

### **Additional Information**

Note: As per NIC guidelines, it is not possible to update the price bid in e-tender portal as per the corrigendum. Prospective bidders are however requested to add any extra hardware / software/Manpower as part of the solution but unavailable as line item in e-tender portal under

- A. Other - Other - Hardware - Any other Hardware not mentioned above
- B. Other - Other - Software - Any other software not mentioned above
- C. Other - Other - Manpower - Any other software not mentioned above

The details under the above sections shall be provided by the prospective bidder as part of the bid submission.

The indicative list for the information of bidders is as follows:

Sl. No	Item Description	Quantity Indicated	Quantity Proposed	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	All Taxes Duties, ect (Applicable)	TOTAL AMOUNT Including All Taxes, duties , etc	TOTAL AMOUNT Including All Taxes, duties , etc In Words
<b>PRICE COMPONENT FOR CAPEX (A)</b>									
<b>Command Control Centre</b>									
A. 1	Rack Server (Bidder need to consider for VMS, EMS and Backup)	4		Lot	INR			0.00	
A. 2	42 U Server Rack with necessary accessories	2		Per Unit	INR			0.00	
A. 3	KVM Switch with LED monitor	1		Per Unit	INR			0.00	
A. 4	Work Stations with 3 LED monitors	12		Per Unit	INR			0.00	

A. 5	Core Router with Redundant power supply	1		Per Unit	INR			0.00	
A. 6	Core Switch with Redundant power supply	2		Per Unit	INR			0.00	
A. 7	Distribution Switches	5		Per Unit	INR			0.00	
A. 8	SAN Switch with Redundant power supply	2		Per Unit	INR			0.00	
A. 9	AAA Server with minimum 1000 devices licences	1		Per Unit	INR			0.00	
A. 10	20KVA Modular UPS with redundancy with single battery bank for 1 HR backup	3		Per Unit	INR			0.00	
A. 11	160KVA Generator	1		Per Unit	INR			0.00	
A. 12	Storage box (Bidder need to consider for both DC & backup)	2		Per Unit	INR			0.00	
A. 13	Standard PTZ controller with 3-axis joysticks & Keyboard for control of pan, tilt, zoom and auxiliary camera functions.	2		Per Unit	INR			0.00	
A. 14	DLP based Video Wall 60 inch (3x3 Pattern)	1		Per Unit	INR			0.00	

A. 15	Video Wall Controller (With Required numbers of Adaptors, Converters, Cabling & Other Fixtures, etc)	1		Per Unit	INR			0.00	
A. 16	Video Wall Management Software	1		Per Unit	INR			0.00	
A. 17	Virtualization Software License (Bidder need to consider for both DC & Backup)	1		Per Unit	INR			0.00	
A. 19	Server OS Licenses for all servers based on proposed all applications	4		Per Unit	INR			0.00	
A. 20	Supply, Installation, Testing and Commissioning of e- challan facility with all the necessary accessories to complete the work	1		Per Unit	INR			0.00	
A. 21	Supply, Installation, Testing and Commissioning of Red Light Violation Detection (RLVD) with ANPR and Preloaded (Embedded) Software in Local	1		Per Unit	INR			0.00	

	Processing Unit with licenses for designed number of cameras as required								
A. 22	Supply, Installation, Testing and Commissioning of Speed Violation detection system with ANPR and Preloaded (Embedded) Software in Local Processing Unit and licenses as required	1		Per Unit	INR			0.00	
A. 23	End Point Security Solution (Antivirus)	12		Per Unit	INR			0.00	
A. 24	Video Management System (VMS) as per the specifications functionalities enclosed in detailed spec (DC )	1		Per Unit	INR			0.00	
A. 25	Video Management System (VMS) as per the specifications functionalities enclosed in detailed spec ( Backup)	1		Per Unit	INR			0.00	

A. 26	Enterprise Management Solution	1		Per Unit	INR			0.00	
A. 27	Mobile Application and web portal Dash Board	1		Per Unit					
A. 28	Network cabling, Fibre Termination, Access Control and Surveillance of Control Room, Server Room, etc with min 8-15 indoor/outdoor Cameras using proper aesthetics and required accessories	1		Lot	INR			0.00	
A. 29	NGFW Firewalls (for internal & external both in HA Mode)	2		LOT	INR			0.00	
A. 30	Any other Hardware or Software and required to meet the RFP requirements	1		Lot	INR			0.00	
General Surveillance System (									
A. 31	Varifocal Bullet camera/Dome Camera	694		Per Unit	INR			0.00	
A. 32	Micro SD card 128 Gb	694		Per Unit	INR			0.00	
A. 33	Camera with required no. of software Licenses	694		Per Unit	INR			0.00	
A. 34	Network Video Record	57		Per Unit	INR			0.00	

A. 35	HDD For NVR (6TB)	57		Per Unit	INR			0.00	
A. 36	PTZ Camera	42		Per unit	INR			0.00	
A. 37	Field UPS With Battery Back Up	175		Per Unit	INR				
A. 38	Civil and electrical works at Junctions (Ethernet cable-cat 6 Double Jacket)- RVVSP2*1Shielding wire, Power Cable- RVV3*1,Light control line- RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	1		Lot	INR			0.00	
A. 39	Any other Hardware or Software and required to meet the RFP requirements							0.00	
ITMS (RLVD, SVD, ANPR,IPDS)									
Red Light Violation System (RLVD)- (10 junction, 4 directions, 2 lanes per direction )									
A. 39	ANPR camera for RLVD (cover 2 lane)	40		Per Unit	INR			0.00	
A.	Evidence	40		Per	INR			0.00	



40	camera			Unit					
A. 41	Strobe light/Equivalent for RLVD&ANPR	40		Per Unit	INR			0.00	
A. 42	Local Processing Unit	10		Per Unit	INR			0.00	
A. 43	Traffic signal detector	10		Per Unit	INR			0.00	
A. 44	RLVD software with required no. of Licenses	40		Per unit	INR			0.00	
A. 65	Field UPS With Battery Back Up	As Per Requirement		Per Unit	INR			0.00	
A. 46	Civil and electrical works at Junctions (Ethernet cable-cat 6 Double Jacket)-RVVSP2*1Shielding wire, Power Cable-RVV3*1,Light control line-RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	1		Lot	INR			0.00	
A. 47	Any other Hardware or Software and required to meet the RFP	1		Lot				0.00	

	requirements								
Speed Violation Detection System									
A. 48	Capture Unit for SVDS (Covers 2 lanes)	4		Per unit	INR			0.00	
A. 49	Supplement light for SVDS	4		Per Unit	INR			0.00	
A. 50	Radar (If applicable)	4		Per unit	INR			0.00	
A. 51	Local Processing units	As Per Requirement		Per Unit	INR			0.00	
A. 52	SVDS software with required no. of Licenses	1		Per unit	INR			0.00	
A. 65	Field UPS With Battery Back Up	As Per Requirement		Per Unit	INR				
A. 54	Civil and electrical works at Junctions (Ethernet cable-cat 6 Double Jacket)- RVVSP2*1Shielding wire, Power Cable- RVV3*1,Light control line- RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	1		Lot	INR			0.00	



A. 55	Any other Hardware or Software and required to meet the RFP requirements							0.00	
Automatic Number Plate Detection System (ANPR)									
A. 56	ANPR camera (One Lane)	164		Per Unit	INR			0.00	
A. 57	Strobe light/Equivalent	164		Per Unit	INR			0.00	
A. 58	Local Processing Unit	AS Per Requirement		Per Unit	INR			0.00	
A. 59	ANPR software with required no. of Licenses	164		Per Unit	INR			0.00	
A. 65	Field UPS With Battery Back Up	AS Per Requirement		Per Unit	INR				
A. 61	Civil and electrical works at Junctions (Ethernet cable-cat 6 Double Jacket)- RVVSP2*1Shielding wire, Power Cable- RVV3*1,Light control line- RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	1		LOT	INR			0.00	

A. 62	Any other Hardware or Software and required to meet the RFP requirements							0.00	
Illegal Parking Detection System (IPDS)									
A. 63	Camera	8			INR			0.00	
A. 64	Software	8		Per Unit	INR			0.00	
A. 65	Field UPS With Battery Back Up	As Per Requirement		Per Unit	INR				
A. 66	Civil and electrical works at Junctions (Ethernet cable-cat 6 Double Jacket)-RVVSP2*1Shielding wire, Power Cable-RVV3*1,Light control line-RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	1		Lot	INR			0.00	
A. 67	Any other Hardware or Software and required to meet the RFP requirements	1		Lot				0.00	
OFC Network									

A. 68	72 Core / Fiber UG Cable	75		KM	INR			0.00	
A. 69	144 Core / Fiber UG Cable Joint Boxes	AS Per Requirement		Per Unit	INR			0.00	
A. 70	Fiber Termination Boxes (144 Port)	AS Per Requirement		Per Unit	INR			0.00	
A. 71	Media converter	AS Per Requirement		Per Unit	INR			0.00	
A. 72	CAT 6 Cable Double Jacket	AS Per Requirement		LOT	INR			0.00	
A. 73	Installation, Civil and electrical works at Junctions (Ethernet cable-Cat 6, UTP Double Jacket (unshielded twisted pair)-RVVSP2*1Shielding wire, Power Cable-RVV3*1,Light control line-RVVSP2*1 ; Shielding wire, Camera Hoops, 24VDC Power supply for Evidence Camera ,230VAC power socket for LPU, Pole box, Junction box	AS Per Requirement		LOT	INR			0.00	
A. 74	6 core Fiber	AS Per Requirement		LOT	INR			0.00	
A. 75	Field Termination	AS Per Requirement		LOT	INR			0.00	

	Plugs for outdoor equipment	ment							
A. 75	Industrial Grade Switch/Edge Level Switch	257		Unit	INR			0.00	
A. 76	Any other Hardware or Software and required to meet the RFP requirements							0.00	
Manpower and Other charges									
A. 79	Total Manpower and other charges for Implimentatio n Of project	1		Lot	INR			0.00	
Total in Figures CAPEX(A)								0.00	
Total in Words CAPEX									
PRICE COMPONENT FOR OPEX (B)									
B.1	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For first year	1.000		Lot	INR			0.00	
B.2	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For first year	1.000		Lot	INR			0.00	

B.3	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For Second year	1.000		Lot	INR			0.00	
B.4	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For Third year	1.000		Lot	INR			0.00	
B.5	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For Fourth year	1.000		Lot	INR			0.00	
B.6	Manpower - Technical - 4 + 1 Project Manager Operational Manpower - 10 - Man Year Rate - For Fifth year	1.000		Lot	INR			0.00	
B.7	Bandwidth charges - per year rate - For first year	1.000		Yearly	INR			0.00	
B.8	Bandwidth charges - per year rate - For Second year	1.000		Yearly	INR			0.00	
B.9	Bandwidth charges - per year rate - For	1.000		Yearly	INR			0.00	

	Third year								
B.1 0	Bandwidth charges - per year rate - For Fourth year	1.000		Yearly	INR			0.00	
B.1 1	Bandwidth charges - per year rate - For Fifth year	1.000		Yearly	INR			0.00	
B.1 2	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For first year	1.000		Lot	INR			0.00	
B.1 3	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For second year	1.000		Lot	INR			0.00	



B.1 4	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For Third year	1.000		Lot	INR			0.00	
B.1 5	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For fourth year	1.000		Lot	INR			0.00	
B.1 6	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For fifth year	1.000		Lot	INR			0.00	

B.1 7	ICT Components of - ITMS and Surveillance inclusive of DC hardware required for comprehensive and preventive maintenance required for successful operations of the project - For Sixth year	1.000		Lot	INR			0.00	
B.1 8	Non ICT Components of - ITMS and Surveillance comprehensive and preventive maintenance required for successful operations of the project - For First Year	1.000		Lot	INR			0.00	
B.1 9	Non ICT Components of - ITMS and Surveillance comprehensive and preventive maintenance required for successful operations of the project - For Second Year	1.000		Lot	INR			0.00	

B.2 0	Non ICT Components of - ITMS and Surveillance comprehensive and preventive maintenance required for successful operations of the project - For Third Year	1.000		Lot	INR			0.00	
B.2 1	Non ICT Components of - ITMS and Surveillance comprehensive and preventive maintenance required for successful operations of the project - For Fourth Year	1.000		Lot	INR			0.00	
B.2 2	Non ICT Components of - ITMS and Surveillance comprehensive and preventive maintenance required for successful operations of the project - For Fifth Year	1.000		Lot	INR			0.00	
B.2 3	Other O & M cost not mentioned above								
Total in Figures OPEX(B)								0.00	
Total in Words OPEX									

Reference (RFP Section, Clause and Page Number)	Provision in the RFP	Corrigendum V	Corrigendum VI	Clarification
Notice Inviting Tender [ Bid Fee(Non-refundable )	Rs. 20000 by Demand Draft or Banker's Cheque			Rs. 20,000 by Demand Draft or Banker's Cheque in favor of <b>"DAMAN &amp; DIU E-GOVERNANCE SOCIETY"</b> .
Notice Inviting Tender [ EMD ]	Rs. 60,00,000 (Rupees Sixty lakhs only) whereby amount shall be in the form of Demand Draft / Bank Guarantee (BG) / FDR in favor of "Member Secretary, DDeGS", from a list of approved banks as per the format given in this Bid Document, with validity of 180 days from the date of Bid opening			EMD Rs. 60,00,000 (Rupees Sixty lakhs only) whereby amount shall be in the form of Demand Draft / Bank Guarantee (BG) / FDR in favor of <b>"DAMAN &amp; DIU E-GOVERNANCE SOCIETY"</b> , from a list of approved banks as per the format given in this Bid Document, with validity of 180 days from the date of Bid opening. Bank Account Details are as Follows: Bank Name : Axis Bank Branch : Daman Account No : 380010100085834 IFSC Code : UTIB0000380 PAN : AABAD6688D

2.15 Bid Security	<p><b>Bid Security</b></p> <p>2.15.1 Proposals shall be accompanied by a Bid Security for an amount equal to Rs. 50,00,000 (Fifty Lakh Rupees Only).</p>		<p>Proposals shall be accompanied by a Bid Security for an amount equal to Rs. 60,00,000 (Sixty Lakh only)</p>	<p><b>EMD</b></p> <p>2.15.1 Proposals shall be accompanied by an <b>EMD</b> for an amount equal to Rs. 60,00,000 (Fifty Lakh Rupees Only).</p>
	<p>The Bid Security shall remain valid for a period of 90 days beyond the Proposal Validity Period, and would need to be extended, if so, required by The UT Administration, for any extension in Proposal Validity Period.</p>			<p>The <b>EMD</b> shall remain valid for a period of <b>180 days</b> beyond the Proposal Validity Period, and would need to be extended, if so, required by The UT Administration, for any extension in Proposal Validity Period.</p>
	<p>The Bid Security shall be in the form of an irrevocable Bank Guarantee issued by a Nationalized Bank or a Scheduled Bank authorized to handle transactions of Government of India in India, in favour of "Member Secretary, DDeGS" valid at Daman, as per the format set out in Appendix 11: Format of Bid Security, drawn in favour of "Member Secretary, DDeGS" and payable at Daman.</p>			<p>The Bid Security shall be in the form of an irrevocable Bank Guarantee issued by a Nationalized Bank or a Scheduled Bank authorized to handle transactions of Government of India in India, in favour of <b>"DAMAN &amp; DIU E-GOVERNANCE SOCIETY"</b> valid at Daman, as per the <b>Nationalized Bank Format /</b> format set out in Appendix 11: Format of Bid</p>

				Security, drawn in favour of "DAMAN & DIU E-GOVERNANCE SOCIETY" and payable at Daman.
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#### OFC :

- 1.All ethernet components which are to be connected with copper cable need to be connected with Toolless Field Termination Plug and this Field termination plug should be upgradable to IP54 rating and must be UL Listed and ETL verified /Type test approved from DNV/GL. The plug should have option for colour coding for different services.
- 2.All outside plant copper patch cords should be double jacketed and must be treated with anti-rodent chemical.
- 3.All fiber patch cords should be armoured and of industrial type.
- 4.Cat 6 Cable should be double jacket with outer jacket HDPE and inner Jacket LSZH and should be mixed with anti-rodent chemical.
- 5.Service racks to be installed with DIN rail mountable LIU
- 6.All fiber connectors should be LC type only and have valid type test approval from labs such as DNV/3P or equivalent .
- 7.Joint enclosure should be supplied with desired no of Fiber splice trays .
- 8.All passive cable and components should be of same OEM and should provide 25 years performance warranty
- 9) Consider Main Ring Fiber 72 core SM OS2 with 6 cores in each tube with below general specifications. Fiber cable to be Double jacket HDPE with Dry Loose Tube (PBT).There should be two rip cords under inner jacket .Core wrapping and eater locking to be achieved with Water blocking Tape & water blocking Yarn.
- 10) The following may be considered: Sub ring fiber 6 core unitube with dry gel , Jacket HDPE ,EECCS tape armored ,Tensile Strength 1000N/better and crush Resistance 2000N/better .Strength member 2FRP/Steel Rods.



### **AAA Server Specification:**

Sr. No.	Description	Specification
1	<b>Appliance Manager</b>	<ul style="list-style-type: none"><li>• Manager is available as hardware or a virtual appliance that supports Minimum 1000 authenticating devices.</li><li>• Virtual appliances are supported on VMware and Microsoft Hyper-V.</li></ul>
2	<b>Platform</b>	<ul style="list-style-type: none"><li>• Built-in AAA services – RADIUS, TACACS+ and Kerberos</li><li>• Web, 802.1X, non-802.1X, RADIUS authentication and authorization</li><li>• External captive portal redirect to multivendor equipment</li><li>• Interactive policy simulation and monitor mode utilities</li><li>• Multiple device registration portals – Guest, BYOD, un-managed devices</li><li>• Deployment templates for any network type, identity store and endpoint.</li><li>• Advanced reporting, analytics and troubleshooting tools.</li></ul>
3	<b>Framework and protocol support</b>	<ul style="list-style-type: none"><li>• RADIUS, RADIUS CoA, TACACS+, web authentication, SAML v2.0</li><li>• EAP-FAST (EAP-MSCHAPv2, EAP-GTC, EAP-TLS)</li><li>• TTLS (EAP-TLS, EAP-MD5, PAP, CHAP)</li><li>• EAP-TLS</li><li>• PAP, CHAP, MSCHAPv1 and 2, EAP-MD5</li><li>• Windows machine authentication</li><li>• MAC auth</li><li>• Audit (rules based on port and vulnerability scans)</li><li>• Online Certificate Status Protocol (OCSP)</li><li>• SNMP generic MIB, SNMP private MIB</li><li>• TLS 1.2</li></ul>
4	<b>Supported identity stores</b>	<ul style="list-style-type: none"><li>• Microsoft Active Directory</li><li>• RADIUS</li><li>• Any LDAP compliant directory</li><li>• Any ODBC-compliant SQL server</li><li>• Kerberos</li></ul>