

Aurangabad Smart City Development Corporation Limited
(ASCDCL)

Town Hall Aurangabad - 431001

No. ASCDCL/AMC/2018/43

Date: - 19/12/2018

The E-tendering Section
Aurangabad Municipal Corporation
Aurangabad -431001

Subject: Bid Due Date Extension , Corrigendum and Addendum

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

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

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



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

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

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

REF:-RFQ cum RFP DATED 24/10/2018

Addendum – 1

Date: 19 /12/2018

In accordance with the queries raised by the bidders, the following additions to the RFQ cum RFP issued dated 24th October, 2018 is being made in the form of Addendum – 1 as provided below:-

Sl. No.	Ref. Section No. to RFP Document	Additional Clause
1.	Volume I definition and acronyms	“Change in Law” means the occurrence of any of the following after the Base Date: (a) the enactment of any new Indian law; (b) the repeal, modification or re-enactment of any existing Indian law; (c) the commencement of any Indian law which has not entered into effect until the Base Date; (d) a change in the interpretation or application of any Indian law by a judgement of a court of record which has become final, conclusive and binding, as compared to such interpretation or application by a court of record prior to the Base Date; or (e) any change in the rates of any of the Taxes or royalties that have a direct effect on the Project;
2.	Volume I clause 5 (new clause)	5. Change in Laws 5.1 If as a result of Change in Law, MSI suffers any additional costs in the execution of the Works or in relation to the performance of its other obligations under this Agreement, the MSI shall, within 15 (fifteen) days from the date it becomes reasonably aware of such addition in cost, notify the ASCDCL with a copy to the ASCDCL’s Engineer of such additional cost due to Change in Law. 5.2 If as a result of Change in Law, the MSI benefits from any reduction in costs for the execution of this Agreement or in accordance with the provisions of this Agreement, either Party shall, within 15 (fifteen) days from the date it becomes reasonably aware of such reduction in cost, notify the other Party with a copy to the ASCDCL’s Engineer of such reduction in cost due to Change in Law. 5.3 The ASCDCL’s Engineer shall, within 15 (fifteen) days from the date of receipt of the notice from the MSI or the ASCDCL, determine any addition or reduction to the Contract Price, as the case may be, due to the Change in Law.

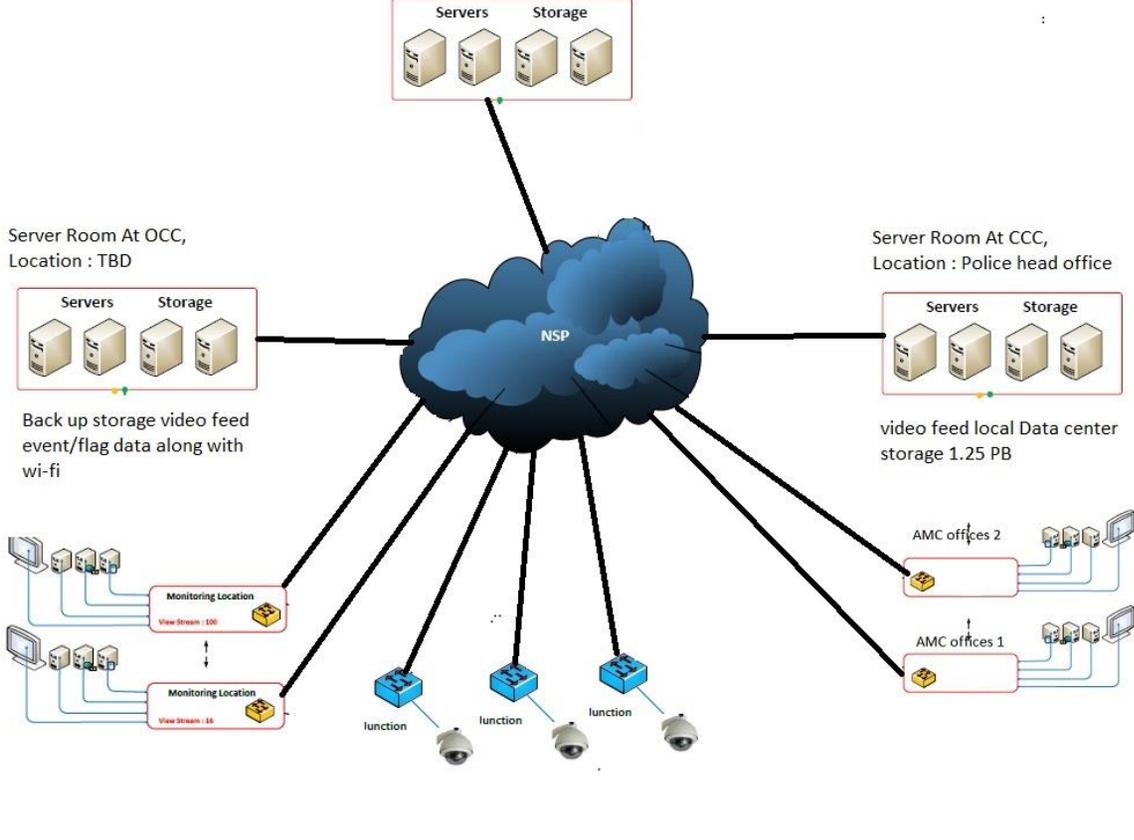
Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

3.	Volume II- Additional clause Annexure II – point 2.37 Edge Switch Specifications	Sl. Nos	Minimum requirement description	Compliance YES/No	Deviation /Remark
		1	The Industrial Grade Switch should provide 8 10/100/1000 Mbps ports for downlink and all the ports should be POE/POE+ and switch should additionally have 2 GE SFP uplinks for backhaul (uplink) connectivity with required PoE power to CCTV camera's, PTZ cameras , Wi-Fi AP's, and other PoE devices.		
		2	The copper ports shall support PoE / PoE+.		
		3	The industrial grade switches shall support a MAC table size of upto 8000 addresses.		
		4	The industrial grade switches shall at a minimum carry IP30 rating.		
		5	The industrial grade switches shall support – IPv4/v6, SNMP v1/v2/v3, LLDP, Server/Client, DHCP, TFTP, Telnet, IGMP v1/v2 as a minimum.		
		6	All switches installed on-field shall be capable of working in the harsh environmental conditions with immunity to EMI and heavy electrical surges. They shall support: EN-60950-1 or Equivalent; FCC Part 15 Class A All standards to be latest as per Manufacturer's certifications.		
		7	The switches shall be powered by 12/24/48VDC input as per the design requirements with integrated redundant power supply. The terminal blocks for the power supply options shall support reliable, maintenance-free connections. Any power conversions required shall be in the scope of the MSI.		
		8	The industrial grade switches shall support operating		

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	Ref. Section No. to RFP Document	Additional Clause			
			temperature range of 0°C to +60°C (without any fans) with ambient relative humidity of 5-95%, non-condensing.		
		9	The industrial grade switches shall support – <ul style="list-style-type: none"> • IEEE 802.3, 802.3ad, 802.3u, 802.3ab, 802.3z, 802.3x protocols. • IEEE 802.1D for STP, 802.1w for Rapid STP, 802.1s for Multiple Spanning Tree Protocols. • IEEE 802.1q for VLAN tagging, 802.1p for CoS, 802.1X for Authentication and 802.3ad for port trunk LACP. • Broadcast storm protection, RADIUS, SSL/SSH security. 		

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	Ref. Section No. to RFP Document	Additional Clause
4	Volume II- City Network	<p>Cloud DC/DR with ICCC in hub and spoke model to be provided by MSI as per DIT guidelines</p>  <p>Indicative Architecture</p>
		<p>MSI has to ensure that all the smart city applications shall be hosted on ICCC in Hub and Spoke model on cloud (DC & DR) as per the Cloud Computing Policy issued by DIT, GoM through their Government Circular and relevant amendments, if any. Cloud prices shall be reimbursed as per DIT policy.</p>

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sl. No.	Ref. Section No. to RFP Document	Additional Clause
5	BOQ- Volume I	Below revised BOQ is applicable to overall RFQ cum RFP.

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
AO. Network Connectivity							
	Last mile Fiber connectivity including of all material & civil work (Including ROW cost as necessary)	Kms	50				
A. Command Control Center							
A.1	Video Wall (along with hardware & software) Solution - 9x3 Display	Set	1				
A.2	Projector for Meeting Room	Nos	1				
A.3	Fire & Smoke Detectors	LS					
A.4	Laser Colour Printers	Nos	2				
A.5	3 Screen - Operators Client Workstations for Command Control Center	Nos	25				
A.6	L2 Switch - 48 port	Nos	As Required				
A.7	UPS Online with Battery(Minimum 60 kVA scalable)	Nos	1				
A.8	Air Condition (sufficient to control room temperature of 24 degree)	Nos	As Required				
A.9	CCTV camera	Nos	As Required				
A.10	Biometric access control system	Nos	Per Room				
A.11	Operating System License	Nos	As Required				
A.12	Networking & cabling	LS	As Required				

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
A.13	Gen Set	Nos	1				
A.14	Screen Recording Software and Hardware	Nos	25				
A.15	Implementation services (Installation & Commissioning)	LS					
B. Server room							
B.1	Smart Rack solution for data center with Accessories, with complete electrical connections, PAC precision Air-condition, fire retardant, access control	Set	1				
B.2	Core Router	Nos	As per design				
B.3	Internet Router	Nos	As per design				
B.4	Firewall and IPS/IDS	Nos	4				
B.5	Core Switch (L3)	Nos	2 or As per design				
B.6	L2 Switch -48 Port	Nos	As per design				
B.7	San Switch	Nos	As per design				
B.8	Storage - 1.25 PB Usable	Nos	1				
B.9	Backup software	Nos	1				
B.10	LTO (Back Up Drives)	Nos	1				
B.11	Blade chassis	Nos	3				
B.12	Blade Server	Nos	32				
B.13	Virtualization Software	Nos	As per design				
B.14	Cyber Security Components	Nos	As per design				
	Advance Persistent Threat (APT)						
	Security Incidence & Event Management System (SIEM)						
	Data Leakage Prevention (DLP)						

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
	Application Delivery Controller (ADC)						
	Endpoint Detection & Response (EDR)						
	Network Behavior Solution System (NBSS)						
	Application performance monitoring & Management (APMM)						
	Anti-virus Suite / Gateway/ Web security Solution						
	Any other Software as part of Cyber Security						
B.15	Server room Site Preparation	LS	As per design				
B.16	SLA, Helpdesk & EMS Solution	Nos	1				
B.17	Firewall (WAF)	Nos	2				
B.18	Furniture Items and chairs etc. as per approved design	LS	As per design				
B.19	Server License	LS	As per design				
B.20	DB License	LS	As per design				
B.21	Implementation services (Installation & Commissioning)	LS	LS				
C. Operation Command Center							
C.1	Smart Rack solution for server room with Accessories, with complete electrical connections, PAC precision Air condition, fire retardant, access control	set	1				
C.2	Video Wall (along with hardware & software) Solution - 6x3 Display	Set	1				
C.3	Projector for Meeting Room	Nos	1				

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
C.4	Fire & Smoke Detectors	LS					
C.5	Laser Colour Printers	Nos	2				
C.6	Internal and External Firewall and IPS/IDS	Nos	As Required				
C.7	3 Screen – Operators Client Workstations for Command Control Center	Nos	15				
C.8	L2 Switch - 48 port	Nos	As Required				
C.9	Screen Recording Software and Hardware	Nos	15				
C.10	San Switch	Nos	As per design				
C.11	Storage – DAS - 500 TB Usable	Nos	1				
C.12	Backup Software	Nos	1				
C.13	Blade chassis	Nos	2				
C.14	Blade Server	Nos	20				
C.15	Virtualization Software	Nos	As per design				
C.16	Cyber Security Components	Nos	As per design				
	a) Advance Persistent Threat (APT)						
	b) Security Incidence & Event Management System (SIEM)						
	c) Data Leakage Prevention (DLP)						
	d) Application Delivery Controller (ADC)						
	e) Endpoint Detection & Response (EDR)						
	f) Network Behavior Solution System (NBSS)						
	g) Application performance monitoring & Management (APMM)						

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
	h) Anti-virus Suite / Gateway/ Web security solution						
	i) Any other Software as part of Cyber Security						
C.17	Server room Site Preparation	LS					
C.18	SLA, Helpdesk & EMS Solution	Nos	1				
C.19	Firewall (WAF)	Nos	2				
C.20	Server License	LS					
C.21	DB License	LS					
C.22	UPS Online with Battery(Minimum 40 kVA scalable)	Nos	1				
C.23	Air Condition (sufficient to control room temperature of 24 degree)	Nos	As Required				
C.24	CCTV camera	Nos	As Required				
C.25	Biometric access control system	Nos	Per Room				
C.26	Operating System License	Nos	As Required				
C.27	Networking & cabling	Nos	As Required				
C.28	Gen Set	Nos	1				
C.29	Implementation services (Installation & Commissioning)	LS					
C.30	The detailed interior design and its installation in all aspects for the design-build (including but not limited to civil, interior, mechanical, structural, electrical, communications, fire, fit-outs, furniture, etc.) for the OCC	Sq. ft.	3000				

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
D. Utility Poles Passive and active components							
D.1	Utility Poles with accessories (along with earthing) for Environmental Sensors, CCTV camera, Wi-Fi, junction box and any other requirement	Nos	519				
D.2	Junction Box	Nos	519				
D.3	POE Industrial switch	Nos	519				
D.4	DC redundant power supply and UPS	Nos	519				
D.5	Implementation services (Installation & Commissioning)	LS					
E Smart Bus stop							
E.1	Passenger Information System (34" Industrial Grade LED TV)	Nos	57				
E.2	Smart BUS Stops (including Design, Construction & Implementation)	Nos	57				
E.3	42" Diagonal Digital Outdoor Display	Nos	57				
E.4	Smart Transport Application Server	Nos	1				
E.5	Vehicle Scheduling, Dispatch and Routing System	Nos	1				
E.6	Incident Management System	Nos	1				
E.7	Web Portal for bus schedule, bus route and ETA	Nos	1				
E.8	Mobile Application	Nos	1				
E.9	Integration with Smart City Dashboard	LS					
E.10	GPS SIM card	Nos	110				
E.11	Phase-1 Implementation	LS					

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
	Services (Installation & Commissioning)						
E.12	2 kW Solar Panels with all accessories for day & night operations (as per bidder design)	57					
F. ICT enabled Waste Management Software							
F.1	Vehicle Tracking System (VTS) GPS Device Integration	LS					
F.2	Hand held GPS for push carts / Tricycle Integration	LS					
F.3	RFID transmeter tag for Auto tippers	Nos	460				
F.4	RFID Receiver with all accessories at weigh bridge entry & exit point	Nos	8				
F.5	FIX Camera	Nos	4				
F.6	ICT enabled Waste Management Software	Nos	As per requirement				
F.7	Mobile Application	LS					
F.8	Vehicle Dispatch and Routing System	Nos	1				
F.9	Weigh bridge (Pit-less 40 MT)	LS	4				
F.10	Weigh Bridge Integration Application	LS					
F.11	Implementation services (Installation & Commissioning)	LS					
F.12	Automatic Boom Barrier	Nos	8				
F.13	Bin Sensor	Nos	1				
G. WI-FI							
G.1	Wireless Controller	Nos	1				
G.2	Access Points	Nos	700				
G.3	Application	Nos	1				

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
G.4	Authentication server	Nos	1				
H. Digital Outdoor Display and Kiosk							
H.1	Digital Outdoor Display	Nos	50				
H.2	Touch Kiosks	Nos	10				
H.3	Non-interactive Kiosks	Nos	50				
H.4	Content and Management Server for Digital Display	Nos	1				
H.5	Application	Nos	1				
H.6	Authentication server	Nos	1				
H.7	Gantry for Digital Outdoor Display	Nos	50				
H.8	Content and Management Server for Touch Kiosk and Non-interactive Kiosk	Nos	1				
H.9	Implementation services (Installation & Commissioning)	LS					
I. E-office							
I.1	Biometric Devices	Nos	30				
I.2	Hand held biometric devices	Nos	50				
I.3	Attendance Management System	Nos	1				
I.4	Implementation services (Installation & Commissioning)	LS					
J. End Points like FIX, PTZ Cameras and Environmental Sensors							
J.1	FIX BOX Camera	Nos	600				
J.2	PTZ camera	Nos	100				
J.3	Environmental Sensors with Software and License	Nos	2				
J.4	Implementation services (Installation & Commissioning)	LS					
K. Licenses							

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Sr. Nos	Description of Item	UoM	QTY	Modification Proposed	Make/Brand	Model Details	Compliance with RFP (Y/N)
K.1	Video Analytics Software & Licenses	Nos	700				
K.2	Video Management Software	Nos	1				
K.3	Video Management Software and Camera Licenses	Nos	900				
K.4	Implementation services (Installation & Commissioning)	LS					
L. Setup At Local Police Station							
L.1	Three monitor work station	Nos	17				
L.2	UPS (Minimum 2 KVA or better as per design)	Nos	17				
L.3	Furniture	Nos	17				
L.4	AC(sufficient to control room temperature of 24 degree)	Nos	17				
L.5	Implementation services (Installation & Commissioning)	LS					
M. Project Management & Infrastructure Set-up							
M.1	OCC Site Preparation covering Partitioning, Enclosures, Earthing, Power Cabling etc. (safety)	LS					
M.2	Cubicles with Table and Chair for operators (As required) - for operators	Nos.	15				
M.3	Detailed systems/site wise survey study of above Systems	As Required					
M.4	Any other Installation, Configuration and Customization for complete Project	As Required					
M.5	Capacity Building and Administrative Expenses	As Required					

Addendum – 1 to the RFP cum RFP for Appointment of Master System Integrator (MSI) for supply, implementation, integration, operation and maintenance of ICT Components for Aurangabad Smart City under ASCDCL

Below table is for only Rates and shall not be a part of Financial Evaluation, however, it is mandatory for bidder to provide the rates.

N. ICCC							
N.1	City Operations Platform – IoT Platform/Data Normalization software and City Operation Centre Software-for CCC	Set					
N.2	GIS Software with License-CCC	Set					
N.3	City Operations Platform – IoT Platform/Data Normalization software & City Operation Centre Software-for OCC	Set					
N.4	Integration of various sensors, applications/systems-OCC	Set					
N.5	GIS Software with License-OCC	Set					