarify: The mode of accounting that needs to be followed cash or accrual. What is the accounting system followed in the legacy system	Yes
605	Vol.2_RFP	41	Cost Centered Accounting Reports	Please Clarify: Whether these cost centres stand for various departments or some other cost centres needs to be maintained	Yes
606	Vol.2_RFP	41	Investment Management	Please Clarify: What are the various modes/ options of Investments whose provision needs to be incorporated into the system	Yes
607	Vol.2_RFP	41	Ratio Analysis, Trend Analysis	Please Clarify: What are the various parameters/ processes on which Ratio Analysis/ Trend Analysis along with the method that needs to be carried out.	Yes
608	General	NA	Users	Please Clarify: Location wise count of users who will be using the specific module i.e accounting, property tax etc. of application. Location wise concurrent users.	Details will be shared with the successful bidder during the onboarding
609	General	NA	Performance	Please Clarify: What would be approximate average count of transactions of Payments/Receipts daily, weekly, monthly. What would be the peak transaction period and the count of transactions (Payment/Receipts) during the peak period.	Details will be shared with the successful bidder during the onboarding
610	General	NA	Data Migration	Please Clarify: Architecture of the legacy application used for accounting, property tax etc. Whether it is decentralized or centralized? Whether the version of application is same across all the locations? What would be approximate quantum of data to be migrated? What would be the approximate count of the tables to be migrated?	Details will be shared with the successful bidder during the onboarding
611	General	NA	External Integration	Please Clarify: What are the agencies with which External Integration is to be carried out? Is integration with Payment Gateway(s) required? What is the method/ mechanism of data transfer which is to be used?	Details will be shared with the successful bidder during the onboarding

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
612	General	NA	Training	<p>Please Clarify:</p> <p>What would be the approximate no. of users to whom training on module specific application e.g accounting, property tax etc. is to be imparted?</p> <p>What would be the batch size for training?</p> <p>What would be duration of training?</p> <p>Whether the infrastructure for training would be provided by the client viz. Computers, Training room etc.?</p> <p>Whether the training for all the users be conducted at a single location?</p>	Details will be shared with the successful bidder during the onboarding
613	General	Migration		<p>1. Please let us know the amount of data to be migrated (for example type and quantum of master data, open items, balances etc.). We can provide the necessary templates and upload data, however we expect pre defined Team would fill the Template. Please confirm your acceptance of this approach.</p> <p>2. What is the quantum of Data to be migrated/entered - please give module wise details? Who will provide infrastructure for data entry? Is this referring to one time legacy- cutoff data entry or day to day operations as well?</p> <p>3. Please confirm size of electronic data that needs to be migrated to the new system.</p> <p>4. Other queries :</p> <ul style="list-style-type: none"> • What is the current database size? Is it required to retain current data after migration? • What is expected Data Growth? What is the data retention policy? • How frequently data needs to be archived? 	Details will be shared with the successful bidder during the onboarding
614	General	Migration		<p>1.Please let us know the amount of data to be migrated (for example type and quantum of master data, open items, balances etc.). We can provide the necessary templates and upload data, however we expect the team to fill the Template. Please confirm your acceptance of this approach.</p> <p>2.What is the quantum of Data to be migrated/entered - please give module wise details. Who will provide infrastructure for data entry? Is this referring to one time legacy- cutoff data entry or day to day operations as well?</p> <p>3) As per our understanding ,for legacy data migration, data digitization of the physical forms will not be part of the scope of the successful bidder". The bidder would be responsible for carrying out data entry of existing physical files into the newly developed application. Please clarify if we need to do the data entry of physical files or not also confirm number of pages if yes.</p> <p>4. Please confirm size of electronic data that needs to be migrated to the new system.</p> <p>5-</p> <ul style="list-style-type: none"> i) Please specify the details of the applications from which the data is to be migrated ii) What is the current database size? Is it required to retain current data after migration? iii) What is expected Data Growth? What is the data retention policy? iv) How frequently data needs to be archived? 	Details will be shared with the successful bidder during the onboarding

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
615	General		General	Is setting up of the disaster recovery site in scope of SI? If yes, Who will provides the link between DC & DR ? Does SI needs to consider the cost for DC-DR link. What is the bandwidth required for DC –DR link ? What will be the RPO/RTO expectation o in the case of disaster happens at DC site? Please specify the SLA details as well.	RTO, RPO details have been provided in RFP. Link between DC & DR shall be provided by the authority and bandwidth sizing shall be done by successful bidder in consultation with the authority.
616	General		Legacy Third Party Systems	Request a high level technical details about the existing legacy systems mentioned to get a clarity on the database requirement. The basic details include the following: <ul style="list-style-type: none"> • Details of the database of the legacy system • Details of the format in which data is stored in the legacy systems in case the same is not stored as transaction data in the database • A brief technical overview of the systems which would help in planning for the integration ex. Web service support availability, messaging support etc. • Availability of legacy transaction data in Unicode format or not • Are annotations also required on the digitized Documents? 	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
617	General		General	Please confirm on the Minimum bandwidth availability between Central server and End user location.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
618	General		General	Please confirm if Payment /SMS/ EMAIL gateway transaction fee would be borne by government or not	To be borne by SI
619	General		Scanning & Marking the inward to the respective department	Is character recognition also required as a part of the proposed solution? Should the solution have direct scan and upload Capabilities as well? Kindly confirm the formats.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
620	Additional Provisions			Acceptance Criteria to be added	Not Agreed
621	Additional Provisions			Non-Solicitation to be added	Not Agreed
622	Additional Provisions			Assignment clause to be added	Not Agreed
623	Additional Provisions			Entire Agreement to be added	Draft MSA (Vol 3) has been provided
624	Vol 2 , 5	83	Generalized Scope of work - Finalise the Bill of Material for the Data Center Infrastructure. Note: As part of the scope of work of this Tender, the Successful Bidder shall build the Data Center as per the defined requirement. However Authority reserves the right to go for Co-Location of Data Center.	Entire Agreement to be added	Tender Clause Remains unchanged
625	Vol 2 , 5	87	5.2. Supply, install, commission & configure cameras Supply, install, configure & commission Server Side Infrastructure . The SI shall be responsible for provisioning of connectivity from cameras to Data Centers and Data Centers to the Command and Control Centers.	Kindly remove the connectivity scope from the bidder . As per TRAI regulations SI cannot resell the bandwidth . SI can coordinate with the bandwidth provider for the connectivity commissioning and monitoring the connectivity	Network Connectivity shall be provided by the authority through APSFL.
626	Vol 1, 2.23	1	Tender Ref Number	Please provide Tender ref number. This information is required to be included in the final response doc and MAF from OEMs.	The tender reference number is provided in the portal: RFP:GVSCCL/Projects/01(CCC)/23/2016-17
627	Vol 1, 2.8	9	Return of EMD	Please change the clause for unsuccessful bidders as EMD to be returned within 30 days of identifying a successful bidder .	Tender Clause remains unchanged
628	Vol 1, 2.29	20	• Minimum installation base of 50,000 IP based cameras across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) of minimum 1000 IP based city/outdoor cameras each in last 3 years	Is there any proof required from the OEM? Please indicate the proof / certificate required from them. Is there a format for the same?	Yes. Proof is required for camera installations. Bidder experience/client citations/appropriate documents to be provided as proof.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
629	Vol 1, 2.29	27	With regards to above table, OEMs will certify the installation base and the project experience. This certificate shall be issued through the Global Headquarters and attested by the Indian office.	Please be specific on which Global HQ and which is the Indian office mentioned?	Tender clause is self explanatory and remains unchanged. Global HQ & indian office of OEM
630				what is your view on distributed control and command center to have a hollistic city view considering 40+ mandals in Vizag District	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
631				What will be the printing machanism in Recovery Data center	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
632				As Industry standard, camerato worstation ratio should be 1:4, we reecomend more no of seats in primary and secondary control and command center	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
633	Vol 2, Section 3.3	31	Regarding Rule Engine	<p>As per mentioned in the RFP document, for various workflow, there would be requirement of managing the various rules at diffent levels of the workflow.</p> <p>So taking the requirement into consideration, we recommend that Rule engine required as part of workflow management system should have atleast the below mentioned capabilities in it:</p> <ol style="list-style-type: none"> 1) Rule Engine should have a complete web based environment for the design, definition, testing, rule management operations and deployment of rules. 2) Rule Engine should have the web standard interfaces such as Web Services Definition Language (WSDL), XML Schema Definition (XSD), and Simple Object Access Protocol (SOAP) so that it can communicate with other applications based on open standards. 3) Solution should have the capability to deploy rules as the web service. 4) Solution should have the capability to define rules through "If else" statement or through "Decision Table". 5) Audit logging of changes/modifications done in the rules. <p>Please confirm.</p>	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
634	Vol 2, Section 3.3	31	Regarding Scanning Solution	<p>As per mentioned in the RFP document, the Scanning of physical documents and correspondence and uploading the electronic documents into the Document Management System is one of the key requirement of the RFP.</p> <p>Therefore, we recommend that the scanning solution should have support for the following features:</p> <ul style="list-style-type: none"> • Both bulk and web scan capabilities • Automatic extraction of data using OCR • Automatic file and document separation using blank page separator, barcode separator and fix page • Automatic correction of parameters like improper resolution, format/ compression not proper, skew, wrong orientation, error in automatic cropping, punch hole marks etc during scanning <p>Please confirm our understanding.</p>	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.

S No	RFP Volume,Section	RFP Page No	Content in the RFP	Clarification sought	Response
635	Vol 2, Section 2.1	10	Integration	<p>In order to clear the scope of integration, Will there be any other application apart from the mentioned below, with which the proposed Document Management & Workflow management system needs to be integrated:</p> <ul style="list-style-type: none"> a. Integration with existing systems b. UID c. SRDH (State Resident Data Hub) d. Portal e. Payment Gateway f. Digital Certificates g. Email and SMS gateway h. Property Tax i. GIS j. KIOSK k. HRMS l. Central Store m. Central Medical Store n. Accounts o. WMS p. Professional Tax q. GPS <p>Please confirm and provide clarity on the existing systems.</p>	Please refer vol2 of RFP. Technical scope is self explanatory
636	Vol 2, Section 3.1	31	Document Management system	<p>Document Management System (DMS) would be one of the most important system in this project because all the workflows would be highly document intensive and would require a robust Document Management System at the backend. There we recommend that the proposed DMS should have the below mentioned features:</p> <ul style="list-style-type: none"> • DMS should be scalable enough to manage millions of documents without effecting the performance of the system. • Categorization of documents in folders-subfolders just like windows interface. There should not be any limit on the number of folder and levels of sub folder. • Web based rights management for granting user/group/role based access to various functionalities. • Server based Inbuilt Document Image Viewer for displaying image document without native viewer and stamping annotations on the documents like highlighting, marking text, underlining putting sticky notes on documents, and support for text and image stamps etc. <p>Please confirm.</p>	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.

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637	Vol 2, Section 3.1	31	File Tracking System	As per the RFP, department has the requirement of File Tracking System. Therefore, we strongly feel that following features should also be part of the required File Management System: So based on our experience of working with various Govt organizations in India, we strongly feel that ESIC has the requirements for File/DAK Management system with below mentioned features: <ul style="list-style-type: none"> • File/DAK Management System should be based on Manual of office Procedure (MOP from DARPG- Department of Administrative Reforms And Public Grievances) • DAK/File Management with features like online DAK/File register etc • Whitehall based file movement (File view with all Documents are shown on one side and Green NoteSheet on other side) • Supports for Green Note sheet • Secure notes and annotations. • Should be based on Enterprise Content Management & Business Process Management framework. 	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
638	Vol 2, Section 3.3	13	Multi Language Support	As per mentioned in the RFP document, "The solution proposed should be Unicode compliant. Authority envisages requirements for both English and Telugu for Data Entry, Display, Input and Output". With this our understanding is that the proposed system should have user interfaces as well as data entry capability in both the languages i.e. Telugu and English. Please confirm our understanding.	Yes
639	General		Office Note Management	As per our experience of working with the Government Organisations, Office note management is of the key administrative activity in the government departments. Therefore, we recommend that the department should have a Office Note Management module with the following features: <ul style="list-style-type: none"> • In-built Web based Text Editor with basic functionalities such as bold, alignment, font, color etc. • A draft folder to save Office Notes that are created through in-built text editor. • Ability to route the Office Note for approval. • Search and check the status of a Note in workflow • Facility to add the approved Office Note in a File. Please confirm if our understanding is correct.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution. and detailed configurations can be worked out during implementation phase.
640	General		PAS Integration	Would there be separate work station like the smart city control center for the difference integration location like Police Station, Traffic control center.	CCC should have capability for such integrations. Details regarding number shall be worked out with succesful bidder post onboarding
641	Vol 1, Section 7.9.F.F1	81 / 83	Whether/Environmental Sensors is mentioned as 15. Whereas in 7.9 Para J. Training and Overall Project Management : K12 Environmental Sensors , it is mentioned as quantity 50.	Please confirm as whether the quantity is 15 or 50	Environmental sensors are 15 and smart poles are 50
642	Vol-1, Section 7.9, A16	75	Command center workstation and furniture	Please provide the architecture layout along with furniture details	Details will be worked out with successful bidders on oboarding.
643	Vol-1, Section 7.9, C29	78	Diseal generator set	please provide quantity and rating of the DG set	Please refer commercial bid BOQ for quantities
644	Vol-1, Section 7.9, C29	78	UPS	Kindly specify rating and quantity of the proposed UPS for datacenter infrastructure	Please refer commercial bid BOQ for quantities and vol2 for scope
645	Vol-1, Section 7.9, H18	82	UPS(Solar+electric) with batteries	Kindly provide the capacities required along with the specification of the solar UPS.Also provide the split up of quantities for Solar and Electric UPS systems.	Please refer commercial bid BOQ for quantities and vol2 for scope
646	Vol-1, Section 7.9, M5	86	Bus station UPS	Please provide the capacity of the same	Bidder can size the requirement appropriately
647	Vol-2, Section 6	135	Command air-conditioning at command center	Kindly provide the cooling capacity for comfort	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

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648	Vol-2, Section 6.2	111	Ventilation system requirement	Kindly specify the Air change/hour for all Datacenter and command center	Bidder can size the requirement appropriately
649	Vol-1, Section 7.9, A12	82	Electrical cabling and necessary illumination devices	Please provide the specification of Light fixtures and Lux level requirement for command center.Also provide the specifications for the cables	Bidder can size the requirement appropriately
650	Vol-1, Section 7.9, H5	75	Provisioning of Electrical power	Please provide the rating of power sockets/isolators to be considere as mentioned in the BOM	Bidder can size the requirement appropriately
651	Vol-1, Section 7.9, D8	79	Antivirus Software for Servers 200 Nos.	But No. of Servers count is not 200. Should you required 200 Nos. of Antivirus Software	Yes
652	Vol -2 RFP/ 3.D	26	Antivirus & Anti-Spam	Please Confirm, if the Authority will provide the Anti virus Software for all the end user devices- Laptops/Desktops etc.?	To be provided by SI
653	Vol -2 RFP/ 3.D	26	Monitor the client security tools and adhere to the security policies as finalized with the Authority.	What are the client security tools that are currently in place which needs to be monitored?	Nil
654	Vol -2 RFP/ 4.1 Project Planning & Management	73	Manpower Deployment List	We understand that, entire Facility Management services for Data centre and Disaster recovery site along with the Command Centres would be part of scope of this engagement , Please confirm ?	Yes
655	Vol -2 RFP/ 5.1	83	Updated Base Map of Hyderabad City (Min 1:1000)	Please confirm, if this is Hyderabad or Visakhapatnam ?	Visakhapatnam
656	Vol -2 RFP/ 5.1	83	Anti-virus Software	Please confirm this anti virus Software is for End user Devices or Server level Anti virus Software as well?	Centralised antivirus should cater server and client devices
657	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	Our Understanding is that, Helpdesk will also act as Network Operations centre for Centralized Monitoring of entire IT infrastructure spread across Vizag City. Please Confirm.	Yes
658	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	We also understand that, all the Facility Management Manpower (Except the Hand & Feet Support field force) of the bidder will be placed in the Helpdesk facility of the bidder. Please Confirm ?	Yes
659	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	What is the location of the Command and Control centre in Vizag, where all the bidders Manpower would be operating from.	Command & communications center will be on ground floor GVMC main building.
660	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	Please confirm, if the authority will provide all the necessary infrastructure for setting up of helpdesk (Network Connectivity, Desktops, Space and Furniture etc.) ?	Authority will provide civil infrastrucure (space), electricity till transformer and network connectivity. Bidder is required to do interior work, LAN cabling for helpdesk/CCC,furniture, desktops required IT/Non IT equipments for operationalisation of Helpdesk and CCC.
661	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	Will the Authority provide SMS Charges and SMS Gateway provisioning or the SI need to factor this cost as well in Helpdesk provisioning ?	Yes. SI should factor
662	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	Rent charges for Toll Free will be taken care by the bidder, but recurring charges we recommend to be borne by Client as usage will differ on monthly and daily basis	Recurring Charges for the O&M Phase also shall be bourne by the SI
663	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	What would be Service Window for the Opeartions for DC, DR and Network Management ? 24x7 etc ?	24x7
664	Vol -2 RFP/ 5.2	91	Helpdesk and Facilities Management Services	Please confirm, if Network Link and Bandwidth Monitoring at all the Smart enabled sites will be part of scope of this engagement ?	Network Connectivity shall be provided by the authority through APSFL.
665	Vol -2 RFP/ 6.1	93	Command and Communications Centre (CCC)	Will the Monitoring of all the Sensors, Actuators across the city will be part of the Facility Management services scope ?	Yes
666	Vol -2 RFP/ 6.2.12	126	Enterprise Management System (EMS)	Should the Licenses for Enterprise Management System and other software (Centralized Helpdesk, Network management and Anti virus Management software etc.) be procured on the Name of Authority or the Service Provider ?	Yes in the name of the authority
667	Vol -2 RFP/ 7	219	Operations & Maintenance Phase for a period of 60 months from the date of Go-Live of the last solution. - G+60 Months- 35%	What would be the payment terms during the operations phase for the rest of the 35% of the payment ? Monthly in Arrears, Quarterly in Advance etc. ?	Quarterly in Arrears
668	Vol -2 RFP/ 8.2	222	For > 1% of the calls not getting responded in less than or equal to 60 seconds per quarter	Response Time of 60 Seconds is very difficult to achieve considering the scale of operations, request the authority to reconsider the same.	Tender Clause Remains unchanged
669	Vol -2 RFP/ 8.2	222	For > 1% of the calls not getting responded in less than or equal to 60 seconds per quarter	Also request the department to classify the response time based on criticality of the issue(Low, Medium and High)	Tender Clause Remains unchanged

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670	Vol 2, Section 3.1	13	Single Sign On	Please confirm that the SSO is already present with you and we need to only integrate it with ERP. Provisioning, Licensing, Implementation of SSO is out of scope.	Bidder to provide SSO.
671	Vol 2, Section 3.12 D	49	Payroll	Is it system required to generate the Payroll of Pensioners as well ? This is pertinent as the Licensing of Payroll is based on the Number of Payslips generated monthly.	Technical scope in RFP is self explanatory. Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
672	Vol 2 Section 8	220	Post-Implementation SLAs	What level of support is expected for Application? 24X7, 8X5, please clarify	Technical scope is self explanatory in SLA section
673	Vol 2 Section 8	220	Post-Implementation SLAs	Whether onsite offshore model of support is acceptable to client?	Scope for SLA has been mentioned and bidder should abide
674	Vol 2 Section 8	220	Post-Implementation SLAs	Is there any current process for Change and Release management, if yes please share the same or else let us know if Vendor can propose their own's Change and Release management Process	Bidder to propose their own mechanism meeting RFP
675	Vol 2 Section 8	220	Post-Implementation SLAs	RFP mentions about the change request and enhancement during the support period, Please let us know whether Vendor can propose Basket of No. of Enhancements or change request for each application or group of applications based on past experience	Tender condition remains unchanged
676	Vol 2 Section 8	220	Post-Implementation SLAs	Whether client is looking for any upgrades during the support phase? If yes please let us know whether vendor can cap the no of upgrades during the support phase	Bidder should meet scope for post implementation phase
677	Vol 2 Section 8	220	Post-Implementation SLAs	Is there any requirement for minimum resources to be onsite (e.g. Help desk team or ERP application team during working hours to be onsite etc.)	Scope for SLA has been mentioned and bidder should abide
678	Vol 2 Section 8	220	Post-Implementation SLAs	What is the approx. team - In-house and from vendors supporting currently.	Bidders can visit GVMC
679	Vol 2 Section 1.2	7	Integration	Please share more details of mPower	Bidders can visit GVMC CCC
680	Vol 2 Section 2.1	9	General	Bidder will design the solution and sizing based upon the scope and parameters provided in the RFP. For any additional services or changes in the user base, Dept will procure the additional HW and software separately. Please confirm	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
681	Vol 2 Section 2.1	9	General	Please differentiate between command & communication center and command & control center	Please read it as command & communication center
682	Mobility		General	Exactly how many mobile applications are required and who are the users of this/these mobile apps?	To be discussed and finalized at the time of onboarding of SI
683	Mobility		General	At some places, it is mentioned that the mobile app is required for Android, iOS and Windows platforms where as in some places it is mentioned for Android and iOS only. Please specify exactly how many platform compatibility is required? Can we safely assume that it is required on Android, iOS and Windows platforms	mobile app is required for Android, iOS and Windows platforms
684	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_o.3.pdf	15	All the important features and functionalities envisaged in the present RFP should be made available through the mobile application.	Which are these important features which have been envisaged for mobile apps? This is very important to estimate the efforts.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
685	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_o.3.pdf	15	The mobile application should be developed in the latest version of Android, iOS and Windows operating system	Can we consider the "Develop once use on multiple platform (hybrid app)" approach in place of "Develop separately for each platform (native app)" approach for the mobile app development.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
686	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_o.3.pdf	16	Multilingual: The portal should primarily be available in Telugu & English but as per the requirement proposed by Authority it should be available in Hindi too.	Is it only for the portal or mobile app is also required to be multilingual?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
687	Vol 2_RFP for System Integrator_Scope of work 5.12.2016_o.3.pdf	100	Single Dashboard for City Infrastructure Management & Smart City Services for Smart Lighting, Utility/Surveillance System, GIS Services and Other Services of Authority work visualized real time on 2D/3D map of City. This dashboard can be accessed via web application as well as mobile app . The various information that may be accessed from the system but not limited to are as below:	Can you please elaborate the mobility scope on this requirement?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.

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688	Mobility			Any guidelines on Offline capability/access of the mobile apps? If yes, please provide the use cases?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
689	Mobility			Is there any hardware integration like printer, scanner, etc. is required for mobile app?	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
690	Mobility			Volumetric details are required with respect to mobile app. i.e. how many users/stake holders, what is the concurrency? Please share the same.	Minimum indicative specifications have been provided. Bidder can propose higher specifications/solution.
691	Mobility			Any guideline on where to host the mobile app post production deployment? i.e. on public app stores like Android/iOS/Windows or on the private app stores? If the hosting is required to be done on public app stores then developer licenses are required from Android and iOS. Who will provide the same? Can we make use of existing licenses available at your end?	Bidder will have to provision
692			General	The QA team should have a dedicated Quality environment, Please clarify who creates, manages, monitors and maintains the test environment	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
693			General	Do you have any regression pack or repository of test cases / test scripts stored & modified over time? If Yes, pls provide the count of test cases for application - module wise	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
694			General	Is any automation tool currently being used like HP ALM, UFT etc.,? If Yes, is there any defined automation framework	Bidder to provision their own systems. Presently there is no system
695			General	What are the existing Testing Tools that is presently being used in this program: - Test Management - Defect Management - Requirements Traceability	Bidder to provision their own systems. Presently there is no system
696			General	At what phase of the Software Development life cycle is Performance Testing involved currently? Are there any early/ Component level performance tests, Code profiling, Design level Performance validations etc.?	Technical scope is self explanatory. Bidder can propose their solution meeting/exceeding the requirements.
697			General	Are there any performance testing tools currently (HP LR, Neoload etc.)	Bidder to provision their own systems. Presently there is no system
698			General	Are there any APM's like Dynatrace, Appdynamics or Monitoring tools like HP Sitescope being used? How are the applications monitored currently during performance tests?	Bidder to provision their own systems. Presently there is no system
699			General	Is performance testing being currently done on a dedicated performance test environment? Please let us know if it is required to be done on other environments such as staging/pre-prod/production. Please share environment related challenges if any (e.g. scalability, Scaled Down version, configurations etc.) which needs to be addressed.	Bidder to provision their own systems. Presently there is no system
700	2.8	2.8 Earnest Money Deposit (EMD)	For Unsuccessful bidders: The bid security of all unsuccessful bidders would be refunded without interest by Authority on finalization of the bid in all respects by the successful bidder.	What is the EMD validity period and What is the meaning of "finalization of the bid on all respects"	Tender specifications are self explanatory
701	2.15	2.15 Bid Price	Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account. A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.	Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account except those mentioned in the contract . A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.	Tender Clause remains unchanged
702	2.21	2.21 Acceptance/Rejection of Bids	In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.	In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.	Tender Clause remains unchanged

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703	2.30	2.30 Right to vary quantity	Add	However, any variation in quantities mentioned in this clause shall not be more than 10% of the agreed total contract value quoted by the bidder. Any variation more than the given percentage, the rate for the same shall be mutually discussed and agreed	Request for addition not accepted
704	4.4	4.4 Warranty & Maintenance	During the comprehensive warranty period, the successful bidder shall provide all product(s) and documentation updates, patches/fixes, and version upgrades within 15 days of their availability and should carry out installation and make operational the same at no additional cost to Authority.	During the comprehensive warranty period, the successful bidder shall provide all product(s) and documentation updates, patches/fixes, and version upgrades within 15 days of their availability and should carry out installation and make operational the same at no additional cost to Authority.	Tender Clause remains unchanged
705	8.1	8.1. Pre-Implementation SLAs	<input type="checkbox"/> In case the penalties for the selected bidder reaches 10% of the capex value in the form of penalty, cumulative of penalties for all smart elements, at any point of time during the duration of pre- implementation phase, GMVC reserves the right to invoke the termination clause.	<input type="checkbox"/> The pre-implementation penalty is capped to 10% of the CAPEX value. In case the penalties for the selected bidder reaches 10% of the capex value in the form of penalty, cumulative of penalties for all smart elements, at any point of time during the duration of pre-implementation phase, GMVC reserves the right to invoke the termination clause.	Tender Clause remains unchanged
706	7	7. Payment Terms & Payment Schedule	2. Due payments shall be made promptly by the Authority, generally within sixty (60) days after submission of an invoice or request for payment by SI	2. Due payments shall be made promptly by the Authority, generally within fifteen(15) sixty (60) -days after submission of an invoice or request for payment by SI	Tender Clause remains unchanged
707	7	7. Payment Terms & Payment Schedule	7. Taxes, as applicable, shall be deducted / paid, as per the prevalent rules and regulations	7. Taxes, as applicable, shall be deducted / paid, as per the prevalent rules and regulations as on the date of invoice or request for payment	Tender Clause remains unchanged
708	7	7. Payment Terms & Payment Schedule - Payment Schedule	Mobilization Advance - 10%; Delivery and installation of hardware/IT/Non-IT infrastructure, Software at Command Communications Center (CCC) & Pan City wide Smart Sensors, Cameras, Emergency Call Box, Public Address System, Variable Messaging Sign Boards etc - 25%; Commissioning, training, operationalizing & Go Live at Command Communications Center (CCC) & Pan City wide Smart Sensors, Cameras, Emergency Call Box, Public Address System, Variable Messaging Sign Boards etc. - 30%; Operations & Maintenance Phase for a period of 60 months from the date of Go-Live of the last solution - 35%	Request to change as below - Mobilization advance - 10% of TCV Below milestone to be followed for each smart city componet - Requirment phase - 20%; Design phase - 30%; Development phase - 10%; Integration phase - 10%; Go-live - 5%; Operation and maintenance - 15%	Tender Clause remains unchanged
709	7	7. Payment Terms & Payment Schedule - Payment Schedule	Timelines	The time lines are provided here, but as per the RFP Vol - 1 clause 7.5.2 employer is asking for the project plan. Whether the payment will be based on the actual time line or given time line in payment schedule. Please clarify	Payment will be based on achieving the Payment Milestones within the prescribed timeline. A detailed Project Plan needs to be submitted by the SI.

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710	3	Mobile Application	... In order to maximize citizen convenience and bring about business process improvements, the SI must continuously innovate, upgrade and incorporate such new technologies that emerge. It is also assumed that SI would attempt to include as many services over mobile devices as possible, beyond the ones explicitly mentioned in this document.	... In order to maximize citizen convenience and bring about business process improvements, the SI must continuously innovate, upgrade and incorporate such new technologies that emerge. It is also assumed that SI would attempt to include as many services over mobile devices as possible, beyond the ones explicitly mentioned in this document.	Tender Clause Remains unchanged
711		Service Maintenance	Service provider must maintain the infrastructure at DR site. If any system has to be upgraded at DR end, that should be done by the bidder.	Service provider must maintain the infrastructure at DR site. If any system has to be upgraded at DR end, that should be done by the bidder.	Tender Clause Remains unchanged
712		Deploy / Develop, Test and Commission on the Surveillance System	(b) Delivering the Surveillance System, along with all of the necessary modules and additional functionalities/ integrated products, utilities, system drivers and documentation consistent with proven standards, including product updates, technology upgrades and patches to run on the selected operating system(s) and hardware according to the solution.	(b) Delivering the Surveillance System, along with all of the necessary modules and additional functionalities/ integrated products, utilities, system drivers and documentation consistent with proven standards, including product updates, technology upgrades and patches to run on the selected operating system(s) and hardware according to the solution.	Tender Clause Remains unchanged
713			Add	Any product upgrade and new technology shall not be part of SI. Please confirm	Accepted
714	10.5	10. Bidder's Obligations	10.5. SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	10.5. SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit except for the unavoidable reasons mentioned in the said clause , a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	Tender Clause Remains unchanged
715	10.27.2	10. Bidder's Obligations	10.27.2. As per TRAI guidelines, resale of bandwidth connectivity is not allowed. In such a case tripartite agreement should be formed between Authority, selected Bidder and Internet Service Provider(s).	Request for more information	Presently as per TRAI Guidelines, resale of bandwidth is not allowed. If the same scenario continue in the future, then a tripartite agreement shall be executed between Authority, selected Bidder and Internet Service Provider(s).
716	11.6		11.6. Authority reserves the right to procure the hardware including devices on quarterly basis in first year based on actual deployment and O&M shall be applicable whenever the devices are procured and deployed till end of the contract.	Requir further information, not understood	O&M shall be applicable for the devices from the date of purchase of goods.
717	11.7	11.7. Site Not Ready:	Authority hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. Authority agrees that SI shall not be in any manner liable for any delay arising out of Authority's failure to make the site ready within the stipulated period.	Authority hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. Authority agrees that SI shall not be in any manner liable for any delay arising out of Authority's failure to make the site ready within the stipulated period. Further, as a result of this delay if the milestone is incomplete, GVMC will pay for work executed as if the milestones are achieved, however the responsibility of completing the milestone will lie with SI	Tender Clause remains unchanged
718	12.1	12. Payments	Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C- Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C- Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 15 45 days of receipt of invoice(s) and all necessary supporting documents.	Tender Clause remains unchanged

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719	14.2	14. Taxes	14.2. SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to Sales Tax, Customs duty, Excise duty, Octroi, Service Tax, VAT, Works Contracts Tax and all Income Tax levied under Indian Income Tax Act – 1961 or any amendment thereof during the entire contract period, i.e., on account of material supplied and services rendered and payments received by him from the Authority under the Contract. It shall be the responsibility of SI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. SI shall also provide the Authority such information, as it may be required in regard to SI's details of payment made by the Authority under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Authority shall at all times be in accordance with Indian Tax Law and the Authority shall promptly furnish to SI original certificates for tax deduction at source and paid to the Tax Authorities.	14.2. Authority SI shall bear all taxes and duties etc. levied or imposed on SI, it's sub-contractor under the Contract including but not limited to Sales Tax, Customs duty, Excise duty, Octroi, Service Tax, VAT, Works Contracts Tax and all Income Tax levied under Indian Income Tax Act – 1961 or any amendment thereof during the entire contract period, i.e., on account of material supplied and services rendered and payments received by him from the Authority under the Contract. It shall be the responsibility of SI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. SI shall also provide the Authority such information, as it may be required in regard to SI's details of payment made by the Authority under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Authority shall at all times be in accordance with Indian Tax Law and the Authority shall promptly furnish to SI original certificates for tax deduction at source and paid to the Tax Authorities.	Tender Clause remains unchanged
720	16.2	16. Warranty	16.2. Technical Support for Software applications shall be provided by the respective OEMs for the period of contract. The Technical Support should include all upgrades, updates and patches to the respective Software applications.	16.2. Technical Support for Software applications shall be provided by the respective OEMs for the period of contract. The Technical Support should include all upgrades , updates and patches to the respective Software applications.	Tender Clause Remains unchanged
721	16.2	16. Warranty	16.4. The SI warrants that the goods supplied under this contract shall be of the highest grade and quality and consisted with the established and generally accepted standards for materials of this type. The goods shall be in full conformity with the specifications and shall operate properly and safely. All recent design improvements in goods, unless provided otherwise in the Contract, shall also be made available.	16.4. The SI warrants that the goods supplied under this contract shall be of the highest good grade and quality and consisted with the established and generally accepted standards for materials of this type. The goods shall be in full conformity with the specifications and shall operate properly and safely. All recent design improvements in goods as on the date of submission , unless provided otherwise in the Contract, shall also be made available.	Tender Clause Remains unchanged
722	23.1	23. Delivery	23.1. SI shall bear the cost for packing, transport, insurance, storage and delivery of all the goods for "Selection of agency for implementation of Greater Visakhapatnam Smart City" at all locations identified by the Authority in Greater Visakhapatnam.	What is the meaning of storage, whether this is after the delivery or before delivery at agreed site	Keeping in Custody till the goods are commissioned / installed.

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723	25.1	25. Transfer of Ownership	25.1. SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI 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 Greater Visakhapatnam Smart City Corporation Limited. For any pre-existing work, SI and Greater Visakhapatnam Smart City Corporation Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.	25.1. SI must transfer all titles, risk and ownership to the assets and goods procured for the purpose of the project to the Authority at the time of delivery at the site Acceptance of System . This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI 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 Greater Visakhapatnam Smart City Corporation Limited. For any pre-existing work, SI and Greater Visakhapatnam Smart City Corporation Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.	Tender Clause Remains unchanged
724	27.3	27.3. Liquidated Damages	27.5. The deduction shall not in any case exceed 10 % of the contract value.	In Vol 1 clause 8.1 it is mentioned as 10% of Capex. Please confirm whether this is the repition or LD is different	Tender Clause Remains unchanged
725	35.5	35. Termination	35.5. SI may, subject to approval by the Authority, terminate this Contract before the expiry of the term by giving the Authority a prior and written notice at least 3 months in advance indicating its intention to terminate the Contract.	35.5. SI may, subject to approval by the Authority , terminate this Contract before the expiry of the term by giving the Authority a prior and written notice at least 30days 3 months in advance indicating its intention to terminate the Contract.	Tender Clause Remains unchanged
726	36.2	36. Consequence of Termination	36.2. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of SI or due to the fact that the survival of SI as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever, the Authority, through unilateral re-determination of the consideration payable to SI, shall pay SI for that part of the Services which have been authorized by the Authority and satisfactorily performed by SI up to the date of termination. Without prejudice to any other rights, the Authority may retain such amounts from the payment due and payable by the Authority to SI as may be required to offset any losses caused to the Authority as a result of any act/omissions of SI. In case of any loss or damage due to default on the part of SI in performing any of its obligations with regard to executing the Schedule of Requirements under the contract, SI shall compensate the Authority for any such loss, damages or other costs, incurred by the Authority. Additionally, members of its team shall perform all its obligations and responsibilities under the Contract in an identical manner as were being performed before the collapse of SI as described above in order to execute an effective transition and to maintain business continuity.	36.2. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of SI or due to the fact that the survival of SI as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever, the Authority, through unilateral re-determination of the consideration payable to SI , shall pay SI for that part of the Services which have been contractually authorized by the Authority and satisfactorily performed by SI up to the date of termination. Without prejudice to any other rights, the Authority may retain such amounts from the payment due and payable by the Authority to SI as may be required to offset any losses caused to the Authority as a result of any act/omissions of SI. In case of any loss or damage due to default on the part of SI in performing any of its obligations with regard to executing the Schedule of Requirements under the contract, SI shall compensate the Authority for any such loss, damages or other costs, incurred by the Authority. Additionally, members of its team shall perform all its obligations and responsibilities under the Contract in an identical manner as were being performed before the collapse of SI as described above in order to execute an effective transition and to maintain business continuity. All third parties shall continue to perform all/any functions as stipulated by the Authority and as may be proper and necessary to execute the Schedule of Requirements under the Contract in terms of SI's Bid, the Bid Document and the Contract	Tender Clause Remains unchanged

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727	37.6	37. Change Control Note (CCN)	37.6. Each Party shall be responsible for its own costs incurred in the quotation, preparation of CCNs and in the completion of its obligations described in this process provided SI meets the obligations as set in the CCN. In the event SI is unable to meet the obligations as defined in the CCN then the cost of getting it done by third party shall be borne by SI. Change requests and CCNs shall be reported monthly to each Party's representative who shall prioritize and review progress.	37.6. Each Party shall be responsible for its own costs incurred in the quotation, preparation of CCNs and in the completion of its obligations described in this process provided SI meets the obligations as set in the CCN. In the event SI is unable to meet the obligations as defined in the CCN then the cost of getting it done by third party shall be borne by SI. Change requests and CCNs shall be reported monthly to each Party's representative who shall prioritize and review progress.	Tender Clause Remains unchanged
728		Clause not present in RFP	Add	If SI, having been notified, fails to remedy the defect(s)/delays within thirty (30) days from date of receipt of notice of breach by Authority and the defect becomes irremediable at SI's end, the Authority may procure substitute goods/services from any third party and require bidder to reimburse the Authority for any additional costs incurred in procuring such goods/services from a third party. However the amount to be reimbursed shall not Exceed 10% of amount paid or payable if the goods/services were procured from bidder.	Request for addition not accepted
729		Clause not present in RFP	Add	The title and ownership of the products shall be transferred to the Authority upon delivery of such products at the agreed site	Request for addition not accepted
730	Volume 2, Pg 219 - Payment Schedule			Payment made to the SI on completion of the Payment Milestone	It has been clarified that the % of Payment made to the SI on completion of the Payment Milestone is % of the Total Project Value
731	Volume II	Annexure 4: Page 233	Visakhapatnam Junctions list	Pls share latitude and longitude of the junction as it is little difficult to locate exact junction	The data will be shared with the successful bidder at the time of onboarding
732	Volume II	Page 85; GIS Integration	"Bidder is to check the availability of such data and it's suitability for the project"	If GIS and building structure are already there , pls share the format in which they are available	The data is currently not available
733	Volume II	Page 12; 2.3. Project Implementation Timelines	"T + 180 days"	For ERP , time should be increased to 1 year (T+360) as it is green field project and from scratch work has to be done	Tender clause remains unchanged
734	Volume II	Page 155; 6.7. Emergency Call Box		Location of emergency call box are not mentioned. Please confirm the latlong of the ECB where it to be installed.	The data will be shared with the successful bidder at the time of onboarding
735	Volume II	Page 155; 6.7. Emergency Call Box	a) The emergency box (or panic button) will enable citizens to establish a two way audio (microphone and speaker) & camera (video camera and a video screen) communication link with Police (or / and with Authority's Disaster Management Cell or Command and Communications Centre) through a press of a button.	Is there requirement of video screen at ECB installed in the field? According to different scenario and best practice , there should not be any screen in the field installed ECB because it will consume more power and more were and tear. 2nd battery will drain very quickly in the field. unnecessary data use will also be there.	Tender clause remains unchanged

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736	Volume II	Page 152; 6.5.2. Technical Specifications	24. Battery <input type="checkbox"/> 230VAC+ 15%, 50Hz, Single Phase (automatically re-start in the event of an electricity supply failure) <input type="checkbox"/> Batteries with solar charging options can also be recommended as back up	Is solar panel mandatory ?	Clause is self-explanatory.
737	Volume II	Page 152; 6.5.2. Technical Specifications		Please provide the list of Identified locations with lat long	The data will be shared with the successful bidder at the time of onboarding
738	Volume II	Page 152; 6.5.2. Technical Specifications		VMD's most important criteria is pitch i.e. spacing between 2 consecutive LED. Pls specify if there is need to P6 / P10 / P15 OR something else.	Minimum specifications have been specified. Details shall be finalised with the bidder on onboarding.
739	Volume II	Page 152; ii. Application Software for VMS (Control Messaging Application at Data Centre)	1) Be deployable over multiple (3 to 4) workstations	How many dedicated work stations are required for the VMD where no other work will be carried?	Clause is self explanatory
740	Volume II	Page 152; 6.6. Public Address System	2. Speakers <input type="checkbox"/> Minimum 2 Speaker, to be used in different directions <input type="checkbox"/> Minimum 200 Watts of amplification	Does it means 200 watts of amplification per junction ?	Yes.
741	Volume II	Page 153; 6.6.1 Functional specifications	g) PA system's master controller should facilitate multiple MIC inputs and audio inputs.	Is local mic is also required by traffic police near to the speaker for local announcement ?	Yes.
742	Volume II	Page 153; 6.6.1 Functional specifications		Locations where speakers will be installed are not given thus need the lat long of the junctions where it will be installed.	The data will be shared with the successful bidder at the time of onboarding
743	Volume II	Page 167; Video Analytics		Is there need that all analytics should run on all camera simultaneously ? Like suspicious incident, crowd management , traffic management?	Yes.
744	Volume II	Page 167; Video Analytics	Other features 1. It shall be able to stitch up to 4 camera videos with overlapped view and provide the stitched view.	This feature is proprietary feature of single company thus and should be eliminated.	Tender Clause remains unchanged

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745	Volume II	Page 170; 6.8.3. Fixed Box cameras	15. Local storage microSDXC up to 64GB (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.	Is it compulsory to supply 64 GB SD card for local storage in camera?	Clause is self explanatory
746	Volume II	Page 170 ; 6.8.6. Infrared Illuminators	3. Angle of illumination Adjustable	Pls suggest the range of angle of illuminator.	Minimum specifications have been specified. Bidder is free to propose higher specification.
747	Volume II	Page 170 ; 6.9.11. Environmental Sensors		Latitude and longitude of wifi, street lighting and Environmental system are needed.	The data will be shared with the successful bidder at the time of onboarding
748	Volume II			Bandwidth between end point and SCOC is in bidders scope?	Yes
749	Volume II			Who is going to bear the cost of electricity for all equipment (field and DC/DR)?	SI
750	Volume 1	Consortium	Max 3 companies are allowed in a consortium	As this is a complex bid with multiple technology elements of diversified nature, each of which is a niche by itself, Request increase in consortium size to 4 companies.	Tender clause remains unchanged
751	Vol 1, Section 3.6	30	Bidders Financial & Organization Strengths	As the nature of project is complex and long term in nature (Execution of 8 months + O&M of 5 years), we suggest that the current technical weightage for this section A has to be increased from current score of 10 to 20. This is a very important parameter to judge the financial viability and long term sustenance of organization bidding to make this project a success.	Tender clause remains unchanged
752	Volume 1 - section 3.6.1 -B6	33	<ul style="list-style-type: none"> · The bidder should have experience in executing Digital Signboards / Variable Messaging Displays projects · Each project of 10 Digital Signboards / Variable Messaging Displays is considered as one unit. · Points are allocated based on number of units executed 	As VMD/ Digital Signboards have not been extensively deployed in India so far, also this scope of element is not generally treated under the IT Landscape and this is not a major element of entire scope of work, request you to eliminate technical scoring against this clause.	Tender clause remains unchanged
753				Correspondence Address not mentioned	<p>The Correspondence address is:</p> <p>Managing Director Greater Visakhapatnam Smart City Corporation Limited(GVSCCL), Room No. 306, Tenneti Bhavan, Greater Visakhapatnam Municipal Corporation , Asilmetta, Visakhapatnam Pin code: 530003</p> <p>Electronic mail address: visakhapatnamsmartcity@gmail.com Contact Person Mr. Sudhakar V Mobile Number of Mr. Sudhakar V : +91- 7729995934</p>