



**Request for Proposal**

**Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Issued by

**Gandhinagar Municipal Corporation**

Tender No: 161/2025-26

Year: 2025-26

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

Phone No. 079 232 84150, Fax: 232 21419

Email : [ictoff-gmc-gnr@gujarat.gov.in](mailto:ictoff-gmc-gnr@gujarat.gov.in)

## Contents

1. Disclaimer .....	7
2. E-Tender Notice.....	8
3. Data Sheet` .....	9
4. Introduction.....	11
4.1 Project Objectives .....	11
4.2 Alignment with Gandhinagar's City Vision .....	11
5. Instruction to Bidders.....	11
5.1 Vendor / Bidder Registration on the e-Procurement System: .....	12
5.2 Digital Certificates .....	12
5.3 Payments of Tender Fee and EMD .....	13
5.4 Publishing of Notice Inviting Tender (N.I.T) .....	13
5.5 Downloading the tender document(s) .....	14
5.6 Submit online bids.....	14
5.7 Cost of Bidding .....	14
5.8 Completeness of the RFP .....	14
5.9 Applicable Law .....	15
5.10 Clarifications related to Bidding Document.....	15
5.11 Amendment of RFP Document .....	16
5.12 Conflict of Interest.....	16
5.13 The Clients' Rights to Terminate the Process.....	16
5.14 Submission of Earnest Money Deposit and Tender Fee/Bid Fee.....	17
5.15 Sub-Contracting.....	17
5.16 Fraud and Corrupt Practices .....	18
5.17 Right to vary quantity .....	19
5.18 General.....	19
5.19 Preparation and submission of Proposal.....	20
5.20 Language of Bids.....	20
5.21 Proposal currency .....	20
5.22 Bid Validity period .....	20
5.23 Bid Submission Format and signing of proposal.....	20
5.24 Proposal submission format, sealing and marking of proposals .....	21
5.25 Late Proposals.....	22
5.26 Taxes.....	22
5.27 Modification and withdrawal of proposal .....	23
5.28 Non-Conforming bids.....	23
5.29 Other Important Notes for bidders: .....	23

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

5.30	Site Visit .....	24
5.31	Disqualification .....	24
5.32	Opening of Bids.....	25
5.33	Preliminary Examination of Bids .....	25
5.34	Bids Found with suppression of details / Clarification of Bids.....	25
5.35	Restriction of purchase from border countries as per GOI guideline.....	26
6.	Evaluation Process .....	27
6.1	Pre-qualification Criteria.....	28
6.2	Technical Evaluation Criteria.....	30
6.3	Key Personnel Criteria (CVs to be made a part of Technical Proposal).....	32
6.4	Financial Bid Evaluation.....	36
6.5	Bid Evaluation Methodology .....	36
6.5.1	Normalization of Technical Scores.....	37
6.5.2	Normalization of Financial Scores.....	37
6.5.3	Combined Score Calculation .....	37
6.5.4	Selection of H1 Bidder.....	37
7.	Award of Contract.....	37
7.1	Notification of Award .....	38
7.2	Signing of Contract .....	38
7.3	Performance Bank Guarantee.....	38
7.3.1	.....	38
7.3.2	.....	39
7.3.3	.....	39
7.3.4	.....	39
8.	Scope of Work .....	40
8.1	Components and Services overview .....	40
8.2	Indicative list of locations .....	40
8.3	Design, Supply, Installation, and Commissioning of Field Infrastructure.....	40
8.4	Provisioning of Hardware and Software Infrastructure at Centralized Location.....	40
8.5	Comprehensive Operations and Maintenance:.....	41
8.6	Warranty and Comprehensive Annual Maintenance: .....	41
8.7	Firmware & Software Upgrades .....	41
8.8	Capacity Building and Training .....	41
8.9	Operation and Maintenance .....	42
8.10	Preparation and implementation of the Information Security Policy, including policies on backup.....	42
8.11	Responsibility Matrix .....	42

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

8.12	Use Cases.....	45
8.13	Work Completion Timelines and Project Deliverables.....	45
9.	Detailed Scope of Work.....	47
9.1	Requirement Phase.....	48
9.2	Design & Solution Finalization Phase .....	48
9.3	Deployment & Integration Phase .....	48
9.4	Testing & Acceptance, Training .....	49
9.5	Operations & Maintenance (O&M) Phase.....	49
9.6	Documentation & Handover .....	50
10.	Detailed O&M Scope.....	50
10.1	Operations and Maintenance .....	50
10.1.1	Exit Management.....	50
10.1.2	Cooperation and Provision of Information .....	51
10.1.3	Confidential Information, Security and Data.....	51
10.1.4	Transfer of Certain Agreements.....	51
10.1.5	Compliance to Standards & Certifications .....	52
10.1.6	Implementation, Operations and Services & Maintenance of New Junctions and End Points .....	53
10.1.7	License Metering / Management .....	53
10.2	Service level Agreement.....	54
10.2.1	SLAs during CAPEX Phase.....	54
10.2.2	Penalty during CAPEX Phase.....	54
10.2.3	SLAs during O&M Phase .....	54
11.	Requirement Specifications .....	58
11.1	Adaptive Traffic Controlling System .....	58
11.1.1	Traffic Signal Controller.....	58
11.1.2	Police Panel.....	59
11.1.3	Mode of Operations .....	59
11.1.4	Traffic Signal Controller Operating Parameters.....	61
11.1.5	Input and Output facilities .....	63
11.2	Camera based Vehicle Detector .....	64
11.3	Countdown Timer.....	64
11.4	Communication Network .....	64
11.5	ATCS Software Application.....	65
11.5.1	Reports .....	68
11.5.2	Graphical User Interface.....	69
11.5.3	ATCS Software Application.....	70

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

11.6	1 KVA UPS .....	71
11.7	Traffic enforcement system .....	72
11.7.1	RLVD Evidence Camera .....	72
11.7.2	ANPR Camera .....	74
11.7.3	8 port Switch.....	76
11.7.4	Video Management System (Unified AI supported VMS).....	77
11.7.5	Red Light Violation Detection System.....	83
11.7.6	Automatic Number Plate Recognition System .....	85
11.8	Server Specification.....	89
11.9	Storage Specification.....	89
11.10	GI Cantilever Pole for ATCS and TES .....	90
11.11	Standard Pole for ATCS and TES and Poles for Stop Man – Walk Man .....	91
11.12	IR illuminator .....	91
11.13	Network Video Recorder.....	92
11.14	Field Junction Box.....	93
12.	Project Implementation Methodology .....	94
12.1	Change Management & Control.....	95
12.1.1	Change Orders / Alterations / Variations .....	95
12.1.2	Change Order.....	95
12.2	Cyber Security Requirements.....	96
	Annexure-1 Format for Power of Attorney .....	97
	Annexure-2 Format for Cover Letter.....	99
	Annexure 3 Format for Affidavit.....	101
	Annexure-4 Format for Earnest Money Deposit (Bank Guarantee).....	103
	Annexure-5 Format for Performance Bank Guarantee.....	104
	Annexure-6 Non- Termination Certificate.....	106
	Annexure- 7 No Deviation Certificate .....	107
	Annexure- 8 Total Responsibility Certificate .....	108
	Annexure- 9 Bidder Details .....	109
	Annexure- 10 Financial Turnover and Net worth.....	110
	Annexure- 11 Non-Black Listing.....	111
	Annexure- 12 Non-Violation of IPR.....	112
	Annexure 13 History of Litigations .....	113
	Annexure 14 – Bidder’s experience Citation Format .....	114
	Annexure 15 – Format for Commercial Bids .....	115
	Annexure 16 – Draft Contract.....	120
	30.1.....	143

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

30.2.....	143
30.3.....	144
30.4.....	144
Annexure 17 – Non Disclosure Agreement.....	155
Annexure 18 Office Undertaking.....	160
Annexure 19 Format of Compliance letter .....	161
Annexure 20 Undertaking of No Conflict of Interest.....	162
Annexure 21 – Curriculum Vitae of team members.....	163
Annexure 22 - Manufacturers'/Producers' Authorization Form.....	165
Annexure 23 - Anti-Collusion Certificate.....	166
Annexure 24 - Format of Certificate by Bidder sharing land border.....	167
Annexure 25 - Make and Model Form .....	168
Annexure 26 – Indicative list of locations .....	169
Common guidelines regarding compliance of systems/equipment .....	170

## 1. Disclaimer

The information contained in this Request for Proposal ("RFP"), whether provided verbally or in written form to the bidders ("Bidder/s") by Gandhinagar Municipal Corporation (referred to as "GMC" in this document) or any of its employees or advisors, is shared under the terms and conditions outlined in this Tender document, as well as any other applicable terms.

This RFP does not constitute an agreement, offer, or invitation to any party. Its primary purpose is to provide the Bidders, or any interested party, with relevant information to assist in formulating their financial offers ("Bid"). This RFP may include various assumptions and assessments formulated by GMC with respect to the scope of work. However, the Tender document may not encompass all the information required by each Bidder, and may not be suitable for all parties. GMC, along with its employees or advisors, does not account for the individual objectives, technical knowledge, or specific needs of each Bidder. The assumptions, statements, and information provided in this RFP may not be entirely complete, accurate, or adequate. Therefore, each Bidder is expected to independently analyze the information and seek professional advice from relevant experts.

The information provided in this Tender document covers a wide range of topics, some of which may involve legal interpretation. It is not intended to be an exhaustive explanation of statutory requirements and should not be treated as a definitive legal statement. GMC does not assume responsibility for any legal interpretations provided herein.

GMC, its employees, and advisors make no warranties or representations, and shall not be held liable to any person, including the Bidder, under any legal principles, statutes, rules, regulations, or any other form of legal obligation for any loss, cost, or damage incurred due to the information contained in this RFP. This includes any inaccuracies, inconsistencies, or incomplete information in the RFP or arising from the Selection Process.

Furthermore, GMC disclaims any liability, whether arising from negligence or otherwise, in connection with any reliance by the Bidder on statements made in this RFP. GMC reserves the right to amend or supplement the information in this document at its sole discretion, without any obligation to do so.

The issuance of this Tender document does not imply that GMC is obligated to select a Bidder or appoint the Selected Bidder (as defined herein) for the project's implementation. GMC reserves the right to reject any or all Bidders or Bids without providing any justification.

All costs and expenses associated with the preparation and submission of the Bid, including but not limited to preparation, copying, postage, delivery, demonstrations, or presentations, shall be borne solely by the Bidder. GMC shall not be liable for any such expenses, regardless of the outcome or conduct of the Selection process.

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

2. E-Tender Notice

 <p>ઈ - ટેન્ડરીંગ જાહેર નિવેદા વર્ષ ૨૦૨૫-૨૬</p>  <p>ગાંધીનગર મહાનગરપાલિકા પંડિત દીનદયાલ ભવન, ફાયર સ્ટેશન બિલ્ડિંગની પાછળ, સેક્ટર- ૧૭, ગાંધીનગર ફોન નંબર ૦૭૯ ૨૩૨ ૮૪૧૫૦, ફેક્સ: ૨૩૨ ૨૧૪૧૯,ઈમેલ: <a href="mailto:ictoff-gmc-gnr@gujarat.gov.in">ictoff-gmc-gnr@gujarat.gov.in</a> ગાંધીનગર મહાનગરપાલિકા દ્વારા નીચે દર્શાવેલ ટેન્ડર મુજબના કરવાના કામે પ્રતિષ્ઠિત એજન્સીઓ પાસેથી ઠરાવેલ ઈ - ટેન્ડરોમાં ભાવો મંગાવવામાં આવે છે.</p>			
ટે . ન .	કામનું નામ	ટેન્ડર ફી.	ઈ.એમ.ડી
૧૬૧/૨૦૨૫-૨૬	E-TENDER FOR Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city	રૂ.17,700/-	રૂ.13,86,000/-
<p>ટેન્ડર ફોર્મ તા તા. ૧૧/૦૨/૨૦૨૬ સમય ૧૦:૩૦ કલાક થી તા ૦૩/૦૩/૨૦૨૬ સમય ૧૮:૦૦ કલાક સુધી ઓનલાઈન વેબ સાઈટ (<a href="https://tender.nprocure.com">https://tender.nprocure.com</a>) પરથી ડાઉનલોડ કરી ઓનલાઈન ભરી શકાશે. પ્રી-બિડ સંબંધિત પ્રશ્નો તા. ૧૮/૦૨/૨૦૨૬, સમય: ૧૮:૦૦ કલાક સુધીમાં સબમિટ કરવાના રહેશે. પ્રી બીડ મિટિંગ તા. ૧૮/૦૨/૨૦૨૬, સમય: ૧૨:૦૦ કલાકે ગાંધીનગર મહાનગરપાલિકા મુખ્ય કચેરી, મીટીંગ હોલ, ત્રીજો માળ, સેક્ટર-૧૭, ગાંધીનગર ખાતે રહેશે.</p> <p>ટેન્ડર બીડના જરૂરી આધાર માટેના બધાં ડોક્યુમેન્ટ ઓનલાઈન ઇલેક્ટ્રોનિક ફોરમેટમાં સ્કેન કરી <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> પર તા. ૦૩/૦૩/૨૦૨૬ સમય સાંજે ૧૮:૦૦ કલાક સુધીમાં સબમિટ કરવાના રહેશે. ટેકનિકલ બીડ, ટેન્ડર ફી તથા ઈ.એમ.ડી Gandhinagar Municipal Corporation ના નામે તા. ૧૧/૦૩/૨૦૨૬ સમય સાંજે ૧૮:૦૦ કલાક સુધીમાં કચેરીએ રજિસ્ટર્ડ પોસ્ટ / સ્પીડ પોસ્ટ / ડિજિટલ હેન્ડ ડિલિવરી થી મોકલવાના રહેશે તે પ્રમાણે જે ઓફરો મળેલ હશે તે જ ખોલવામાં આવશે.</p>			
સ્થળ :- ગાંધીનગર	<p>સહી મ્યુનિસિપલ કમિશનર ગાંધીનગર મહાનગરપાલિકા</p>		

### 3. Data Sheet`

<b>Name of the Organization</b>	Gandhinagar Municipal Corporation
<b>Tender Document No</b>	161/2025-26
<b>Name of Work</b>	Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) at 3 junctions in Gandhinagar city
<b>EMD and Tender Fee in the Name of:</b>	Gandhinagar Municipal Corporation
<b>Tender Fee in the form of</b>	Demand Draft or Banker's Cheque
<b>EMD in the form of</b>	<p>Demand Draft/ Banker's Cheque / Bank Guarantee of any Nationalized/Scheduled. Must be valid for at least 45 days beyond the original validity period for the bid.</p> <p>No exemption for submitting the EMD will be given to any agency. Bid security in any other form will not be entertained.</p> <p>Without the EMD the bids will be taken as incomplete and non-responsive and shall not be considered.</p>
<b>Tender Fee (non refundable) amount</b>	Rs. 17,700/- (including 18% GST) in the form of demand draft / banker's cheque in name of Gandhinagar Municipal Corporation. Payable at Gandhinagar
<b>Earnest Money Deposit amount</b>	Rs. 13,86,000 in the form of demand draft / banker's cheque / Bank Guarantee in name of Gandhinagar Municipal Corporation. Payable at Gandhinagar
<b>Start Date for Downloading Tender document</b>	11/02/2026
<b>Last date and time of receiving pre-bid queries by GMC on email ictoff-gmc-gnr@gujarat.gov.in</b>	18/02/2026
<b>Date, Time and Venue of Pre Bid Meeting</b>	18/02/2026 GANDHINAGAR MUNICIPAL CORPORATION
<b>Last Date of submission of Technical bid &amp; Commercial bid (Online) on nprocure</b>	03/03/2026
<b>Date for submission of EMD, Tender Fee &amp; Other Documents during office hours by RPAD / SPEED POST ONLY (COURIER NOT ALLOWED) / Hand Delivery</b>	11/03/2026

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

<b>Online Opening of Technical Bid If Possible</b>	Will be intimated later
<b>Presentation by bidders</b>	Will be intimated later
<b>Online , Opening of Commercial Bid</b>	Will be intimated later
<b>Place of Opening of Bids</b>	ICT Department, 1st Floor Gandhinagar Municipal Corporation Registered Address: Pandit Deendayal Bhavan, Behind Fire Station, Sector-17, Gandhinagar, (Gujarat) Pin-382016
<b>Validity</b>	180 Days from the date of opening of the Tender
<b>Performance Security</b>	5% of the Total Contract Value. To be submitted by Selected Bidder within ten (10) working days from the date of issuance of WO Additional Performance Security as per RFP terms
<b>Contact Persons for queries</b>	ICT Officer - 9879204038 System analyst: 7874429047 EDP manager 9924493921
<b>Addressee and Address at which proposal in response to RFP notice is to be submitted:</b>	The Municipal Commissioner, Gandhinagar Municipal Corporation, Pandit Deendayal Bhavan, Behind Fire Station, Sector-17, Gandhinagar, Gujarat
<b>Bid validity</b>	180 days
<b>Consortium</b>	Not allowed
<b>Contract duration</b>	CAPEX – 5 months OPEX – 5 Years Total Contract Period – 5 years and 5 months
<b>Method of Selection</b>	Quality and Cost Based Selection QCBS (70% weightage for Technical and 30% weightage for Financial)

## 4. Introduction

Gandhinagar Municipal Corporation (GMC) is consistently working towards enhancing the efficiency, transparency, and responsiveness of urban governance. As a part of its Smart City and sustainable urban development initiatives, GMC aims to strengthen its capabilities in Adaptive Traffic Control System and Traffic Enforcement System. In alignment with this vision, GMC proposes the deployment of Traffic Junctions and Traffic Enforcement Systems at 3 locations in Gandhinagar.

This Request for Proposal (RFP) seeks responses from experienced, technically qualified, and financially sound agencies capable of undertaking the Supply, Installation, Testing, Commissioning (SITC), Integration, and Operations and Maintenance of these systems. The selected agency will be responsible for delivering a seamless, field-to-command-centre integrated solution that functions reliably in real-world operating conditions and supports the city's administrative, monitoring, and citizen service functions.

### 4.1 Project Objectives

The project is conceived to achieve the following core objectives:

- Efficient traffic management
- Efficient transport management
- Enhanced safety and security

The solution delivered must be capable of integration with all existing and future services of Gandhinagar Municipal Corporation with provision for future scalability.

### 4.2 Alignment with Gandhinagar's City Vision

This initiative reinforces GMC's strategy to build a **data-driven, proactive, and citizen-centric governance framework**. With the implementation of ATCS and TES, GMC aims to:

- Support evidence-based decision-making.
- Improve public safety
- Enable rapid emergency response and city-wide coordination.
- Enhance public trust through transparency and open information sharing.

This RFP outlines the technical, functional, operational, and administrative requirements necessary for successful implementation of the project.

## 5. Instruction to Bidders

GMC, invites reputed and eligible Firms to submit their technical and financial proposals for the project of Selection of Agency for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) at 3 junctions in Gandhinagar city, in accordance with conditions and manner prescribed in this Request for Proposal (RFP) document.

Bidder should study and assess the Guidelines for bidders on using eProcurement System Govt. of Gujarat available at <https://tender.nprocure.com/>.

**Note:**

References to “Vendor”, “bidder”, “Bidder”, “agency” “Selected Bidder” etc. in this RFP document shall be construed to refer to the Bidder itself.

References to “Client”, “GMC”, “purchaser”, “buyer”, “customer”, etc. in this RFP document shall be construed to refer to GMC (i.e. Gandhinagar Municipal Corporation)

These conditions will over-rule the conditions stated in the tender document(s), wherever relevant and applicable.

**5.1 Vendor / Bidder Registration on the e-Procurement System:**

All the Users / Bidders (Manufacturers / Contractors / Suppliers / Vendors / Distributors etc.) registered with and intending to participate in the Tenders of various Govt. Departments / Agencies / Corporations / Boards / Undertakings under Govt. of Gujarat processed using the Integrated e-Procurement System are required to get registered on the centralized portal <https://tender.nprocure.com/>.

The non-registered users / bidders who are also eligible to participate in the tenders floated using the e-Procurement system are also required to be registered online on the e-Procurement system.

Vendors are advised to complete their online enrolment / registration process on the portal well in advance to avoid last minute hassle, it is suggested to complete enrolment at least four days before the last date of bid submission date, failing which may result in non-submission of bids on time for which vendor/end user shall be solely responsible. Vendors are required to pay online registration / enrolment fee as applicable for one time and renewal fee.

**5.2 Digital Certificates**

The bids submitted online must be signed digitally with a valid Class II / Class III Digital Signature Certificate to establish the identity of the bidders submitting the bids online. The bidders may obtain pair of Encryption & Signing Class II / Class III Digital Certificate issued by an approved Certifying Authority (CA) authorized by the Controller of Certifying Authorities (CCA), Government of India.

Note: It may take upto 7 to 10 working days for issuance of Class-II / Class-III Digital Certificate, Therefore the bidders are advised to obtain it at the earliest. It is compulsory to possess a valid Class-II / Class-III Digital Certificate while registering online on the above-mentioned e-Procurement portal. A Digital Certificate once mapped to an account / registration cannot be remapped with any other account / registration however it may be inactivated / deactivated.

Important Note: bid under preparation / creation for a particular tender may only be submitted using the same digital certificate that is used for encryption to encrypt the bid data during the bid preparation / creation / responding stage. However bidder may prepare / create and submit a fresh bid using his/her another / reissued / renewed Digital Certificate only within the stipulated date and time as specified in the tender.

In case, during the process of a particular bid preparation / responding for a tender, the bidder loses his/her Digital Certificate because of any reason they may not be able to submit the same bid under preparation online; Hence the bidders are advised to keep their Digital Certificates secure to be used whenever required and comply with IT Act 2000 & its amendments and CVC guidelines.

The digital certificate issued to the authorized user of an individual / partnership firm / private limited company / public limited company / joint venture and used for online bidding will be considered as equivalent to a no-objection certificate / power of attorney to the user.

Unless the certificate is revoked, it will be assumed to represent adequate authority of the specific individual to bid on behalf of the organization / firm for online tenders as per Information Technology Act 2000. This authorized user will be required to obtain a valid Class-II / Class-III Digital Certificate. The Digital Signature executed through the use of Digital Certificate of this authorized user will be binding on the organization / firm. It shall be the responsibility of management / partners of the concerned organization / firm to inform the Certifying Authority, if the authorized user changes, and apply for a fresh digital certificate for the new authorized user.

### **5.3 Payments of Tender Fee and EMD**

Payment of Tender fee/Bid Fee and EMD: The tender fees/Bid Fee has to be paid in DD/ banker's Cheque and EMD has to be paid in DD/ banker's Cheque/BG as defined in this RFP and upload the scan copy of the same in procurement site during bid submission. The original copy of the Tender fee and EMD has to be submitted to GMC before last date/time of bid submission, please refer the link on the procurement portal <https://tender.nprocure.com/>. Amount and mode of payments are mentioned in the RFP.

### **5.4 Publishing of Notice Inviting Tender (N.I.T)**

For the tenders processed using the e-Procurement system, only a short advertisement notice related to the tender shall be published in the newspapers and the detailed notice shall be published only on the e-Procurement system. Bidders can view the detailed notice, tender document and the activity time schedule for all the tenders processed using the e-Procurement system on the portal <https://tender.nprocure.com/>

The bidders are strictly advised to follow the tender time for their side for tasks / activities and responsibilities to participate in the tender, as all the activities / tasks of each tender are locked before the start time & date and after the end time & date for the relevant activity of the tender as set by the concerned department official.

## **5.5 Downloading the tender document(s)**

The tender document and supporting document(s) if any can be downloaded only online. The tender document(s) will be available for download to concerned bidders after online publishing of the tender and up to the stipulated date & time as set in the tender.

## **5.6 Submit online bids**

Bidders have to submit their bid online on nprocure portal (<https://tender.nprocure.com>) after successful filling of forms within the specified date and time as set in the tender.

The encrypted bid data of only those bidders who have submitted their bids within the stipulated date & time will be accepted by the e-Procurement system. It is expected that the bidder completes his bid and submit within timeline, a bidder who has not submitted his bid within the stipulated date & time will not be available during opening.

Size of Bid documents uploaded during bid preparation should be as per requirements of nprocure portal.

## **5.7 Cost of Bidding**

The bidder shall bear all the costs associated with preparation and submission of its bid, and GMC will in no case be responsible or liable for these costs, regardless of conduct or outcome of the bidding process.

## **5.8 Completeness of the RFP**

Bidders are advised to study all instructions, forms, terms, requirements and other information in the RFP documents carefully. Submission of bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. The response to this RFP should be full and complete in all respects. Failure to furnish all information required by the RFP documents or submission of a proposal not substantially responsive to the RFP documents in every respect will be at the bidder's risk and may result in rejection of its Proposal. The bidder shall complete and submit all necessary formats and annexures as laid out in the RFP.

The purpose of this RFP is to provide interested parties with information that may be useful to them in making their financial offers pursuant to this RFP (the "Bid"). This RFP includes statements, which reflect various assumptions and assessments arrived at by the client in relation to the project. Such assumptions, assessments and statements do not purport to contain all the information that each bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the client, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in this RFP, may not be complete, accurate, adequate or correct.

Each bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions,

assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

The client also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any bidder upon the statements contained in this RFP.

The client may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

The issue of this RFP does not imply that client is bound to select a bidder or to appoint the successful bidder, as the case may be, and the client reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

## 5.9 Applicable Law

The contract shall be interpreted in accordance with the laws of Union of India and that of State of Gujarat.

## 5.10 Clarifications related to Bidding Document

The client will host a pre-bid meeting for queries (if any) by the prospective bidders. The date, time and place of the meeting are given in Data Sheet. The representatives of the bidders may attend the pre-bid meeting at their own cost. The purpose of the pre-bid meeting is to provide a forum to the bidders to clarify their doubts/seek clarification or additional information, necessary for them to submit their bid.

All queries from the bidders relating to this RFP must be submitted to the client. These queries should also be emailed to [ictoff-gmc-gnr@gujarat.gov.in](mailto:ictoff-gmc-gnr@gujarat.gov.in) strictly within the timeline mentioned in the data sheet in editable format. The queries should necessarily be submitted in the following format:

Sr. No.	RFP Section No.	RFP Clause No.	Reference/Subject	Clarification Sought

(scanned images to be avoided)

Queries submitted post the mentioned deadline or which do not adhere to the above-mentioned format may not be responded to. All the responses to the queries (clarifications/corrigendum/notifications) shall be made available on (n)Procure (<https://tender.nprocure.com/>). Any such corrigendum shall be deemed to be incorporated into this RFP. In case of any such amendment, the bid submission date may be extended at the discretion of Authority. It will be solely bidders' responsibility to check the nprocure site on regular basis for any corrigenda / addenda / modifications uploaded by the GMC. GMC will not be responsible for making sure that corrigenda / addenda / modifications uploaded by GMC have been received by bidders.

Authority shall endeavor to provide timely response to all queries. However, Authority makes no representation or warranty as to the completeness or accuracy of any response made in good faith. Authority does not undertake to answer all the queries that have been posed by the bidders.

GMC will not be responsible for ensuring that response to the bidders' queries have been received by them.

### **5.11 Amendment of RFP Document**

- a. At any time before the deadline for submission of bids, the client, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the RFP document by an amendment.
- b. The bidders are advised to visit the (n)Procure website ([https://tender.nprocure.com /](https://tender.nprocure.com/)) on regular basis for checking necessary updates. The client also reserves the rights to amend the dates mentioned in this RFP for bid process at its own discretion.
- c. In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the client may, at its discretion, extend the last date for the receipt of bids.
- d. GMC will not be responsible for ensuring that the said amendment of the RFP document have been received by bidders.

### **5.12 Conflict of Interest**

- A "Conflict of Interest" is any situation that might cause an impartial observer to reasonably question whether bidder's actions are influenced by considerations of your firm's interest at the cost of Government. The bidder agrees that it shall hold the client's interest paramount, without any consideration for future work, and strictly avoid any Conflict of Interest with other assignments of a similar nature. In the event the bidder foresees a Conflict of Interest, the bidder shall notify the client forthwith and seek its approval prior to entering into any arrangement with a third party which is likely to create a Conflict of Interest.
- Bidders shall not have a conflict of interest that may affect the Selection Process or the scope (the "Conflict of Interest"). Any bidder found to have a Conflict of Interest shall be disqualified.
- Client requires that the bidder provides professional, objective, and impartial advice and at all times hold the client's interest's paramount, avoid conflicts with other assignments or its own interests, and act without any consideration for future work.
- The bidder shall disclose to client in writing, all actual and potential Conflicts of Interest that exist, arise or may arise (either for the bidder or its team) during the term of the Agreement as soon as it becomes aware of such a conflict.

### **5.13 The Clients' Rights to Terminate the Process**

The client may terminate the RFP process at any time and without assigning any reason. The client makes no commitments, express or implied, that this process will result in a business

transaction with anyone. This RFP does not constitute an offer by the client. The bidder's participation in this process may result in client selecting the bidder to engage in further discussions and negotiations toward execution of a contract. The commencement of such negotiations does not, however, signify a commitment by the client to execute a contract or to continue negotiations. The client may terminate negotiations at any time without assigning any reason.

#### **5.14 Submission of Earnest Money Deposit and Tender Fee/Bid Fee**

The bidders shall submit their **Earnest Money Deposit (Annexure-4)** and bid fee either as in usual physically sealed Earnest Money Deposit/Bid Fee envelope and the same should reach the concerned office. Bidders also have to upload scanned copy of Earnest Money Deposit/Bid Fee instrument along with the reference details online.

Bid Fee/Tender Fee submitted is non-refundable.

**For Unsuccessful bidders:** The EMD of all unsuccessful bidders would be refunded without interest by Authority on finalization of the bid in all respects with the successful bidder.

**For Successful bidders:** The EMD, for the amount mentioned above, of successful bidder would be returned without interest upon submission of Performance Bank Guarantee by the successful bidder.

In case bid is submitted without the EMD and Tender Fee then Authority reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned.

The EMD shall be forfeited in any of the following circumstances:

- If a Bidder withdraws their bid or increases their quoted prices during the period of bid validity or its extended period, if any;
- If the offer is modified or varied in a manner not acceptable to the Authority after opening of the proposals during the bid validity period or any extension thereof
- If the applicant is found to have conflict of interest
- If the first ranked bidder withdraws his proposal during negotiations
- In the case of a successful bidder: if the Bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time
- During the bid process, if a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
- During the bid process if any information found wrong / manipulated / hidden in the bid.

#### **5.15 Sub-Contracting**

The bidder would not be allowed to sub-contract work. Sub-contracting/outsourcing would be allowed only for work like

- Passive Networking and Civil Work during implementation
- Services delivered by the respective Product Vendors / OEMs

- Staff for non- IT support during post-implementation

Sub-contracting / Outsourcing shall be allowed only for the work which is allowed as mentioned in the clause with prior written approval of GMC. However, even if the work is sub-contracted / outsourced, the sole responsibility of the work shall lie with the Agency. The Agency shall be held responsible for any delay/error/non-compliance etc. of its sub-contracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to GMC. Sub-contracting / outsourcing would be allowed only for work such as:

### 5.16 Fraud and Corrupt Practices

The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFP, Authority shall reject a Bid without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the “Prohibited Practices”) in the Selection Process. In such an event, Authority shall, without prejudice to its any other rights or remedies, forfeit and appropriate the EMD or PBG, as the case may be, as mutually agreed genuine pre- estimated compensation and damages payable to Authority for, inter alia, time, cost and effort of Authority, in regard to the RFP, including consideration and evaluation of such Bidder’s Bid.

Without prejudice to the rights of Authority under Clause above and the rights and remedies which Authority may have under the LOI or the Agreement, if a Bidder is found by Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOI or the execution of the Agreement, such **Bidder shall not be eligible to participate in any tender or RFP issued by Authority during a period of 3 years from the date such Bidder is found by Authority to have directly or through an agent, engaged or indulged in any Prohibited Practices.**

For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:

“Corrupt practice” means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of Authority who is or has been associated in any manner, directly or indirectly with the Selection Process or the LOI or has dealt with matters concerning the Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of Authority, shall be deemed to constitute influencing the actions of a person connected with the Selection Process); or (ii) save as provided herein, engaging in any manner whatsoever, whether during the Selection Process or after the issue of the LOA or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the Award or the

Agreement, who at any time has been or is a legal, financial or technical consultant/adviser of Authority in relation to any matter concerning the Project;

“Fraudulent practice” means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;

“Coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person’s participation or action in the Selection Process;

“Undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and

“Restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Selection Process.

#### **5.17 Right to vary quantity**

- At the time of award of contract or during the contract period, the quantity of 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.
- If the Authority does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding document.
- Repeat orders for extra items or additional quantities may be placed, on the rates and conditions given in the contract. Delivery or completion period may also be proportionally increased subject to approval of authority.

#### **5.18 General**

While every effort has been made to provide comprehensive and accurate background information, requirements and envisaged solution(s) specifications, Bidders must form their own conclusions about the solution(s) needed to meet the Authority’s requirements. Bidders and recipients of this RFP may wish to consult their own legal advisers in relation to this RFP.

All information supplied by Bidders as part of their bids in response to this RFP, may be treated as contractually binding on the Bidders, on successful award of the assignment by the Authority on the basis of this RFP.

No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of Authority. Any notification of preferred bidder status by Authority shall not give rise to any enforceable rights by the Bidder.

Authority may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of Authority.

### **5.19 Preparation and submission of Proposal**

Proposals from bidders must be accompanied with a cover letter as per Annexure-2

### **5.20 Language of Bids**

The bids uploaded by the bidder, shall be written in English language, provided that any printed literature furnished by the bidder in another language shall be accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the bidder.

### **5.21 Proposal currency**

Prices shall be expressed in Indian Rupees only.

### **5.22 Bid Validity period**

- Bids shall be valid for 180 days after the date of bid opening prescribed by GMC. A bid valid for shorter period shall be rejected by GMC as non-responsive.
- In exceptional circumstances, GMC may solicit the bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his EMD. A bidder granting the request will not be permitted to modify its bid.

### **5.23 Bid Submission Format and signing of proposal**

The Bidder shall provide all the information sought under this RFP. The Authority will evaluate only those Proposals that are received in the required formats and complete in all respects. The Bidder shall prepare and submit the Technical Bid (together with originals/ copies of Documents required to be submitted along therewith pursuant to this RFP) along with the EMD and Bid Fee as mentioned in data sheet.

The commercial Bid and Technical proposal must be submitted online. In case, the commercial Bid is submitted physically which leads to revelation of prices before the due date of opening of the commercial Bid, the bid will be disqualified.

The Technical Proposal shall be typed or written in indelible ink and signed by the authorized signatory of the Bidder who shall also initial each page, preferably in blue ink and the signature of the authorized signatory (shall bind the Bidder to the contract. In case of printed and published documents, all pages shall be initialed. All the alterations, omissions, additions, or any other amendments made to the Proposal shall be initialed by the person(s) signing the Proposal. Each page of the Proposal must be numbered at the right-hand top corner and all pages shall be initialed.

The Proposal must be properly signed by the authorized signatory (the “Authorized Signatory”) as the Bidder holding the **Power of Attorney (Annexure-1)**. If possible, such Power of Attorney shall be supported by a Board Resolution in favor of the person vesting power to the person signing the Bid.

**Note: The technical proposal will have to be submitted online on <https://tender.nprocure.com/> and also submitted in physical form.**

#### 5.24 Proposal submission format, sealing and marking of proposals

Bidders are required to submit their EMD, bid fees and bids in separate sealed envelopes as per instructions given below:

Part 1: Bid Fee / Tender Fee and EMD as mentioned in Data Sheet in “Envelope 1” super scribed with Tender No, Due Date and RFP Name – “Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) at 3 junctions in Gandhinagar city”.

The proposal shall also consist with all supporting documents.

Part 2: Technical Bid with complete details as mentioned in RFP in “Envelope 2” super scribed with Tender No, Due Date and RFP Name – “Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) at 3 junctions in Gandhinagar city”. The proposal shall also consist with all supporting documents, signed RFP copy, signed Addenda & signed Corrigenda, if any.

The large envelope/outer envelope containing above envelopes must be sealed and super-scribed and shall be sent as under:

Details to be mentioned exactly on sealed envelope	
<p>Tender Details</p> <ul style="list-style-type: none"> <li>• RFP No:</li> <li>• Bid for Selection of Agency for Selection of Agency for Supply, Installation, Testing &amp; Commissioning (SITC) and O&amp;M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) at 3 junctions in Gandhinagar city</li> <li>• Deadline for bid submission: &lt;&lt;DD MMM YYYY&gt;&gt; ____ hrs</li> </ul>	<p>To,                      The Municipal Commissioner                      Gandhinagar Municipal Corporation                      Bid Reference No: _____                      Date: _____                      Gandhinagar Municipal Corporation                      Registered Address: Pandit Deendayal Bhavan,                      Behind Fire Station,                      Sector-17, Gandhinagar, (Gujarat) Pin-382016                      Phone No. 079 232 84150, Fax: 232 21419,</p> <p>From Address with name, mobile number and email id</p>

- The physical copy of Technical Bid, Tender Fee and EMD must be sent strictly through Postal Speed Post/Registered Post AD / Hand Delivery so as to reach on or before date mentioned. Client won't be responsible for postal delays.
- Client will not accept submission of a proposal in any manner other than that specified in the document. Proposals submitted in any other manner shall be treated as invalid and rejected.
- If the envelopes are not sealed and marked as instructed above, the client assumes no responsibility for the misplacement or premature opening of the contents of the application and consequent losses, if any suffered by the bidder.
- Each bidder shall submit only one proposal containing documents as below. A bidder who submits more than one proposal under this contract will be disqualified.
- The large envelope should contain:
  - Original copy of the Tender Fee and EMD
  - Pre-qualification criteria related documents
  - Technical Proposal related documents
  - Signed RFP Copy
  - Signed Addenda & Corrigendum (if applicable)
- The bidder shall prepare original set of the Application (together with originals /copies of documents required to be submitted along therewith pursuant to this document) and bidder should also submit it online. In the event of any discrepancy between the hard copy and the soft copy, the soft copy shall prevail.
- Each page of the above should bear the initials of the Applicant along with the seal of the Applicant in token of confirmation of having understood the contents.
- Pre-qualification and Technical Proposal should be signed by an authorized person of the bidder.
- The commercial Bid must be submitted online on (n)Procure website <https://tender.nprocure.com/>. It should not be sent physically, if submitted physically the bid shall be rejected.
- The Pre-qualification Proposal should be submitted along with a certified true copy of a board resolution/power of attorney empowering authorized signatory to sign/act/execute documents binding the bidder organization to the terms and conditions detailed in this proposal.

Proposals must be direct, concise, and complete. Client will evaluate bidder's proposal based on its clarity and completeness of its response to the requirements of the project as outlined in this RFP. The client reserves the right to accept or reject any or all the proposals without assigning any reason.

### **5.25 Late Proposals**

- Proposals not reaching to the Authority on or before the specified time limit on the Proposal Due Date will not be accepted.
- Authority shall not be responsible for any postal delay or non-receipt/ non-delivery of any documents.

### **5.26 Taxes**

The prices mentioned in the commercial Bid should include all applicable taxes including GST. Any deviations due to change in the rate of taxes and duties or any introduction of new taxes and duties would be bear by the Bidder and the client shall not pay any additional amount for such tax rate deviation. The client shall be entitled to deduct tax at source or any other taxes/cess as may be applicable.

### **5.27 Modification and withdrawal of proposal**

The bidder may withdraw or modify its bid before the last date of submission of bids as prescribed by GMC. Bids cannot be modified after the deadline for submission of bids.

Proposal once filled in, submitted shall not be allowed to be withdrawn till the validity of the bid remains in force or else the Earnest Money Deposit shall be liable for forfeiture.

Any alteration/ modification in the Proposal or additional information supplied subsequent to the Proposal Due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

Bidders cannot put condition/s of any kind in the Technical Bid. Conditional bids will be treated as non-responsive and rejected.

### **5.28 Non-Conforming bids**

A bid may be construed as a non-conforming bid and ineligible for consideration:

- If it does not comply with the requirements of this RFP.
- If a bid does not follow the format requested in this RFP or does not appear to address the particular requirements of the solution / scope of work

### **5.29 Other Important Notes for bidders:**

Authority reserves the right to reject in full or part, any or all bids without assigning any reason thereof. Authority reserves the right to assess the Bidder's capabilities and capacity. The decision of Authority shall be final and binding.

Bid should be free of over writing. All correction or addition must be clearly written both in words and figures.

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.

GMC may at its sole discretion, waive any minor informality or non-conformity or irregularity in a Bid Document, which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative evaluation of any other Bidder.

If there is any discrepancy in the commercial bid, it will be dealt as per the following:

- If, in the price structure quoted for the required services/works, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly.
- If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- If there is a discrepancy between words and figures, the amount in words shall prevail.
- If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of Authority, the bid is liable to be disqualified.

### **5.30 Site Visit**

The Bidder may wish to visit project site and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.

The Authority will arrange for the Bidder and any of its personnel or agents to gain access to the relevant site or sites, provided that the Bidder gives the Authority adequate notice of a proposed visit of at five (5) days. Failure of a Bidder to make a site visit will not be a cause for its disqualification.

No site visits shall be arranged or scheduled after the deadline for the submission of the Bids and prior to the award of Contract.

### **5.31 Disqualification**

The bid is liable to be disqualified in the following cases or in case bidder fails to meet the bidding requirements as indicated in this RFP:

- During validity of the bid, or its extended period, if any, the bidder changes its quoted prices.
- The bidder's bid is conditional and has deviations from the terms and conditions of RFP.
- Bid is received in incomplete form.
- Bid is not accompanied by all the requisite documents.
- Information submitted in technical bid is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period if any.
- Financial bid is enclosed with the same document as technical bid.
- Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
- In case any one party submits multiple bids or if common interests are found in two or more bidders, the bidders are likely to be disqualified, unless additional bids/bidders are withdrawn upon notice immediately

- If any of the Bidder is also partner in any other bid, then all the affected bids shall be disqualified.
- Bids without EMD and Tender fee will be disqualified

### **5.32 Opening of Bids**

The Bids shall be opened by Authority in presence of those Bidders or their representatives who may choose to be present at the time of opening. The attendees are required to sign a register of attendance whenever they visit GMC.

The representatives of the bidders should be advised to carry the identity card or a letter of authority from the bidder firms to identify that they are bona fide representatives of the bidder firm, for attending the opening of bid. There will be following bid opening events:

- Technical Bid
- Commercial bid

In case the bidder has not submitted Tender Fee and EMD as per RFP terms and conditions then the bid will be rejected and no further scrutiny/evaluation of pre-qualification criteria and technical evaluation will be carried out. The date and time for opening of Technical & Commercial bid would be communicated to the qualified bidders. The Technical Bids of only those bidders will be opened who clear the Pre-qualification stage. The Commercial Bids of only those bidders will be opened who score equal to or more than 70% in Technical Evaluation.

### **5.33 Preliminary Examination of Bids**

Authority shall examine the bids to determine whether they are complete, whether the documents have been properly signed and whether the bids are generally in order. Any bids found to be nonresponsive for any reason or not meeting any criteria specified in the RFP, shall be rejected by Authority and shall not be included for further consideration.

Initial Bid scrutiny shall be held, and bids will be treated as non-responsive, if bids are:

- Not submitted in format as specified in the RFP document
- Received without the Letter of Authorization (Power of Attorney as per annexure-1)
- With incomplete information, subjective, conditional offers and partial offers submitted
- Submitted without the documents requested
- Non-compliant to any of the clauses mentioned in the RFP
- With lesser validity period

### **5.34 Bids Found with suppression of details / Clarification of Bids**

During the bid evaluation, Authority may, at its discretion, ask the Bidder for any clarification(s) of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

The Bidder may wish to visit project site and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.

The Authority will arrange for the Bidder and any of its personnel or agents to gain access to the relevant site or sites, provided that the Bidder gives the Authority adequate notice of a proposed visit of at five (5) days. Failure of a Bidder to make a site visit will not be a cause for its disqualification.

No site visits shall be arranged or scheduled after the deadline for the submission of the Bids and prior to the award of Contract.

### **5.35 Restriction of purchase from border countries as per GOI guideline**

GMC will adhere office memorandum published by Ministry of Finance, Department of Expenditure, Public Procurement Division as insertion of rule 144 (xi) in the general financial rules (GFRs), 2017 dated 23rd July 2020 having no. F. No. 6/18/2019-PPD. Details of policy mentioned below:

- Any bidder from a country which shares land border with India will be eligible to bid in any procurement whether goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if bidder is registered with the Competent Authority.
  - "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
  - Bidder from a country which shares a land border with India" for the purpose of this Order means:
    - An entity incorporated, established or registered in such a country; or A subsidiary of an entity incorporated, established or registered in such a country; or
    - An entity substantially controlled through entities incorporated, established or registered in such a country; or
    - An entity whose beneficial owner is situated in such a country; or
    - An Indian (or other) agent of such an entity; or
    - A natural person who is a citizen of such a country; or
    - A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
  - The beneficial owner for the purpose of (ii) above will be as under:
    - In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means. Explanation—

- "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
- "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- Where no natural person is identified under three points above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- An Agent is a person employed to do any act for another, or to represent another in dealings with third person

## 6. Evaluation Process

- The bidder must possess the technical know-how and the financial wherewithal that would be required to successfully provide the services sought by the client, for the entire period of the contract. The bidder's bid must be complete in all respect, conform to all the requirements, terms and conditions and specifications as stipulated in the RFP document.
- The evaluation process of the RFP proposed to be adopted by the client is indicated under this clause. The purpose of this clause is only to provide the bidder an idea of evaluation process that the client may adopt. However, client reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever, and without any requirement of intimating the bidder of any such change.
- The client shall scrutinize and evaluate the Technical and Commercial Bids received. The client will examine the bids to determine whether they are complete, compliant, and responsive and whether the bid format confirms to the RFP requirements.
- The client may waive any informality or nonconformity in a bid which does not constitute a material deviation according to the client.

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

- All the documents of technical bid that are submitted online, only those documents will be considered for evaluation. If any document is found missing online, the same will not be considered in hard copy. However, the client may ask for supporting documents in hard copy.
- The decision of the client in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the client. The client may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.
- Bids for those bidders who don't pre-qualify, will be disqualified and not be considered for further evaluation. Financial bid will not be opened for those bidders, who don't qualify the technical evaluation.
- There should be no mention of bid prices in any part of the bid other than the Commercial bids.

### 6.1 Pre-qualification Criteria

After successful verification of Tender Fee and EMD submissions, Technical Bids of all bidders will be opened online. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified. The bidders must submit all necessary documentary evidences in its bid response. The pre-qualification criteria is as follows:

#	Pre-Qualification Criteria	Proof Documents Required
1	The bidder must be a registered legal entity in India under the Companies Act 1956/2013 or a Partnership Firm/LLP registered under relevant Acts and must have been in continuous operation in India for at least 5 years as on the date of publication of this RFP.	<ul style="list-style-type: none"> <li>• Certificate of Incorporation / Registration Certificate</li> <li>• PAN</li> <li>• GST Registration</li> <li>• Certificate of Name Change (if applicable)</li> </ul>
2	The bidder must have an average annual turnover of at least INR 10 Crore from ICT / IT/ITeS in the last 3 financial years i.e., FY 2022-23, 2023-24, 2024-25. The bidder must have positive net worth as on 31st Mar 2025	<ul style="list-style-type: none"> <li>• Audited Balance Sheet &amp; P/L Statements for last 3 years</li> <li>• CA Net Worth &amp; Turnover Certificate</li> </ul> <p><b>As per Annexure-10</b></p>
3	Bidder should have demonstratable experience of at least 1 project involving SITC and O&M of ATCS at at-least 5 traffic junctions with a centralized monitoring and control software for Smart City/ ULB/ Government Organization / State Government Departments / Central Govt Departments in India /PSU in the last 7 years from the date of publishing this RFP	<p><b>Citation as per Annexure - 14</b></p> <p>Work Order/Contract Agreement and copy of work completion certificate/ Go-Live certificate</p>

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Pre-Qualification Criteria	Proof Documents Required
4	Bidder should have demonstratable experience of at least 1 project involving SITC and O&M of Traffic Enforcement systems (RLVD / ANPR / SVD) at at-least 5 junctions with a centralized monitoring and control software for Smart City/ ULB/ Government Organization / State Government Departments / Central Govt Departments in India /PSU in the last 7 years from the date of publishing this RFP	<b>Citation as per Annexure - 14</b> Work Order/Contract Agreement and copy of work completion certificate/ Go-Live certificate
5	The bidder should not have been blacklisted by any Smart City / ULB / Central Government Departments / State Government Departments / PSUs in India as of bid submission date.	Self-Declaration as per <b>Annexure-11</b>
6	The bidder shall submit details of litigation history, if any, during the last 5 years. Absence of litigation must be declared through affidavit.	Litigation Declaration <b>as per Annexure - 13</b>
7	The bidder shall establish a local support office in Gandhinagar / Ahmedabad within 45 days of issuance of LoI, if not already present.	Undertaking to establish office <b>as per Annexure-18</b> OR Copies of Office Proof (Property Tax / Utility Bill / GST Registration Certificate/ Lease Agreement)
8	The Bidder should possess any one of the below certifications which are valid at the time of bidding: ISO/IEC 20000-1: 2018 or above ISO 14001:2015 or above ISO 45001:2018 or above ISO 9001:2015 or above ISO 27001: 2013 or above ISO 22301: 2019 or above CMMI level 5	Valid certificate copies in bidder's name
9	Submission of Power of Attorney	Annexure-1
10	Submission of No Deviation Certificate	Annexure-7
11	Submission of Non Termination Certificate	Annexure-6
12	Submission of Total Responsibility Certificate	Annexure-8
13	Submission of Compliance Letter	Annexure-19
14	Submission of Undertaking of No Conflict of Interest	Annexure-20
15	Submission of Earnest Money Deposit	In the forms specified in the RFP
16	Submission of Tender Fee	Demand Draft / Banker's cheque as

#	Pre-Qualification Criteria	Proof Documents Required
		per details mentioned in RFP
17	Bidder Details	Annexure-9
18	Undertaking on Non-Violation of IPR	Annexure-12
19	Affidavit	Annexure - 3
20	Submission of signed copy of RFP copy (initialed on each page) and signed copy Corrigenda (if applicable initialed on each page)	-
21	Submission of Manufacturer's Authorization Form for following components: 1. All Cameras 2. Server and storage 2. Countdown timer 3. Junction Boxes 4. UPS 5. ATCS Controller 6. Traffic Light Aspects (Red, Green, Amber) 7. Pedestrian Lights (Stop man and walk man) 8. Local Processing Units 9. Network Video Recorders 10. All Softwares 11. IR Illuminators	Annexure-22
22	Submission of Anti-Collusion Certificate	Annexure-23
23	Submission of Certificate by Bidder sharing land border	Annexure-24
24	Submission of Make and Model Form	Annexure- 25
25	Bidder's compliance sheet (signed and stamped) for all components mentioned under Technical Requirement Specifications and Functional requirement specifications on Bidder's letter head.	Data sheets available in chapters of Technical Requirement specifications and Functional Requirement Specifications with compliance remarks along with sign and stamp.

Technical evaluation of only those bidders who qualify and pass all of the above pre-qualification criteria along with submission of valid and acceptable evidences will be conducted.

## 6.2 Technical Evaluation Criteria

Technical evaluation of those bidders will be conducted who have submitted the EMD & Tender Fee as per GMC's conditions and bidders who have qualified the Pre-Qualification Criteria and submitted all necessary documents and proofs as per RFP. **Bidders who have not qualified the pre-qualification criteria as per section 6.1 will not be considered for further technical evaluation and their bids will be disqualified.**

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sr No	Technical Evaluation Criteria	Document Required	Marking Criteria	Max Marks
1	Bidder's overall Turnover (Average Turnover for last three financial years i.e 2022-23, 2023-24, 2024-25)	Audited and Certified Balance Sheet and Profit/Loss Account for the last three Financial Years should be enclosed. CA Certificate be enclosed to be submitted as proof	<p>&gt;= 10 Cr. to &lt;= 25 Cr = 5 Marks</p> <p>&gt; 25 Cr to &lt;= 50 Cr = 10 Marks</p> <p>&gt; 50 Cr = 15 Marks</p>	15
2	Bidder should have demonstratable experience of SITC and O&M of ATCS for at-least 5 junctions with a centralized monitoring and control software for Smart City/ ULB/ Government Organization / State Government Departments / Central Govt Departments in India /PSU in the last 7 years from the date of publishing this RFP	<p>Citation as per <b>Annexure - 14</b></p> <p>Work Order/Contract Agreement and copy of work completion certificate/ Go-Live certificate</p>	<p>1 Project – 5 marks</p> <p>2 projects – 10 marks</p> <p>3 projects - 15 marks</p>	15
3	Bidder should have demonstratable experience of SITC and O&M of Traffic Enforcement systems (RLVD / ANPR / SVD) for at-least 5 junctions with a centralized monitoring and control software for Smart City/ ULB/ Government Organization / State Government Departments / Central Govt Departments in India /PSU in the last 7 years from the date of publishing this RFP	<p>Citation as per <b>Annexure - 14</b></p> <p>Work Order/Contract Agreement and copy of work completion certificate/ Go-Live certificate</p>	<p>1 Project – 5 marks</p> <p>2 projects – 10 marks</p> <p>3 projects - 15 marks</p>	15
4	Agency must have minimum 50 full time employees on their payroll	Self Certification by HR Head of the agency	<p>50 personnels – 2 marks</p> <p>51 – 100 personnels – 5 marks</p> <p>&gt;100 personnels – 10 marks</p>	10

Sr No	Technical Evaluation Criteria	Document Required	Marking Criteria	Max Marks
5	The Bidder should possess a valid CMMI level 5 certificate	Copy of CMMI Level 5 certificate	5 marks will be awarded on submission of copy of valid CMMI Level 5 certificate	5
<b>Total Marks for financial capacity, prior experience, key personnel and certification</b>				<b>60</b>

**Approach and Methodology and Technical Presentation; Maximum 25 marks**

**Technical Evaluation will also include bidders' understanding of Scope of Work and submission of Detailed Approach & Methodology which is to be submitted as a part of technical proposal.**

**Presentation needs to be given to the authority as per data and time decided by the authority. Total Marks allotted for the same is 25 marks.**

The bidder must cover the following indicative points under Approach and methodology and technical presentation. The points are indicative and bidders are encouraged to propose more points relevant to the project:

1. Understanding of scope of work, strategy to ensure project implementation within timelines
2. Functional Requirements and System Architecture in the proposed solution
3. Project Implementation Plan, Quality Management Plan
4. Resource deployment plan
5. Bidder's plan to ensure target uptime during O&M phase and monitoring mechanism (incident management, NMS etc.) for all components
6. Identification of major risks and their mitigation plan
7. Approach and Measures for Information security of the complete solution from various threats and vulnerabilities
8. Key learnings from similar projects and how do you propose to incorporate them in execution of this assignment

**6.3 Key Personnel Criteria (CVs to be made a part of Technical Proposal)**

The following table shows key personnel required during CAPEX and OPEX period of the project

Sr No	Key Personnel in CAPEX	Numbers	Deployment during CAPEX	Key Personnel in OPEX	Deployment during OPEX
1	Project Manager	1	100%	Project Manager	100%
2	Solution Architect	1	100%	Solution Architect	No deployment

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sr No	Key Personnel in CAPEX	Numbers	Deployment during CAPEX	Key Personnel in OPEX	Deployment during OPEX
3	Network, Server and Storage Expert	1	100%	Network, Server and Storage Expert	100%
4	Software Application Expert	1	100%	Software Application Expert	100%

Agency is also expected to provide field support manpower during O&M period for 24X7 support. The profile of the field support manpower must be thoroughly vetted by the agency. The field support manpower will operate in shifts. Minimum 1 field support manpower must be available per shift. The cost of field support manpower will be borne by the agency.

The following table shows the minimum qualifications of Key Personnel from IT / CSE / ECE educational background and marking as mentioned in above table:

Sr No	Key Personnel in CAPEX	Numbers	Minimum Qualification and marking criteria	Max Marks
1	Project Manager	1	<ul style="list-style-type: none"> <li>Education: Full Time BCA/MCA/ B.Tech/M. Tech/B.E./M.E from a reputed institute – 2 marks</li> <li>Total Experience: At least 5 years in IT sector – 2 marks</li> <li>Should have more than 3 years of experience of handling similar assignments - 1 mark</li> <li>Should preferably have PMP or Prince2 certification – 1 mark</li> </ul>	6
2	Solution Architect	1	<ul style="list-style-type: none"> <li>Education: Full Time BCA/MCA/ B.Tech/M. Tech/B.E./M.E from a reputed institute – 1 mark</li> <li>Total Experience: At least 5 years in IT sector - 1 mark</li> <li>Should have more than 3 years of experience of handling Solution Architecture in similar assignment - 1 mark</li> </ul>	3
3	Network, Server and Storage Expert	1	<ul style="list-style-type: none"> <li>Education: Full Time BCA/MCA/ B.Tech/M.</li> </ul>	3

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

<b>Sr No</b>	<b>Key Personnel in CAPEX</b>	<b>Numbers</b>	<b>Minimum Qualification and marking criteria</b>	<b>Max Marks</b>
			Tech/B.E./M.E from a reputed institute - 1 mark • Total Experience: At least 5 years in IT sector - 1 mark • Should have more than 3 years of experience of handling Network, Server and Storage in similar assignment - 1 mark	
4	Software Application Expert	1	• Education: Full Time BCA/MCA/ B.Tech/M. Tech/B.E./M.E from a reputed institute - 1 mark • Total Experience: At least 5 years in IT sector - 1 mark • Should have more than 3 years of experience of handling Software applications in similar assignment - 1 mark	3
<b>Total Marks for Key Personnels</b>				<b>15</b>

For better understanding, similar assignments will mean involvement in projects of SITC and O&M for ICCC / ATCS / TES / General Surveillance / ITMS.

**CVs of the above candidates must form a part of the Technical Proposal**

The CVs be submitted by the agency to GMC for approval. The resource deployed by the agency must have the required technical competence to deliver the said project and must be available for all meetings called by the authority related to the project. The agency is expected to ensure that Senior Personnels from the agency attend the project review meetings organized by GMC.

Agency shall ensure that adequate number of personnel, with roles and responsibilities for each resource are working on the project. GMC may ask the agency has to provide the list of all resources working on the project along with a write up on the works done by these resources under the project.

The Bidder shall inform the Authority in writing in case of any change in the composition of the Key Personnel during the term of the engagement, including instances where a member resigns, is terminated, is long-term disabled, is on permitted mandatory leave under Applicable Law, or retires.

Bidder shall independently make an assessment of team size required to meet the requirements of Service Levels as specified as part of this tender and deploy additional

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

resources at bidder's own cost. The bidder is expected to provide periodic reports (as required by the authority) on involvement of each team member involved with the project.

Any additional or support manpower based on the need of the project and completion of project milestones and meeting project SLAs shall be estimated and should be accounted for in the Commercial proposal by the selected bidder and deployed at bidder's own cost, so that, the project as per the scope defined and agreement are fulfilled and the project objectives are met. GMC will bear no additional cost over in such cases.

In case any proposed resource resigns, then the Bidder has to inform Authority within one week of such resignation.

Bidder shall promptly initiate a search for a replacement to ensure that the role of any member of the Key Personnel is not vacant at any point in time during the contract period, subject to reasonable extensions requested by Bidder to Authority.

In case of any replacement of Key Personnel, the Bidder will ensure that suitably qualified and experienced resources are assigned to maintain continuity of services. The Bidder shall take all necessary steps internally to ensure smooth knowledge transfer and satisfactory performance under the contract.

The agency shall be required to deploy the same manpower as proposed in the Deployment plan (Technical Proposal). The replacement of the resources in exceptional circumstances such as death or medical incapacity shall be permitted to the agency in compliance with the terms and conditions mentioned in the RFP. The written request for replacement of personnel (with detailed profile of replacing resource) shall be submitted by agency to client within 15 days.

In other cases of replacement, the agency shall take prior approval from client. The written request for replacement of personnel (with detailed profile of replacing resource) shall be submitted by agency to client at least 30 days prior to the replacement. The service level mentioned below shall be applicable on the agency towards the replacement.

The replaced resource should provide Knowledge Transfer with a sufficient overlapping period.

Submission of attendance to client is compulsory with every invoice along with other necessary deliverables and reports as required by client.

The following table summarizes the marking under Technical Evaluation Framework:

Criteria	Max marks
Total Marks for financial capacity, prior experience, key personnel and certification	60
Approach and Methodology and Technical Presentation	25
Manpower (Key Personnel)	15

**Note: Technical bid qualification criteria: Bidders shall score at least 60 absolute marks out of 100 in order to qualify for the commercial bid opening.**

## 6.4 Financial Bid Evaluation

The Financial Bids of only the technically qualified bidders will be opened for evaluation. Each of the financial bids submitted shall be evaluated based on the total bid value submitted by the bidder.

### Note:

- All the technically qualified bidders will be notified to participate in Commercial Bid opening process.
- The commercial bids for the technically qualified bidders shall then be opened on the notified date and time and reviewed to determine whether the commercial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- Commercial bids that are not as per the format provided in RFP shall be liable for rejection.
- The bid price shall include all taxes and levies and shall be in Indian Rupees and mentioned separately.
- The bidder has to ensure that their commercial bid contains reasonable rates for CAPEX items and OPEX items
- GMC may identify abnormally higher / lower unit rates of line items and seek justifications from bidders on the same.
- It is recommended that Total Capital Price (CAPEX) quoted in the project should not exceed 70% of Total CAPEX + OPEX Price quoted in the commercial bid. In case the bidder quotes higher figures (more than 70% of Total CAPEX + OPEX Price) towards CAPEX, the same shall be restricted to 70% while making payments towards CAPEX. Any value quoted towards CAPEX over and above 70% limit will be paid in equal quarterly installments during O&M phase along with quarterly payment for each quarter
- Only fixed price financial bids indicating total price (inclusive of taxes) for all services specified in this bid document shall be considered.
- Any conditional bid would be rejected.
- The final decision of the client on the eligibility of bidders, categorization, and acceptance of submitted projects shall be final, binding, and non-negotiable.

## 6.5 Bid Evaluation Methodology

The selection of the successful bidder (H1 bidder) will be carried out through a combined evaluation of the Technical Bid and the Financial (Commercial) Bid, with a weightage assigned to each component.

### Weightage Distribution

- Technical Bid: 70% of the total evaluation
- Financial Bid: 30% of the total evaluation

This means that technical quality will have a greater influence on the final score, while the financial offer will also be taken into account, but with relatively lesser weight.

### 6.5.1 Normalization of Technical Scores

To ensure fairness and comparability across bidders, the technical scores will be normalized using the following formula:

$$T_n = (T_b / T_{max}) \times 100$$

---

Where:

- $T_n$  = Normalized Technical Score of a bidder
  - $T_b$  = Technical score obtained by the bidder (before normalization)
  - $T_{max}$  = Highest technical score obtained among all bidders
- This formula ensures that the bidder with the highest technical score gets a normalized score of 100, and the other bidders' scores are adjusted proportionately.

### 6.5.2 Normalization of Financial Scores

Similarly, financial bids are normalized to ensure fair comparison, using the following formula:

$$F_n = (F_{min} / F_b) \times 100$$

---

Where:

- $F_n$  = Normalized Financial Score of a bidder
  - $F_b$  = Financial bid value (quoted price) of the bidder
  - $F_{min}$  = Lowest financial bid value among all bidders
- This formula ensures that the bidder with the lowest financial quote gets a normalized score of 100, and other bidders receive proportionately lower scores based on their higher prices.

### 6.5.3 Combined Score Calculation

Once both Technical ( $T_n$ ) and Financial ( $F_n$ ) scores are normalized, the final score for each bidder is calculated using the weightage distribution:

$$Final\ Score = (T_n \times 0.70) + (F_n \times 0.30)$$

---

### 6.5.4 Selection of H1 Bidder

- The bidder with the highest Final Score (calculated upto 2 decimal places) will be declared as the H1 bidder (successful bidder).
- This ensures a balanced evaluation, where both quality (technical strength) and cost-effectiveness (financial offer) are considered.
- In case of a tie where two or more bidders achieve the same H1 score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.

## 7. Award of Contract

## 7.1 Notification of Award

Authority will notify the successful Bidder in writing by e-mail followed by courier. To be confirmed by the Bidder in writing by email followed by courier.

The bidder achieving H1 shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same H1 score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.

## 7.2 Signing of Contract

After the notification of award, Authority will issue Letter of Intent (LoI) to the successful bidder. Accordingly, a contract agreement and Non Disclosure Agreement shall be signed between successful bidder and Authority or the agency designated by Authority. As an acceptance of the LoI, the Bidder shall sign and return back a duplicate copy of the LoI to Authority or the agency designated by the Authority. The bidder shall return the duplicate copy along with a Performance Bank Guarantee (**as per details in subsequent section**) and project plan within 15 working days from the date of issuance of LoI. The authority will issue a Work Order to the agency.

After the site survey is completed, based on the site feasibility, an approved commercial (Bill of Material (BoM)) for CAPEX and OPEX will be finalized based on which milestone wise payments will be made to the agency.

On receipt of the Performance Bank Guarantee, Authority or the agency designated by Authority shall enter into a contract with the successful bidder. The Contract Agreement is provided in RFP as Annexure 16 and NDA is provided in Annexure 17.

## 7.3 Performance Bank Guarantee

### 7.3.1

A. Within ten (10) working days from the date of issuance of Work Order, the successful Bidder shall at his own expense furnish an irrevocable and unconditional **guarantee from a bank (Performance Security) as per Annexure -5** to the Authority, for an amount equal to 5% (five percent) of the total contract price. In case of the bids mentioned below, the successful bidder, along with the Performance Security, shall also furnish to the Authority, an irrevocable and unconditional guarantee from a bank in the same form as per Annexure 5 towards an Additional Performance Security. The Additional Performance Security for an amount calculated under:

a) If the contract price, offered by the Selected Bidder is lower than 10% but upto 20% of the estimated project cost, then the additional Performance Security shall be calculated @20% of the difference in the (i) Estimated Project Cost – Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected bidder.

b) If the contract Price offered by the Selected Bidder is lower than 20% of Estimated Project Cost, then the Additional Performance Security shall be calculated @30% of the difference in the (i) Estimated Project Cost – Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected bidder.

c) This Additional Performance Security shall be treated as part of the Performance Security.

B. The Performance Security shall be valid beyond 60 (sixty) days after the end date of Contract and the Additional Performance Security shall be valid beyond 28 (twenty eight) days of the Project Completion Date .

### 7.3.2

If the performance Security is provided by the successful bidder in the form of a Bank Guarantee, it shall be issued either (a) at the bidder's option, by a Nationalized / scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Authority. As per GoG Finance Department's circular no. FD / MSM / e-file / 4 / 2023/ 0057 / D.M.O date 21/04/2023 or as per their latest amendment.

### 7.3.3

Failure of the successful bidder to comply the requirement of Sub-Clause 7.3.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the bid security / EMD. PBG shall be invoked by Authority, in the event the Bidder:

- fails to meet the overall penalty condition as mentioned in RFP or any changes agreed between the parties,
- fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority,
- Misrepresents facts/information submitted to Authority.

### 7.3.4

The performance bank guarantee may be discharged/returned by Authority upon being satisfied that there has been due performance of the obligations of the bidder under the contract and issuance of completion certificate by the authority. However, no interest shall be payable on the performance bank guarantee.

In the event of the Bidder being unable to service the contract for whatever reason(s), Authority shall have the right to invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of Authority under the contract in the matter, the proceeds of the PBG shall be payable to Authority as compensation for any loss resulting from the bidder's failure to perform/comply its obligations under the contract.

Authority shall notify the bidder in writing of the exercise of its right to receive such compensation within 40 days, indicating the contractual obligation(s) for which the bidder is in default. Authority shall also be entitled to make recoveries from the bidder's bills, performance bank guarantee, or from any other amount due to him, an equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

In case the project is delayed beyond the project schedule as mentioned in RFP, the performance bank guarantee shall be accordingly extended by the Bidder till completion of extended period.

On satisfactory performance and completion of the order in all respects and duly certified to this effect by the Project Coordinator, Contract Completion Certificate shall be issued and the Performance Security and Additional Performance Security would be returned to the Bidder.

## **8. Scope of Work**

### **8.1 Components and Services overview**

The System Integrator (SI) shall be responsible for the Supply, Installation, Testing, and Commissioning (SITC) of the Adaptive Traffic Control System (ATCS) along with Traffic Enforcement System (TES – RLVD & ANPR) at three (3) identified traffic junctions under Gandhinagar Municipal Corporation (GMC).

The scope also includes warranty and comprehensive Operations & Maintenance (O&M) for the deployed systems for 5 years post Go Live.

The SI shall carry out the following activities prior to implementation:

- Assess existing junction layout, traffic movement patterns, signal infrastructure, power availability, and communication feasibility at the identified junctions.
- Conduct detailed site surveys to identify preparatory works such as civil, electrical, and networking requirements.
- Obtain all necessary site clearances and coordinate with concerned departments for smooth execution.

### **8.2 Indicative list of locations**

Indicative list of locations is provided in Annexure-26 of this RFP.

### **8.3 Design, Supply, Installation, and Commissioning of Field Infrastructure**

The SI shall design, supply, install, test, and commission all field-level components required for ATCS and TES operation, including but not limited to:

- Traffic signal light aspects and signal heads, countdown timers, stop man and walk man Adaptive traffic controllers
- Vehicle detector cameras for traffic sensing
- Enforcement cameras for Red Light Violation Detection (RLVD)
- Automatic Number Plate Recognition (ANPR) cameras
- Field switches, junction boxes, passive components, and accessories
- Execution of necessary civil works for foundations, trenching, and restoration.
- Establishment of network connectivity at field locations
- Setup and installation of necessary poles, provision of power to the system, and related networking and civil works.
- Installation of Industrial Grade Switches, establishment of network infrastructure at field locations, junction boxes, and other necessary components for network communication and power management.

### **8.4 Provisioning of Hardware and Software Infrastructure at Centralized Location**

- Design, supply, and install the IT Infrastructure required for the Centralized Location, including:

- Establish Network / LAN / WAN connectivity and ensuring alignment with applications for ATCS, TES and VMS
- Establish network connections between field locations and centralized location
- Provision of Servers, Storage as per requirement

## **8.5 Comprehensive Operations and Maintenance:**

- Deliver Comprehensive Operations and Maintenance (O&M) services for all installed systems, including both IT and Non-IT infrastructure for a period of 5 years post-Go-Live.
- GMC may adopt a solution-wise or phase-wise Go-Live approach depending on project conditions and SI recommendations

## **8.6 Warranty and Comprehensive Annual Maintenance:**

Warranty and Comprehensive Annual Maintenance includes periodic maintenance services for the software, hardware and other IT infrastructure installed as part of project for a period of 5 years post GO Live.

All IT and Non IT components must have Warranty for 5 years

## **8.7 Firmware & Software Upgrades**

The agency shall provide firmware updates for all devices for the entire duration of contract. Regular version upgrades, security patches and feature updates to be done in the entire contract period.

## **8.8 Capacity Building and Training**

Capacity Building for GMC and GMC which includes preparation of operational manuals, training documents and capacity building support, including:

- a. Training of the city authorities and Centralized location operators on operationalization of the system
  - b. Preparation and implementation of the information security policy, including policies on backup and redundancy plan
  - c. Developing standard operating procedures for operations management and other technical services to be rendered by centralized location
  - d. Preparation of system documents, user manuals, performance manuals, etc.
- Agency shall prepare and submit detailed Training Plan and Training Manuals to Authority/authorized entity for review and approval
  - Appropriate training shall be carried out as per the User Training Plan prepared in detail stating the number of training sessions to be held per batch of trainees, course work for the training program, coursework delivery methodologies and evaluation methodologies in detail.

- Agency shall conduct end user training and ensure that the training module holistically covers all the details around hardware and system applications expected to be used on a daily basis to run the system.
- Agency shall impart operational and technical training to internal users on solutions being implemented to allow them to effectively and efficiently use the deployed system
- Agency shall prepare the solution specific training manuals and submit the same to Authority for review and approval. Training Manuals, operation procedures, visual help-kit etc. shall be provided in English language.
- Agency shall provide training to selected staff of the Authority covering functional, technical aspects, usage and implementation of the products and solutions.
- Agency shall ensure that all concerned personnel receive regular training sessions, from time to time, as and when required. Refresher training sessions shall be conducted on a regular basis.
- Agency shall update training manuals, procedures manual, deployment/Installation guides etc. on a regular basis (Quarterly/ Biannual) to reflect the latest changes to the solutions implemented and new developments.
- Training sessions and workshops shall comprise of presentations, demonstrations and hands-on mandatorily for the application modules.
- Agency will be providing knowledge transfer/Training/Support and handholding to the Authority/Agency of systems/solutions implemented by agency after their contract period without any additional cost.
- Agency shall also conduct during O&M phase
  - Refresher Trainings
  - Functional/Operational training and IT basics for operators
  - Refresher courses on System Administration
  - Change Management programs

## **8.9 Operation and Maintenance**

Operations and Maintenance services for the software, hardware and other IT and Non-IT infrastructure installed as part of the project after Go-Live and 5 years after implementation or Go-Live. Warranty period of the product supplied under project i.e hardware, software, IT/Non-IT etc., will be considered after Go-Live of components.

## **8.10 Preparation and implementation of the Information Security Policy, including policies on backup**

The agency shall prepare the Information Security Policy for the overall Project and the same would be reviewed and then finalized by GMC. The Security policy needs to be submitted by the Agency within 1st quarter of the successful Final Acceptance Tests.

## **8.11 Responsibility Matrix**

R/A – Responsible / Accountable

C – Consulted

I – Informed

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Key Activities	Successful Bidder	GM C	Network Vendors	Electricity Providers	Other Utilities	Other Departments
<b>Project Inception Stage</b>							
1	Project Kick Off	R/A	C	I	I	I	I
2	Deployment of manpower	R/A	C	I	I	I	I
<b>Requirement Phase</b>							
3	Assess the requirement of IT Infrastructure and Non IT Infrastructure	R/A	C	C	C	C	C
4	Assessment of Business processes	R/A	C	I	I	I	C
5	Assessment of requirement of Software requirements	R/A	C	I	I	I	C
6	Assess the connectivity requirement all locations (including Building)	R/A	C	C	I	I	C
7	Assessment the Network laying requirement	C	C	R/A	I	I	C
8	Assessment of training requirement	R/A	C	C	I	I	C
<b>Design Phase</b>							
9	Formulation of Solution Architecture	R/A	C	C	I	I	C
10	Creation of Detail Drawing	R/A	C	C	I	I	C
11	Detailed Design of Solution	R/A	C	C	I	I	C
12	Development of test cases	R/A	C	C	I	I	C
13	Preparation of final bill of quantity and material	R/A	C	C	I	I	C

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Key Activities	Successful Bidder	GM C	Network Vendors	Electricity Providers	Other Utilities	Other Departments
14	SoP preparation	R/A	C	C	C	C	C
<b>Development Phase</b>							
15	Physical Infrastructure setup	R/A	C	I	I	I	C
16	Procurement of Equipment , edge devices, Software, Licenses	R/A	C	I	I	I	C
17	IT and Non IT Infrastructure Installation	R/A	C	I	I	I	C
18	Development, Testing and Production environment setup	R/A	C	I	I	I	C
19	Software Application customization (if any)	R/A	C	I	I	I	C
20	Data Migration (if any)	R/A	C	I	I	I	C
21	Unit and User Acceptance Testing	R/A	C	I	I	I	C
22	Implementation of Solutions	R/A	C	I	I	I	C
23	Preparation of User Manuals , training curriculum and training materials	R/A	C	I	I	I	C
24	Role based training(s)	R/A	C	I	I	I	C
<b>Go -Live</b>							
25	GO Live	R/A	C	I	I	I	C
<b>Operation and Maintenance</b>							
26	Operation and Maintenance of IT, Non IT infrastructure and Applications	R/A	C	I	I	I	C

#	Key Activities	Successful Bidder	GMC	Network Vendors	Electricity Providers	Other Utilities	Other Departments
27	SLA and Performance Monitoring	R/A	C	I	I	I	C
28	Logging, tracking and resolution of issues.	R/A	C	I	I	I	C
29	Application Development	R/A	C	I	I	I	C
30	Patch & Version Updates	R/A	C	I	I	I	C

**Note:** All decisions will be taken by GMC which will be abided by all the stakeholders in the above matrix. The roles of the stakeholders shall change over a period of time as the project will evolve from design to implementation and enter the operations phase and Agency will have to keep updating the RACI matrix

### 8.12 Use Cases

The Agency needs to develop multiple use cases which would be applicable under ATCS and TES. From time to time, agency needs to revise the use cases / develop new use cases.

### 8.13 Work Completion Timelines and Project Deliverables

The payment schedule and milestones are divided into two phases:

- i. Implementation Phase
- ii. Operations and Maintenance Phase

Based on the site feasibility and project survey report submitted by bidder, an approved commercial (BoM) for CAPEX and OPEX will be finalized based on which milestone wise payments will be made to the agency.

#### Milestones and Payment Schedule for Implementation Phase (subject to submission and approval of deliverables)

Milestones	Payment Milestones for the Implementation % Payment of Time Schedule Phase	Payment Schedule	Time Schedule
M1	Submission of 1. Project Inception Report, 2. Resource Deployment Plan, 3. Risks Identified and Mitigation strategy	NA	Work Order + 7 Days

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

<b>Milestones</b>	<b>Payment Milestones for the Implementation % Payment of Time Schedule Phase</b>	<b>Payment Schedule</b>	<b>Time Schedule</b>
M2	Submission of 1. Project Plan, 2. Manpower Attendance report	NA	Work Order + 15 Days
M3	Submission of 1. Project Survey Report, 2. Manpower Attendance report 3. FRS 4. SRS 5. Final BoM 6. System architecture diagram, 7. Junction-specific signal design plan 8. Data Flow Diagram	20% of value (Approved Capex Commercial)	Work Order + 1 month
M4	Deliver the hardware, and software components, with all necessary documents, Manpower Attendance report submission	25% of value (Approved Capex Commercial)	Work Order + 2 Months
M5	Installation of hardware and software components, Establishment of Network Connectivity. (Installation reports, and any other reports as instructed by GMC), Manpower Attendance report submission	30% of value (Approved Capex Commercial)	Work Order + 3 Months
M6	Submission of Functional Testing by Agency and submission of Performance Testing by Agency Bandwidth Testing Report at field location and centralized location Final UAT of installed components (Final UAT reports after actions taken on observations), Manpower Attendance report submission	15% of value (Approved Capex Commercial)	Work Order + 4 months
M7	Security audit, training, SOPs, Use cases and all necessary documentation hand over and Go-live (Agency needs to request GMC for Go Live certificate post submission of Final Security Audit report by CERT IN empaneled agency and provision of necessary trainings to officials and other stakeholder. GMC will verify the same and post submission of all documentations as would be necessary, GO Live will be	10% of value (Approved Capex Commercial) on Go-live	Work Order + 5 months

<b>Milestones</b>	<b>Payment Milestones for the Implementation % Payment of Time Schedule Phase</b>	<b>Payment Schedule</b>	<b>Time Schedule</b>
	issued to agency after ensuring that solution and components are properly working). Manpower Attendance report submission		

### **Milestones and Payment Schedule for Operation and Maintenance Phase (OPEX Cost)**

<b>Payment Milestones</b>	<b>Payment Schedule</b>
Year 1 Payment for O&M after Go-Live	Equated Quarterly Payments
Year 2 Payment for O&M afterGo-Live	Equated Quarterly Payment
Year 3 Payment for O&M after Go-Live	Equated Quarterly Payment
Year 4 Payment for O&M after Go-Live	Equated Quarterly Payment
Year 5 Payment for O&M after Go-Live	Equated Quarterly Payment

- Payment of Operations and Maintenance phase will be made on quarterly basis (at completion of each quarter) based on the adherence to SLA, for the amount quoted for each respective year.
- The payment shall be inclusive of Goods and Services Tax, Duties/Fees, Levies, Charges and Commissions as applicable under the relevant Local Laws or Laws of India. Should there be a change in such applicable taxes/levies/charges, the actual taxes/levies/charges on the date of billing would prevail.
- The Authority will release the payment within 45 days of submission of valid invoice subject to the condition that invoice and all supporting documents produced are in order and work is performed to the satisfaction of GMC. The Authority shall be entitled to delay or withhold the payment of any invoice or part of it delivered by agency, where it disputes such invoice or part of it provided that such a dispute is bonafide. The disputed amount shall be settled in resolution of dispute. No interest will be payable on delayed payments.

## **9. Detailed Scope of Work**

## 9.1 Requirement Phase

The SI shall carry out a **comprehensive requirement analysis and site survey** at the 3 identified ATCS junctions for ATCS and TES systems' SITC.

Key activities include:

- Validation of junction-specific functional and technical requirements with GMC and Traffic Police.
- Documentation of **Functional Requirement Specification (FRS)** and **System Requirement Specification (SRS)** for the ATCS and TES solution.
- Field survey of each junction to capture details of existing signal poles, cabling, cameras, and available power sources.
- Assessment of reuse potential for existing infrastructure (poles, cables, and accessories) to optimize cost.
- The agency will be responsible to coordinate with Power DISCOMs (Torrent Power / UGVCL) and other stakeholders for supply of power at the junctions. The recurrent electrical charges will be borne by GMC.

## 9.2 Design & Solution Finalization Phase

The SI shall design the Adaptive Traffic Control System and Traffic Enforcement System (RLVD and ANPR) for 3 junctions in line with international best practices and local traffic patterns.

The design shall include:

- System architecture diagram showing controller, communication network, sensors, and centralized location connectivity.
- Junction-specific signal design plan with phase diagrams, sensor placement, and adaptive cycle timing logic.
- Defining data flow, APIs, and dashboards.
- GIS mapping of junctions for visualization within centralized monitoring system.
- Hardware and software Bill of Material (BoM) with specifications and interconnectivity details.

## 9.3 Deployment & Integration Phase

The SI shall deploy the ATCS and TES solution at 3 junctions

Activities include:

- Supply, installation, configuration, and calibration of all items in finalized BoM
- All hardwares, software, applications, server and storage to be in the name of Gandhinagar Municipal Corporation.
- Delivery charges to be borne by the agency. Agency to have proper insurance of all items supplied under the project. Delivery to be done at the location specified by GMC. There should be no defect / damage in delivered components. In case of any defects / damage, agency will bear the cost of replacement.

- In case there is mismatch in the components delivered in terms of make and model or specifications, then agency will need to carry out immediate replacement. Cost for the same will be borne by the agency. Such replacements should not affect project timelines.
- Inventory management / Asset management and dead stock register maintenance is the responsibility of the agency throughout the contract period. GMC reserves the right to get the items audited / verified at any time during the contract duration. Any issues noticed, needs to be resolved by the agency at its own cost.
- Configuration of adaptive algorithms for dynamic cycle optimization.
- Configuration of ATCS, TES and VMS application at Centralized Location along with Servers and Storage for monitoring and management of ATCS and TES system.
- Testing of interoperability between ATCS and TES field devices and their native applications at centralized locations.
- Installation reports to be provided by the agency for all components installed under the project at field location and centralized location. Installation report to include details of all components like make and model, serial numbers, location, GEO tagging details like Latitude and Longitude, photographs of equipment installed. In case of software applications, URL along with credentials to be submitted.

#### **9.4 Testing & Acceptance, Training**

The SI shall conduct the following:

- Functional testing of all ATCS and TES components along with their applications, network, servers and storage.
- Performance testing of all ATCS and TES components along with their applications, network, servers and storage
- User acceptance testing (UAT) with participation from GMC and Traffic Police.
- Training of all concerned officials of GMC and Traffic Police.
- Integration with existing E-Challan system of GoI/ GoG i.e ONOC in coordination with NIC and Police Department. Necessary API creation, communication and coordination will be the responsibility of the agency.
- Security audit of all applications, server and storage to be conducted at agency's own cost through a CERT-IN empanelled agency. Final Security Audit to be submitted to GMC before issuance of GO Live certificate.

#### **9.5 Operations & Maintenance (O&M) Phase**

After commissioning, the SI shall provide comprehensive O&M services for a period of 5 years covering hardware, software, and communication network.

Scope includes:

- Continuous monitoring and maintenance of all components and sub components of ATCS, TES, network, servers, storage, applications
- Remote health monitoring / SLA monitoring through monitoring tool to be provided by agency under the project at no cost to GMC.
- Preventive and corrective maintenance should be conducted as per SLA.

- Preventive maintenance must be conducted by the agency every quarter and location wise report to be submitted to GMC.
- Replacement/repair of faulty components within defined resolution timelines.
- Monthly / Quarterly performance reports covering uptime, incidents, and response actions.

## **9.6 Documentation & Handover**

The SI shall prepare and hand over the following documents:

- System Architecture and Design Document
- As-built Drawings of each junction
- Installation Reports, Test Reports and UAT Sign-offs
- Operations & Maintenance Manuals
- Training Materials for GMC and Police staff
- Paper Licenses for all softwares in the name of Gandhinagar Municipal Corporation.
- Any other document / report as instructed by GMC during the project lifecycle for time to time.
- SOPs and Use Cases.

## **10. Detailed O&M Scope**

### **10.1 Operations and Maintenance**

Agency shall provide the following services during O&M Phase of the project

- Basic Infrastructure Services
- Network Monitoring Services
- Integration Testing
- Vendor Management Services
- Network Management
- Physical Infrastructure Management and Maintenance Services

#### **10.1.1 Exit Management**

In case of project closure / termination / expiry of contract, the SI shall ensure smooth transition by:

- Exit Plan to be submitted by agency to GMC
- Handing over all project related assets, source code, configurations, and documentation to GMC.
- Supporting GMC or its replacement SI during the transition period.
- Ensuring continuity of operations until successful handover.
- Payment during the exit period will be made to the agency as per payment terms under O&M phase.
- Exit Management Period and Support from agency will be for a minimum 1 month period or for period as agreed mutually between GMC and the Agency. Authority's decision in this regard will be final.

### **10.1.2 Cooperation and Provision of Information**

During the exit management period:

- The Agency will allow the GMC or its nominated agency access to information reasonably required to define the then current mode of operation associated with the provision of the services to enable the GMC to assess the existing services being delivered;
- Promptly on reasonable request by the GMC, the Agency shall provide access to and copies of all information held or controlled by them which they have prepared or maintained in accordance with this agreement relating to any material aspect of the services (whether provided by the Agency or sub-contractors appointed by the Agency). The GMC shall be entitled to copy of all such information. Such information shall include details pertaining to the services rendered and other performance data. The Agency shall permit the GMC or its nominated agencies to have reasonable access to its employees and facilities, to understand the methods of delivery of the services employed by the Agency and to assist appropriate knowledge transfer.

### **10.1.3 Confidential Information, Security and Data**

- The Agency will promptly on the commencement of the exit management period supply to the GMC or its nominated agency the following:
  - information relating to the current services rendered and customer and performance data relating to the performance of sub-contractors in relation to the services;
  - documentation relating to Intellectual Property Rights;
  - documentation relating to sub-contractors;
  - all current and updated data as is reasonably required for purposes of GMC or its nominated agencies transitioning the services to its Replacement Agency in a readily available format;
  - all other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable GMC or its nominated agencies, or its Replacement Agency to carry out due diligence in order to transition the provision of the Services to GMC or its nominated agencies, or its Replacement Agency (as the case may be).
- Before the expiry of the exit management period, the Agency shall deliver to the GMC or its nominated agency all new or up-dated materials from the categories set out in Schedule above and shall not retain any copies thereof, except that the Agency shall be permitted to retain one copy of such materials for archival purposes only.

### **10.1.4 Transfer of Certain Agreements**

On request by the GMC or its nominated agency the Agency shall effect such assignments, transfers, licenses and sub-licenses to GMC, or its Replacement Agency in relation to any equipment lease, maintenance or service provision agreement between Agency and third party lessors, vendors, and which are related to the services and reasonably necessary for the carrying out of replacement services by the GMC or its nominated agency or its Replacement Agency.

### 10.1.5 Compliance to Standards & Certifications

For a large and complex set up such as the Project, it is imperative that the highest standards applicable are adhered to. In this context, the Agency will ensure that the entire Project is developed in compliance with the applicable standards.

During project duration, the Agency will ensure adherence to prescribed standards as provided below:

S No.	Component/Application /System	Prescribed Standard
1.	Information Security	ISO 27001
2.	IT Infrastructure Management	ITIL specifications
3.	Service Management	ISO 20000 specifications
4.	Project Documentation	IEEE/ISO/CMMi (where applicable) specifications for documentation

- Apart from the above the Agency need to ensure compliance of the project with Government of India IT security guidelines including provisions of:
  - The Information Technology Act, 2000” and amendments thereof and
  - Guidelines and advisories for information security published by Cert-In/DeitY (Government of India) issued till the date of publishing of tender notice. Periodic changes in these guidelines during project duration need to be complied with.
- If applicable, while writing the source code for application modules the Agency should ensure high-quality documentation standards to improve the readability of the software module. An illustrative list of comments that each module contained within the source file should be preceded by is outlined below:
  - The name of the module
  - The date when module was created
  - A description of what the module does
  - A list of the calling arguments, their types, and brief explanations of what they do
  - A list of required files and/or database tables needed by the module
  - Error codes/Exceptions
  - Operating System (OS) specific assumptions
  - A list of locally defined variables, their types, and how they are used
  - Modification history indicating who made modifications, when the modifications were made, and what was done.
- Apart from the above, if applicable, Agency needs to follow appropriate coding standards and guidelines inclusive of but not limited to the following while writing the source code -
  - Proper and consistent indentation
  - Inline comments

- Structured programming
  - Meaningful variable names
  - Appropriate spacing
  - Declaration of variable names
  - Meaningful error messages
- Quality Audits
    - GMC, at its discretion, may also engage independent auditors to audit any/some/all standards/processes. The Agency shall support all such audits as per calendar agreed in advance. The result of the audit shall be shared with the Agency who has to provide an effective action plan for mitigations of observations/non-compliances, if any and also submit Action Taken Reports to GMC.

#### **10.1.6 Implementation, Operations and Services & Maintenance of New Junctions and End Points**

In case the Authority desires to set up the new Junction points or end points with cameras for the deployment of any of the end point utilities, the charges shall be paid to the Successful Bidder as per the unit price quoted in the price bid. The Complete setup including supply of additional hardware, software installation, commissioning will have to be done by the successful bidder during the contract period. After implementation of the said location, Operation, Services and maintenance of new Junctions/utilities will be applicable at the quoted unit rate of operation, service and maintenance as per the rate as defined in this bid.

Any such new Junctions locations will have to include into the main system and treated as an existing node and the O&M will also form part of this project.

Thereafter any such locations shall be treated as part of the project and will be monitored under the same SLA's as defined for this project.

#### **10.1.7 License Metering / Management**

The Agency shall track software usage throughout the IT setup so as to effectively manage the risk of unauthorized usage or under-licensing of software installed at the GMC centralized location. This may be carried out through the use of standard license metering tools. The same would be under bidder's scope without additional cost to GMC. Successful bidder shall keep the record of all the software licenses and track software usage throughout the IT setup so as to effectively manage the risk of effective usage of software's. The Successful Bidder shall avoid the unauthorized usage of Licensed Software. In the event of any claim asserted by Third Party of Infringement of Copyright, Patent or Trademark arising from the use of IT components or software, the Successful Bidder shall be entirely responsible to extinguish such a claim. If the successful bidder fails to comply and the Authority is required to pay the compensation to the Third Party resulting from such infringement, the Successful Bidder shall be responsible for the compensation including all expenses, court costs and lawyer fees.

## 10.2 Service level Agreement

### 10.2.1 SLAs during CAPEX Phase

This section defines the minimum service levels to be maintained by the Selected Agency during the CAPEX Phase and Operations & Maintenance (O&M) period. The SLA will be monitored by Gandhinagar Municipal Corporation through periodic reports, system dashboards, and audits.

Failure to meet the SLAs shall attract penalties as defined under this section.

The following table shows SLAs shall be used to evaluate the timelines for completion of deliverables till Go-Live.

### 10.2.2 Penalty during CAPEX Phase

Definition	Timely delivery of deliverables would comprise entire bill of material and the application systems, and as per successful UAT of the same.
Service Level Requirement	All the deliverables defined in the contract has to be submitted on-time on the date as mentioned in the contract with no delay.
Measurement of Service Level Parameter	To be measured in number of weeks of delay from the timelines mentioned in the RFP
Penalty for Non achievement of SLA Requirement	Any delay in the delivery of the project deliverables (solely attributable to vendor) would attract a liquidated damage per week of 0.5% of the CAPEX of approved commercial value (for CAPEX) per week for first 8 weeks and 0.7% per week for every subsequent week.  If the liquidated damage / Penalty reaches 10% of the total contract value, GMC may invoke termination clause.

### 10.2.3 SLAs during O&M Phase

#### SLA for Partial/Full damage to hardware

- Hardware installed through this Project would become an important public asset. During the contract period of the Project the BIDDER shall be required to repair / replace any equipment if stolen / damaged/faulty. Appropriate insurance cover must be provided to all the equipment supplied under this project.
- In case of Partial/ Full damage or loss of the equipment (hardware) due to reasons beyond the control like Theft, intentional damage by mishandling, Fire etc., the BIDDER should be in a position to supply working standby equipment with same configuration or higher with all services restored. If the BIDDER does not provide standby equipment, the penalties for breakdown as per SLAs will be imposed.

- Service Engineers/ Representatives of BIDDER shall invariably carry their identity cards with them, without which they will not be allowed to access department Systems. Service Engineers of the BIDDER shall have access to the Computer Systems/ Backup Solution only after obtaining clearance from department authorized officials. No component of the System/ data/ log information will be taken out of department premises without clearance from authorized Officials of the department.

Sr No	Uptime SLA (Monthly)	Penalty Clause
1	Uptime >= 98%	No Deduction
2	Uptime < 98%	(98% - Uptime %) of Monthly Operational Expense for the specific component.

**NOTE:**

- Planned downtime (during non-working hours) is not considered for penalty calculation. The vendor will have to take at least 3 days prior permission from the Department for the planned downtime.
- The penalty shall be calculated on a monthly basis, and it would be the responsibility of the successful selected agency to provide the tool for monitoring of the Software SLAs. Due to any Force Majeure or any genuine reason not in bidder's control, if a delay or any variation occurs in the timeline, the bidder must inform the Department prior, and post verification and acceptance by the department in such cases, the penalty will not be applicable.
- Any incident raised by authority through various communication channels like email / whatsapp / letter / over phone / verbal interaction with regard to failure of component must be recorded by the agency and closure of the incident must be informed to authority with incident raised date and time and incident closed date and time.
- Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

**SLA for Software Support**

Any software bug identified by the department will be classified into types:

- Critical: Having a bearing on the day-to-day functioning of the respective system/availability of the application (full functionality or part functionality) for the Department and end users.
- Non-critical: Not having a bearing on the day-to-day functioning of the respective system.
- In case of a dispute between the Department and the Agency with respect to the classification of bugs as Critical or Non-Critical, the decision of the department shall be final and binding on the successful bidder.
- Resolution time & the penalty component for bug fixing is given below (applicable on a 24/7 basis):

Sr No	Parameter	Resolution Time	Penalty Amount
-------	-----------	-----------------	----------------

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

1	Critical	24 hours	Rs. 500/- per hour beyond 24 hours, and Rs. 1000/- per hour beyond 72 hours.
2	Non- Critical	5 working Days	Rs. 500/- per day beyond 5 days, and Rs. 1000/- per day beyond 7 days.

**Note: -**

- Planned downtime (during non-working hours) is not considered for penalty calculation. The vendor will have to take at least 3 days prior permission from the Department for the planned downtime.
- The penalty shall be calculated on a monthly basis, and it would be the responsibility of the successful selected agency to provide the tool for monitoring of the Software SLAs without any additional cost to GMC and provide monthly reports generated through this tool to GMC for measurement of Service Level Parameters of all softwares. Due to any Force Majeure or any genuine reason not in bidder's control, if a delay or any variation occurs in the timeline, the bidder must inform the Department prior, and post verification and acceptance by the department in such cases, the penalty will not be applicable.
- The successful bidder will have to maintain strict privacy and confidentiality of all the data its employees gets access to. Adequate provisions must be made to not allow unrestricted access to the data to people in the organization who do not have necessary permissions. A penalty of Rs. 1,00,000/- would be charged on default of this service condition for each occurrence.
- In case of three consecutive monthly deductions totaling to more than 10% of the applicable payment for the specific softwares, authority reserves the right to terminate the contract.
- Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

**Operation & Maintenance**

Availability of required application, server, storage, network, hardware & software

During the Operation & Management period the implementing bidder is expected to keep the Technology and Performance levels above the specified level. It will be the responsibility of the implementing bidder to make available the necessary hardware & design and code the software to ensure application is measurable in terms of uptime and performance.

Sr No	Service level parameter	Baseline Metric	Penalty	Basis for measurement
1	Uptime	>99%	For an uptime as an average of all components, below 99%, 0.5% of the total OPEX cost for the	The measurement of the service availability will be based on the reports generated

			<p>respective month will be imposed as penalty for every additional percentage of downtime.                  Note: The uptime average will be rounded up for decimal values equal to or above 0.5 and rounded down for decimal values below 0.5 to arrive at the final average uptime for a particular month.</p>	<p>through Network monitoring tools. This tool needs to be supplied by agency at no cost to GMC and monthly reports to be shared with GMC for measurement of Service level Parameters of all Components.</p>
--	--	--	---	--

Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

### **Issue Management Procedures**

#### **General**

- This process provides an appropriate management structure for the orderly consideration and resolution of business and operational issues in the event that quick consensus is not reached between Authority and Bidder.
- Implementing such a process at the beginning of the outsourcing engagement significantly improves the probability of successful issue resolution. It is expected that this pre-defined process shall only be used on an exception basis if issues are not resolved at lower management levels.

#### **Issue Management Process**

- Either Authority or Agency may raise an issue by documenting the business or technical problem, which presents a reasonably objective summary of both points of view and identifies specific points of disagreement with possible solutions.
- Any unresolved issues/disputes concerning the Project/Contract between the Parties shall first be referred in writing to the Project Manager for his consideration and resolution. If the Project Manager is unable to resolve any issue/dispute within 5 days of reference to them, the Project Manager shall refer the matter to the Program Management Committee. If the Program Management Committee is unable to resolve the issues/disputes referred to them within 15 days the unresolved issue/dispute shall be referred to Steering Committee/high powered Committee/Project Implementation Committee for resolution. The Steering Committee within 30 days of reference to them shall try to resolve the issue/dispute.
- If the Steering Committee fails to resolve a dispute as per the above clause, the same shall be referred to arbitration. The arbitration proceedings shall be carried out as per the Arbitration procedures mentioned in Clause 18 of this section of RFP

## 11. Requirement Specifications

### 11.1 Adaptive Traffic Controlling System

#	Building Blocks	Bidder Compliance
1	Traffic Signal Controller	
2	Vehicle Detectors	
3	Communication Network	
4	Software Application	

#### 11.1.1 Traffic Signal Controller

#	Description	Bidder Compliance (Yes/No)
	Functional Requirement	
1	The Traffic Signal Controller equipment is a 32 bit or 64-bit microcontroller with solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases and junction groups. The controller will ideally have a conflict monitoring facility to ensure that conflicting, dangerous are pre-flagged at the programming stage and these are disallowed even during manual override phase.	
2	The Traffic Signal Controller will be adaptive so that it can be controlled through the central traffic control center as an individual junction or as part of group of traffic junctions along a corridor or a region. The signal controller design must be flexible for the junction could be easily configured to be part of any corridor or group definition and could be changed through central command controller easily	
3	Site specific configuration data shall be stored in a non-volatile memory device (FLASH memory) easily programmable at the site through keypad or laptop. A minimum of 512KB flash memory and 128KB RAM shall be provided. Volatile memory shall not be used for storing the junction specific plans or signal timings.	
4	All timings generated within a traffic signal controller shall be digitally derived from a crystal clock which shall be accurate to plus or minus 100 milliseconds.	
5	The controller shall provide a real time clock (RTC) with battery backup The RTC shall have minimum of 5 years battery backup with maximum time tolerance of +/- 2 sec per day.	
6	The controller shall have the facility to update the RTC time from ATCS server, and through manual entry.	
7	The traffic signal system including controller shall have provision for audio output tones and should be disabled friendly.	
8	The controller shall be capable of communicating with the	

#	Description	Bidder Compliance (Yes/No)
	ATCS server through Ethernet on a managed leased line network or any other appropriate stable communication network.	

### 11.1.2 Police Panel

The controller shall provide the following facilities in a separate panel with provision for lock and key arrangements for use by the Traffic Police.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Four Hurry Call switches: The Hurry Call mode will provide the means to force the controller to a defined stage, without violating safety clearances. A preemption input may be used to demand the Hurry Call mode to give right of way to emergency vehicles. It should be possible to configure the Hurry Call switches to any stage as per site requirements.		
2	One Forced Flash Switch: Activation of this switch should force the signal to Flashing Amber / Flashing Red.		
3	One Auto / Manual Switch: Activation of this switch should enable manual operation of the controller. Deactivation of the manual switch shall continue from the current stage without interruption.		
4	One Manual Advance Pushbutton Switch: In manual operation mode, the stages appear in the sequence specified in the signal plan timetable. Activating the pushbutton switch shall terminate the currently running stage and start the next.		
5	One Junction OFF Switch: Activating this switch should put OFF all signal lamps. On deactivation of the switch the traffic signal controller shall resume its normal operation.		

### 11.1.3 Mode of Operations

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Fixed Time: In fixed time (pre-timed) mode the traffic signal controller shall execute stage timings according to the site-specific timetable maintained in the traffic signal controller FLASH memory. Inputs from vehicle detectors shall be ignored in this mode and no preemption shall be made on any stage. Cycle time remains constant in every cycle execution for a given time period.		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Description	Bidder Compliance (Yes/No)	Remarks if any
2	<p>Vehicle Actuation with All Stages Preemption: In the vehicle actuation with all stages preemption mode, the traffic signal controller shall execute stage timings as per demand from vehicle detectors within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time stored in the traffic signal controller FLASH memory. Preemption shall be possible for all demand actuated stages. Cycle time may vary in every cycle execution.</p>		
3	<p>Semi-Actuation: In the semi-actuation mode, the traffic signal controller shall execute stage timings in the vehicle actuated stages as per demand from vehicle detectors within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time stored in the traffic signal controller FLASH memory. All other stages shall execute the Maximum green time configured for the stage. Preemption shall be possible for all demand actuated stages. Cycle time may vary in every cycle execution.</p>		
4	<p>Stage Skipping: The traffic signal controller shall not execute the stage enabled for skipping when there is no vehicle demand registered for the stage till clearance amber time of the previous stage.</p>		
5	<p>Transit Signal Priority (TSP) for BRT buses: The traffic signal controller shall provide transit signal priority for buses in dedicated lane to ensure minimum stop delay at the intersection, without violating safety clearances.</p>		
6	<p>Vehicle Actuation with Fixed Cycle length: In vehicle actuation with fixed cycle length mode, the traffic signal controller shall execute stage timings as per demand from vehicle detectors within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time shall be maintained constant during a given timeslot. Preemption for all demand actuated stages except for Priority Stage shall be possible.</p>		
7	<p>Full ATCS (FATCS): In FATCS mode, the traffic signal controller shall execute stage timings as per demand within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time specified by the Central Computer during every cycle switching. Preemption for all demand actuated stages except Priority Stage shall be possible in this mode. The traffic signal controller shall identify a communication failure with the central computer within a specified time period. In such an event the signal plan timings shall be executed from the local timetable stored in the traffic signal controller FLASH memory. Fallback mode of the traffic signal controller shall be vehicle actuated. On restoration of the communication with central computer the traffic signal controller shall automatically resort to FATCS mode.</p>		

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	<p>The traffic signal controller shall accept commands for remote selection / de-selection of the following from the Central Computer at ICCC.</p> <p>Hurry Call Flashing Amber / Flashing Red Junction Off</p> <p>If not reverted to the normal operation within the time period listed below, the traffic signal controllers shall timeout the commands and operate normally</p> <p>Hurry Call – 5 Minutes Flashing Amber / Flashing Red – 30 Minutes Junction Off – 30 Minutes</p> <p>The traffic signal controller shall report the following to the Central Computer through the communication network every cycle or on an event as appropriate.</p> <p>Green time exercised for each approach (stage preemption timing) against the Green running period set for the approach by the Central Computer Mode of Operation Lamp failure, if any Output short circuit, if any Detector failure, if any</p>		

#### 11.1.4 Traffic Signal Controller Operating Parameters

The controller shall have facility to configure 32 Phases either for vehicular movement, filter green, indicative green, pedestrian movement or a combination thereof.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	It shall be possible to operate the filter green (turning right signal) along with a vehicular phase. The filter green signal shall flash for a time period equal to the clearance amber period at timeout when operated with a vehicular phase.		
2	The pedestrian phase signal shall be configured for flashing red or flashing green aspect during pedestrian clearance.		
3	It shall be possible to configure any phase to the given lamp numbers at the site.		
4	Stages – The controller shall have facility to configure 32 Stages		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Description	Bidder Compliance (Yes/No)	Remarks if any
5	Cycle Plans – The controller shall have facility to configure 24 Cycle Plans and the Amber Flashing / Red Flashing plan. It shall be possible to define different stage switching sequences in different cycle plans. The controller shall have the capability for a minimum of 32 cycle-switching per day in fixed mode of operation.		
6	Day Plans – The controller shall have facility to configure each day of the week with different day plans. It shall also be possible to set any of the day plans to any day of the week. The controller shall have the capability to configure 20day plans.		
7	Special Day Plans – The controller shall have facility to configure a minimum of 20 days as special days in a calendar year.		
8	Starting Amber – During power up the controller shall initially execute the Flashing Amber / Flashing Red plan for a time period of 3 Seconds to 10 Seconds. The default value of this Starting Amber is 5 Seconds. Facility shall be available to configure the time period of Starting Amber within the given limits at the site.		
9	Inter-green – Normally the inter-green period formed by the clearance amber and red extension period will be common for all stages. However, the controller shall have a facility to program individual inter-green period from 3 Seconds to 10 Seconds.		
10	Minimum Green – The controller shall allow programming the Minimum Green period from 5 Seconds to 10 Seconds without violating the safety clearances. It should not be possible to preempt the Minimum Green once the stage starts commencing execution.		
11	All Red – Immediately after the Starting Amber all the approaches should be given red signal for a few seconds before allowing any right of way, as a safety measure. The controller shall have programmability of 3 Seconds to 10 Seconds for All Red signal.		
12	Signal lamps monitoring – The controller shall have inbuilt circuitry to monitor the lamp status		
13	Green – Green Conflict Monitoring – The controller shall have a facility to list all conflicting phases at an intersection. The controller should not allow programming of these conflicting phases in a Stage. A hardware failure leading to a conflict condition (due to faulty devices or short circuit in the output) shall force the signal into Flashing Amber / Flashing Red.		
14	Cable less Synchronization – It shall be possible to synchronize the traffic signal controllers installed in a corridor in the following modes of operation, without		

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	physically linking them and without communication network. GPS enabled RTC shall be the reference for the cable less synchronization.		
15	Fixed Time mode with fixed offsets		
16	Vehicle Actuated mode with fixed offsets		

### 11.1.5 Input and Output facilities

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Lamp Switching: The controller shall have maximum 64 individual outputs for signal lamp switching, configurable from 16 to 32 lamps. The signal lamps shall be operating on appropriate DC/AC voltage of applicable rating		
2	Detector Interface: A minimum of 16 vehicle detector inputs shall be available in the controller.		
3	Communication Interface: The traffic signal controller shall support Ethernet interface to communicate with the ATCS server		
4	Power Saving: The traffic signal controller shall have a facility to regulate the intensity of signal lamps during different ambient light conditions thereby saving energy.		
5	Real-time Clock (RTC): The GPS receiver for updating time, date and day of the week information of the traffic signal controller should be an integral part of the traffic signal controller.		
6	The traffic signal controller shall update the date, time and day of the week automatically from GPS during power ON and at scheduled intervals.		
7	Manual entry for date, time and day of week shall be provisioned for setting the traffic signal controller RTC (Real Time Clock).		
8	It shall be possible to set the RTC from the Central Server when networked		
9	Keypad (optional): The traffic signal controller shall have a custom-made keypad or should have provision for plan upload and download using PC/laptop/Central Server		
10	Operator Display (optional): The traffic signal controller shall optionally have a LED backlit Liquid Crystal Display (LCD) as the operator interface.		

### 11.2 Camera based Vehicle Detector

The detector equipment is a separate logic unit, which may be integrated into the controller, or alternatively mounted in its own housing. The outputs of the detectors indicate the presence of vehicles and are used to influence the operation of the traffic signal controller and shall generate counts, demands and extensions for right-of-way. Means shall be provided so that a detector may be connected to demand and / or extend a phase movement as specified.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	The agency shall clearly specify the placement of the detector (upstream, downstream, stop-line, exit etc.) for independent straight and right turn signals.		
2	The detector shall be able to count vehicles in non-lane based mixed traffic flow conditions. The accuracy of counts shall be bigger than 90% over all light and weather conditions. The contractor shall clearly specify how this is accomplished.		
3	The agency shall give an estimate of the total number of vehicle presence detection zones and vehicle detectors required and the type of detection system recommended.		
4	A detector that does not change its status at least once during a stage execution shall be notified to the Central Computer (in ATCS mode) at the termination of the associated stage.		

### 11.3 Countdown Timer

Countdown Timers shall be installed at each traffic junction under ATCS System Project.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Count Down Timer to be configured in Vehicular Mode.		
2	The Vehicular countdown timer should be dual color: <ul style="list-style-type: none"> <li>▪ Red for Stop</li> <li>▪ Green color for Go</li> </ul>		
3	There should be alternate Red and Balance phase time for STOP or STP in Flashing		
4	Alternate Green and Balance Phase Time for Go in Flashing		
5	The proposed Countdown Timer and the ATCS Controller shall be from the same OEM.		

### 11.4 Communication Network

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Function of the Communication network is for remote monitoring of the intersection and its management. Real time data (like RTC time, stage timing, mode, events, etc.) from the traffic signal controller is required to be sent to the Central Computer at centralized location. Central Computer running the ATCS application shall calculate and send optimum signal timings to all intersections in the corridor. The entire networking (at field and from field to centralized location) to meet the project requirements will be the responsibility of the agency. No additional cost in this regard will be borne by GMC.		

### 11.5 ATCS Software Application

Objective of the ATCS is to minimize the stops and delays in a road network to decrease the travel time with the help of state-of-the-art technology. The adaptive traffic control system shall operate in real time with the capacity to calculate the optimal cycle times, effective green time ratios, and change intervals for all system traffic signal controllers connected to it. These calculations will be based up on assessments carried out by the ATCS application software running on a Central Computer based on the data and information gathered by vehicle detectors at strategic locations at the intersections controlled by the system.

The ATCS application software shall do the following:

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	<b>Functional Requirement</b>		
1	Identify the critical junction of a corridor or a region based on maximum traffic demand and saturation.		
2	The critical junction cycle time shall be used as the group cycle time i.e., cycle time common to all intersection in that corridor or region.		
3	Stage optimization to the best level of service shall be carried out based on the traffic demand.		
4	Cycle optimization shall be carried out by increasing or decreasing the common corridor cycle time based on the traffic demand within the constraints of Minimum and Maximum designed value of cycle time.		
5	Offset correction shall be carried out to minimize number of stops and delays along the corridor for the priority route. Offset deviation measured using distance and speed between successive intersections shall be corrected within 5 cycles at a tolerance of +/- 5		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	seconds maximum.		
6	The system shall have provision to configure priority for upstream signals as default. The ATCS software shall continuously check the traffic demand for upstream and downstream traffic and automatically assign the priority route to the higher demand direction.		
7	Develop appropriate stage timing plans for each approach of every intersection under the ATCS, based on real time demand		
8	Propose timing plans to every intersection under the ATCS in every Cycle		
9	Verify the effectiveness of the proposed timing plans in every cycle		
10	Identify Priority routes		
11	Synchronize traffic in the Priority routes		
12	Manage and maintain communication with traffic signal controllers under ATCS		
13	Maintain database for time plan execution and system performance		
14	Maintain error logs and system logs		
15	Generate Reports on request		
16	Graphically present signal plan execution and traffic flow at the intersection on desktop		
17	Graphically present time-space diagram for selected corridors on desktop		
18	Graphically present network status on desktop		
19	Make available the network status and report viewing on Web		
20	The ATCS shall generate standard and custom reports for planning and analysis		
21	Shall have the ability to smartly manage the traffic pattern across the signals over the next few minutes, hours and just in the current real time.		
22	Shall provide a decision support tool for assessing strategies to minimize congestion, delays and emergency response time to events via simulation and planning tools liked with real time traffic data fusion and control of traffic signaling infrastructure on ground.		
23	Shall collect continuously information about current observed traffic conditions from a variety of data sources and of different kind (traffic states, signal states, vehicle trajectories, incidents, road works, ...)		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Description	Bidder Compliance (Yes/No)	Remarks if any
24	Shall infer a coherent and comprehensive observed traffic state (speeds, vehicular densities, and presence of queues) on all network elements, from abovementioned observations, including vehicle trajectories, through a number of map matching, data validation, harmonization and fusion processes		
25	Shall extend the measurements made on only a number of elements both on the rest of the unmonitored network, and over time, thus obtaining an estimation of the traffic state of the complete network and the evolution of this traffic state in the future		
26	Shall forecast the traffic state with respect to current incidents and traffic management strategies (e.g. traffic signal control or variable message signs), improving the decision making capabilities of the operators even before problems occur		
27	Shall calculate customizable Key Performance Indicators (KPI) to quickly assess the results		
28	Shall provide calculated traffic flows estimation and forecast, queues and delays to Urban Control and Adaptive Signal Control Systems, allowing for proactive Traffic Management and Control		
29	Shall generate alerts to the operator that trigger on customizable conditions in the network (starting with simple drops in flow, up to total queue lengths along emission sensitive roads surpassing a definable threshold)		
30	Shall distribute both collected and calculated traffic information via a variety of communication protocols and channels, ensuring high interoperability degree and thus acting as a “traffic data and information hub”		
31	Shall create a traffic data warehouse for all historic traffic information gathered from the hardware installed on the road network.		
32	Shall operate in real time that is continuously updating the estimates on the state of the network and the travel times on the basis of data collected continuously over time.		
33	Shall operate the traffic lights with the adaptive traffic controls, based on the current traffic demand and the current incidents, thus optimizing the green waves continuously throughout the network		
34	Enable a smart public transport priority respecting the delays for all road users at once with the adaptive signal controller		

### 11.5.1 Reports

System shall generate Corridor based and Intersection based reports. The application software shall generate the following reports, but not limited to the below. All the reports shall be possible for selected dates.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	Intersection based reports		
2	Stage Timing report – The report shall give details of time at which every stage change has taken place. The report shall show the stage sequence, stage timings and stage saturation of all stages of all cycles for a day. The saturation is defined as the ratio between the available stage timings to the actual stage timing executed by the traffic signal controller for the stage (stage preemption time).		
3	Cycle Timing report – The report shall give details of time at which every cycle has taken place. The report shall show the cycle sequence and cycle timings for all the cycles in a day.		
4	Stage switching report – The report shall give details of time at which a stage switching has taken place. The report shall show the stage sequence, stage timings and stage saturation for a day.		
5	Cycle Time switching report – The report shall give details of time at which a cycle switching has taken place. The report shall show the cycle sequence and cycle timings for the cycle in a day.		
6	Mode switching report – The report shall give details of the mode switching taken place on a day.		
7	Event Report - The report shall show events generated by the controller with date and time of event.		
8	Power on & down: The report shall show time when the master is switched on, and last working time of the master controller.		
9	Intensity Change – The report shall show the brightness of the signal lamp is changed according to the light intensity either manually through keypad or automatically by LDR with time stamp.		
10	Plan Change – The report shall show the time of change of plan either through keypad or remotely through a PC or Server.		
11	RTC Failure – The report shall show the time when RTC battery level goes below the threshold value.		
12	Time Update – The report shall show the time when the Master controller updated its time either manually through		

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	keypad, automatically by GPS or through remote server.		
13	Mode Change – The report shall show the time when Master controller’s operating mode is changed either manually through keypad or a remote server. The typical modes are FIXED, FULL VA SPLIT, FULL VA CYCLE, FLASH, LAMP OFF and HURRY CALL.		
14	Lamp Status Report – The report shall show lamp failure report with date and time of failure, colour of the lamp and associated phase		
15	Loop Failure Report – The report shall show the date and time of detector failure with detector number and associated phase.		
16	Conflict – The report shall show the conflict between lamps (RED, AMBER, GREEN) in the same phase or conflict between lamps with another phase.		
17	Corridor Performance Report – The report shall show the saturation of all the intersections in a corridor for every cycle executed for the corridor and the average corridor saturation for a day		
18	Corridor Cycle Time Report – The report shall show the Corridor cycle time, Intersection cycle time, Mode of operation and degree of saturation of all the intersections in a corridor for every cycle for a day		

### 11.5.2 Graphical User Interface

The application software shall have the following Graphical User Interface (GUI) for user friendliness.

#	Description	Bidder Compliance (Yes/No)	Remarks if any
1	User login – Operator authentication shall be verified at this screen with login name and password		
2	Network Status Display – This online display shall indicate with appropriate colour coding on site map whether an intersection under the ATCS is online or off. On double clicking the intersection a link shall be activated for the traffic flow display for the intersection.		
3	Traffic Flow Display – This online display shall indicate the current traffic flow with animated arrows, mode of operation, stage number being executed and elapsed stage		

#	Description	Bidder Compliance (Yes/No)	Remarks if any
	time.		
4	Saturation Snapshot – This display shall show the current saturation levels of all intersections in a corridor.		
5	Reports Printing / Viewing – This link shall allow selection, viewing and printing of different reports available under ATCS		
6	Time-Space Diagram – The time-space diagram shall display the current stages being executed at every intersection in a corridor with immediate previous history.		
7	Junctions shall be plotted proportional to their distance on Y-axis and time elapsed for the stage in seconds on X-axis.		
8	Junction names shall be identified with each plot.		
9	Facility shall be available to plot the time-space diagram from history.		
10	Currently running stage and completed stages shall be identified with different colours.		
11	Stages identified for synchronization shall be shown in a different colour.		
12	Speed lines shall be plotted for stages identified for synchronization to the nearest intersection in both directions.		
13	It should be possible to freeze and resume online plotting of Time-Space diagram.		
14	The system shall have other graphical interfaces for configuring the ATCS, as appropriate.		

### 11.5.3 ATCS Software Application

#	Specification	Description	Bidder Compliance (Yes/No)	Remarks if any
1	OGC Standards	Should support WMS, WFS, WCS, WMTS for web map publishing		
2	Performance	Should have optimized rendering engine for fast web map delivery		
3	Supported OS	Should support Windows, Linux, macOS		
4	Authentication & Security	Supports basic authentication and integration with external security services.		
5	Customization	Extendable through Python scripting and server-side configuration		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Specification	Description	Bidder Compliance (Yes/No)	Remarks if any
6	Supported formats	Vector (SHP, GeoJSON, KML, GPKG, etc.), Raster (GeoTIFF, PNG, JPEG, ECW, etc.)		
7	Print Layouts	Exposes print layouts as web-based print services		
8	Data Support	Supports raster (GeoTIFF, NetCDF, JPEG2000) and vector (Shapefile, GeoJSON, PostGIS, etc.) data		
9	Editing Tools	Allows direct editing of vector data, attribute tables, and geoprocessing operations.		
10	Spatial Databases	Seamless integration with PostgreSQL/PostGIS, SpatiaLite, MySQL, and Oracle Spatial.		
11	Web Server	Apache/Nginx		
12	Web Server OS	Ubuntu 20.04+, Debian 11+, Windows (Docker)		
13	Plugins	Extend functionality using Python-based plugins		
14	Cartography & Styling	Advanced symbology, labeling, and print layouts		
15	Python Scripting	PyQGIS framework allows automation and customization		
16	Interoperability	Reads and writes following file formats: Vector: .shp, .shx, .dbf, .gpkg, .geojson, .kml, .kmz, PostgreSQL database, SQLite, .gml, .dxf, .csv, .gpx, .tab, .mif, .mid, .fgb <b>Raster:</b> .tif, .tiff, .jp2, .png, .jpg, .asc, .nc, .img <b>3D &amp; LiDAR:</b> .las, .laz, .ply, .obj		

### 11.6 1 KVA UPS

Sr No	Parameter	Specification	Compliance (Yes/No)
1	Rating	1 KVA or as per sizing of the load (Whichever is higher)	
2	Technology	IGBT based True Online	
3	Input System	Single Phase & Earth Ground	
4	Input Voltage Range	160-270 VAC	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

5	Input Frequency	46 Hz to 54 Hz	
6	Power Factor	>0.97 (over entire range)	
7	Output System	Single Phase & Earth Ground	
8	Rated Voltage	220 / 230 / 240 VAC	
9	Output Frequency	50 Hz +/- 0.2 Hz. (free running)	
10	Output Voltage Regulation	1% or lower	
11	THDi	Harmonic distortion: <=5%> (Non Linear Load). <=3% ( Linear load)	
12	Overload Capacity	Inverter Mode - 105% - 130% to bypass after 1 min.; 150% to bypass after 30 secs. Battery Mode - 105% - 130% shutdown after 10 secs.; 150% shutdown after 5 secs	
13	Efficiency (AC to AC)	90% or Higher (Battery & Mains Mode)	
14	Crest Factor	3:1 or better	
15	Batteries Voltage	Min. 3200 VAH (Two Hour back-up)	
16	Battery	Sealed Maintenance Free Batteries	
17	Interface Port(s)	SNMP	
18	LCD Display	LCD Settable Data: Inverter voltage, frequency, bypass, Information for Load / Battery / Input / Output and Operating Mode, Temperature	
19	Audible Alarm	Actively Audible alarm for Utility Failed / Battery Low/ Overload Condition	
20	Noise Level	< 45dB	
21	Operations Temp.	0-40° C	
22	Relative Humidity	0-95% Humidity, Non - Condensing	
23	Operating Elevation	1,000 Meters	
24	Certification	ISO, BIS & CE / EMC / Safety & RoHS	

## 11.7 Traffic enforcement system

### 11.7.1 RLVD Evidence Camera

Sl. No.	Parameters	Specification	Compliance (Yes / No)
1	Image Sensor	1/3" or 1/2.9" Progressive Scan CMOS	
2	Minimum Illumination	Color: ≤ 0.01 Lux @ F1.6; B/W: ≤ 0.001 Lux; IR On: 0 Lux	
3	Effective Pixels	2MP (1920 × 1080) or Higher	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl. No.	Parameters	Specification	Compliance (Yes / No)
4	Shutter Speed	Auto/Manual, 1/5s ~ 1/10,000s	
6	White Balance	Auto, Outdoor, Manual	
7	Lens	2.8mm-12mm	
8	Gain Control (AGC)	Auto	
9	Lens Type	Motorized/Manual Focus	
10	Lens Mount	φ14	
11	Close Focus Distance	0.8 Mtr.	
12	Back Light Compensation	Required	
13	High Light Compensation	Required	
14	Wide Dynamic Range	120dB	
15	Video Format	PAL/NTSC	
16	Video Compression	H.265, H.264, or better	
18	Frame Rate	25 FPS	
20	Bit Rate	H.264: 32 kbps-6144 kbps, H.265: 32 kbps-6144 kbps	
21	Noise Reduction	3D DNR	
22	Image Stabilization	Electronic Image Stabilization (EIS)	
23	Motion detection	OFF/ON (4 areas, Rectangular) or better	
24	Privacy Masking	4 Areas or better	
29	Audio Compression	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G.722.1 or better	
31	Alarm IN	1 channels in	
32	Alarm Out	1 channel out	
33	OSD	Camera title, Date & Time	
34	Protocol	SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP V1/ V2/ V3/, TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSP, ONVIF (Profile S, Profile G, Profile T), unicast, multicast	
36	SDK and API	Support	
37	Ethernet	RJ-45 (10/100Base-T)	
38	Day/Night	Auto(ICR)/Color/B/W	
39	Alarm Event	tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection	
40	Cyber Security	AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, video encryption, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot.	
41	User/Host	5 or better	
42	Mirror Function	Support	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl. No.	Parameters	Specification	Compliance (Yes / No)
43	Storage	SFTP/NAS/Mirco SD card support 256GB or better	
44	IR Distance	50 Mtr. or better	
45	Image Rotation	0°/90°/180°/270°	
46	Defog	Required	
47	Scene Self-adaptation (SSA)	Required	
48	Weatherproof Standard	IP66	
49	Operating Temperature	0 °C to +60 °C or better	
50	Operating Humidity	≤95% RH, non-condensing	
53	Power Source	12 VDC/PoE 802.3af	
54	Power Consumption	Min. 1.6W @ 12 VDC, 3.3 W @ PoE Max. 9.6W @ 12 VDC, 11.9W @ PoE	
55	Casing	Metal	

### 11.7.2 ANPR Camera

S. No.	Parameter	Minimum Specification / Requirement	Bidder's Compliance Yes / No
1	Video Compression	H.265 / HEVC or better	
2	Video Resolution	Minimum 2 MP or better	
3	Frame Rate	≥ 25 FPS @ 2 MP	
4	Operating Frequency	50 Hz	
5	Image Sensor	1/2.8" Progressive Scan CMOS or better	
6	Lens Type	Mount Varifocal Lens	
7	Lens Range	Approx. 5 mm – 50 mm (or equivalent suitable for ANPR capture)	
8	Electronic Shutter	1 sec to 1/100,000 sec or better	
9	Multiple Video Streams	Minimum 4 concurrent streams,	
10	Minimum Illumination	Color: ≤ 0.005 lux; B/W: ≤ 0.002 lux	
11	Day / Night	True Day/Night with Auto IR-Cut Filter	
12	S/N Ratio	≥ 55 dB	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

<b>S. No.</b>	<b>Parameter</b>	<b>Minimum Specification / Requirement</b>	<b>Bidder's Compliance Yes / No</b>
13	Wide Dynamic Range	True WDR $\geq$ 120 dB	
14	Image Enhancement & Control	BLC, HLC, 3D DNR, Defog, ROI, EIS, Remote Focus, Auto Back Focus, Profile Scheduling, Timestamp & Camera ID Overlay	
15	Privacy Masking	Minimum 2 configurable zones	
16	Audio	Full Duplex, G.711/G.726, Line In / Line Out (optional)	
18	Network Protocols	IPv4/IPv6, TCP/IP, UDP, DHCP, RTP/RTSP/RTCP, HTTP/HTTPS, FTP, SMTP, DNS, NTP, SNMP, Multicast	
19	ONVIF Compliance	ONVIF Profile S, G & T	
20	Security Features	Password protection, HTTPS, IP filtering, user access logs, IEEE 802.1X	
21	Intelligent Video Analytics	Motion Detection, Camera Tamper, Line Crossing, Intrusion, Object Left/Removed, Human & Vehicle Detection	
22	ANPR Capability	High-accuracy license plate capture under day/night conditions and varying speeds	
23	Event Triggers	Motion, Tampering, Digital Input, SD Card Error	
24	Event Actions	Alarm Output, Email, FTP/HTTP Upload, SD Card Recording	
25	Alarm I/O	Minimum 1 DI & 1 DO	
26	Network Interface	RJ-45, 10/100 Mbps Ethernet	
27	Operating Conditions	Suitable for outdoor Indian city environments	
28	Humidity	10% – 95% RH (Condensing)	
29	Heater & Fan	Integrated heater and fan in housing	
30	Housing	Outdoor rated IP66/IP67,	
31	Power Supply	PoE (IEEE 802.3af / 802.3at) and 12V DC / 24V AC	

S. No.	Parameter	Minimum Specification / Requirement	Bidder's Compliance Yes / No
32	IR Illumination	External IR illuminator, $\geq 100$ m range (as per site requirements)	

### 11.7.3 8 port Switch

Sr No	Parameters	Specifications	Compliance (Yes / No)
1	Ports	8 $\times$ 10/100 Mbps RJ45 (PoE or Non- PoE), 2 $\times$ 1G SFP Uplink Ports	
2	Port Type	Auto-negotiation, Auto MDI/MDIX	
3	Switching Capacity	$\geq 10$ Gbps	
4	Packet Forwarding Rate	$\geq 7.44$ Mpps	
5	MAC Address Table	$\geq 4K$ entries	
6	Buffer Memory	$\geq 1$ Mbit	
7	VLAN Support	IEEE 802.1Q VLAN, up to 256 VLANs	
8	QoS	4 Priority Queues, IEEE 802.1p/DSCP	
9	PoE (Optional Variant)	IEEE 802.3af/at on 8 ports, 15.4W/30W per port, total PoE budget $\geq 120W$	
10	Management	Web GUI, CLI (via Telnet/SSH), SNMP v1/v2/v3, RMON, Syslog	
11	Protocols Supported	STP, RSTP, IGMP Snooping, DHCP Snooping, LLDP, Static Routing (Basic)	
12	Security Features	Port Security, MAC Filtering, Storm Control, IEEE 802.1x	
13	Protection Features	ESD $\geq 6kV$ , Surge $\geq 6kV$ , Short Circuit Protection	
14	Enclosure Type	Fanless, IP30-rated Metal Enclosure	
15	Mounting	DIN Rail & Wall Mountable	
16	Operating Temperature	-10°C to +60°C	
17	Storage Temperature	-10°C to +60°C	
18	Humidity	5%-95% RH, non-condensing	
19	Redundancy	Support for Ring Topology (ERPS or similar), <20ms recovery	
20	Power Supply	Redundant DC Input 24-57V or AC Adapter (External)	
21	MTBF	$\geq 100,000$ Hours	
22	Certification	CE/FCC/BIS	

### 11.7.4 Video Management System (Unified AI supported VMS)

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
1	System Compatibility & Browser Access	The system should operate on industry-standard hardware and storage solutions	
2		The system should be accessible via modern web browsers (optimal performance on Google Chrome)	
3		The system should support ONVIF profiles S, G, T, and M	
4		The system should be GPU acceleration supported (NVIDIA and Intel integrated graphics)	
5	Architecture & Infrastructure	The system should support single-server and federated multi-server deployments	
6		The system should enable real-time surveillance across multiple remote locations	
7		The system should have centralized data backup supported from distributed sites	
8		The system should support high availability with auto-recovery and fault tolerance mechanisms	
9		The system should support scalable disaster recovery with configurable failover logic	
10		The system should support native integration with cloud-based S3 object storage	
11		The system should support redundant master-master architecture for seamless data sync	
12		The system should have NTP support for time synchronization and accurate event timestamps	
13	Deployment Flexibility	The system shall be deployable on-premises, in the cloud, or in hybrid models	
14		The system should support centralized monitoring for multi-site installations	
16	Security Protocols	The system should support SSO integration during final deployment	
17		The system shall support TLS 1.3 for all encrypted data transmissions to ensure secure communication.	
18		All video data shall be encrypted at rest, and exported video data shall be embedded with	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
		digital watermarking to ensure authenticity and prevent tampering.	
19		All third-party integrations shall be facilitated through secure APIs over HTTPS, ensuring encrypted and authenticated communication.	
20		The system shall implement end-to-end encryption to safeguard data integrity and confidentiality, effectively preventing tampering and unauthorized access or data breaches.	
21		The system shall be VAPT (Vulnerability Assessment and Penetration Testing) certified by a CERT-IN empaneled agency to ensure robust security posture against potential threats and vulnerabilities.	
22	Live Monitoring & Playback	The system shall support unlimited user accounts and camera integrations without any restrictions on scalability or concurrent usage.	
24		The system shall provide a customizable video matrix and sequencing interface, allowing users to configure camera layouts and define dynamic dwell times per feed for flexible monitoring.	
25		The system shall support multi-monitor setups, enabling independent camera views and layouts to be displayed and controlled across multiple screens for enhanced situational awareness.	
26		The system shall enable simultaneous display of live and playback video feeds within a unified user interface, allowing users to monitor real-time activity while reviewing historical footage.	
27		The system shall support synchronized multi-camera playback, enabling users to reconstruct events accurately by viewing footage from multiple angles in parallel, aligned to a common timeline.	
28		The system shall support multiple video streams per camera (e.g., primary and secondary streams) to optimize bandwidth	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
		usage and enable adaptive streaming based on display requirements.	
29		The system shall support adaptive bitrate streaming, with or without transcoding, to ensure optimal video quality and performance based on available network bandwidth and device capabilities.	
30		The system shall support multicast-enabled streaming to enable efficient video distribution across networks, reducing bandwidth consumption in large-scale deployments.	
31		The system shall support automatic matrix switching based on real-time event triggers or bookmarked incidents, enabling dynamic display of relevant camera feeds for immediate situational response.	
32		The system shall provide full playback controls, including variable speed (fast-forward, slow motion), frame-by-frame navigation, and timeline-based scrubbing for efficient review of recorded footage.	
34		The system shall allow users to digitally zoom into live video feeds and capture high-resolution snapshots directly from the live view interface for quick documentation and evidence collection.	
35		The system shall provide PTZ (Pan-Tilt-Zoom) camera control with role-based access permissions, ensuring only authorized users can operate or override PTZ functionalities.	
36		The system shall include a dedicated media player for archived footage, offering advanced playback controls, timeline navigation, and export options for efficient review and investigation of recorded video.	
37		The system should support following export formats: MP4, AVI, MJPG, AVF (with frame rate & encryption options)	
38		The system should support following export image formats: JPG, PNG, BMP, TIF, GIF	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
39		The system should support following compression formats supported: H.264, H.265, H.265+, MJPEG, ZipStream	
40		The system should support batch export using video cart feature	
41		The system shall support export of recording and event logs in encrypted and digitally watermarked formats to ensure data integrity, authenticity, and secure external sharing.	
42		The system shall maintain comprehensive recording logs, including user actions and system events, which shall be exportable in spreadsheet-compatible formats such as CSV or XLSX for auditing and reporting purposes.	
43		The system shall support dynamic switching between software and hardware decoders based on system resource availability and performance requirements, ensuring optimal video decoding efficiency.	
44		The system shall support printing of captured snapshots along with analyst annotations and associated metadata (such as timestamp, camera ID, and location) for documentation and evidentiary purposes.	
45		The system shall support transcoding of video streams to ensure optimized playback across a variety of devices, adapting resolution, format, and bitrate based on device capabilities and network conditions.	
46		The system should support event review via thumbnail previews	
47		Geospatial Map Integration	The system shall support integration with GIS platforms and multi-layered maps, enabling geospatial visualization of cameras, events, and analytics data for enhanced situational awareness and operational planning.
48	The system shall allow users to access both live and recorded video feeds directly from the map interface by interacting with camera or event icons, enabling intuitive spatial navigation and rapid incident response.		
49	The system shall display real-time alerts on the map interface, with visual indicators tied		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
		to the geographic location of the triggering camera or sensor	
50		The system shall allow assignment of specific map views to individual monitors in a multi-screen setup, enabling distributed situational monitoring and customized operational layouts.	
51	Data Management & Recovery	The system shall be compatible with various storage architectures, including local disks, Direct-Attached Storage (DAS), Network-Attached Storage (NAS), and Storage Area Networks (SAN), to support flexible and scalable video data retention.	
52		The system shall support tiered storage architecture with configurable, camera-specific retention policies	
53		The system shall support Disaster Recovery (DR) through a Data Center–Disaster Recovery (DC-DR) configuration, ensuring high availability, data redundancy, and business continuity in the event of a primary site failure.	
54		The system shall support scheduled recordings with rule-based configurations, allowing users to define recording schedules based on time, events, or specific conditions	
55		The system shall support both manual and automated recording triggers	
56		The system shall support ONVIF Profile G to enable access, playback, and retrieval of recorded video from edge storage such as SD cards on compatible IP cameras.	
57		The system shall support FIFO (First-In, First-Out) purging mechanisms along with configurable retention policies to manage storage efficiently while ensuring compliance with data retention requirements.	
58		The system shall support motion and event-based recording triggers	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
59		The system shall generate real-time alerts for storage-related events, including high storage consumption thresholds, disk failures, or disconnection of storage devices, to ensure proactive maintenance and data integrity	
60	User Access Management	The system shall support role-based access control (RBAC) with the ability to define custom user groups, enabling granular permission management based on organizational roles and responsibilities.	
61		The system shall support granular access permissions at both feature and camera levels, allowing administrators to control user access to specific functionalities	
62		The system shall allow configuration of user-specific camera restrictions	
63		The system shall support device and IP-based access control	
64		The system shall maintain comprehensive audit trails of all user activities, including login attempts, configuration changes, video access, and administrative actions	
65	Event Notification & Escalation	The system shall support alert notifications via SMS, WhatsApp, and Email, subject to necessary integrations	
66		The system shall allow configuration of recipient groups and escalation paths for alert notifications, ensuring timely and hierarchical dissemination of critical information based on severity levels or response protocols.	
67		The system shall support incident tagging and alert handover functionalities from both live and historical views, enabling seamless tracking, annotation, and transfer of responsibility across users or shifts for effective incident management.	
68	System Health Monitoring	The system shall provide a centralized dashboard for system-wide monitoring, offering real-time visibility into device status, alerts, storage health, and user activity across all connected sites.	

Sl No	Section	Specification	Bidder's Compliance (Yes / No)
69		The system dashboard shall display key operational metrics, including camera uptime, resolution, frame rate, recording status, and bandwidth usage, to enable comprehensive performance monitoring and diagnostics.	
70		The system shall generate real-time alerts for performance degradation and system issues, such as camera disconnection, recording failures, high CPU/memory usage, and network instability, to ensure timely detection and resolution.	
71		The system shall include integrated ticketing functionality, enabling users to generate support tickets with attached screenshots, diagnostic data, and contextual metadata	
72		The system shall display live status indicators for each camera, providing real-time visual cues (e.g., active, disconnected, recording error) to facilitate rapid identification and resolution of issues.	
73		The system shall support both push and pull integrations using universal protocols (such as REST APIs, MQTT, or WebSockets)	
74	Third-Party Integration	The system shall integrate seamlessly with command center platforms	
75		The system shall offer RESTful and WebSocket APIs to facilitate robust, real-time third-party integrations, supporting both synchronous and asynchronous data exchange.	
76	Client Application Specifications	Web-based client accessible via modern browsers (Google Chrome, Firefox, Edge)	

### 11.7.5 Red Light Violation Detection System

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
1	Automatic Traffic Violation Detection	The system shall utilize non-intrusive sensor technology to automatically detect the following traffic violations: 1. Red Light Violation 2. Stop Line Violation	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
2	Red Light Detection	<p>The system shall support either any methods for detecting red light status:</p> <ol style="list-style-type: none"> <li>1. Signal Feed Integration: Directly using the signal feed from the traffic signal controller.</li> <li>2. Video Analytics: Employing an Evidence Camera focused on the traffic signal. The Evidence Camera shall also generate photographic evidence of violations.</li> </ol>	
3	Simultaneous Multi-Vehicle Detection	<p>The system shall be capable of detecting multiple infracting vehicles simultaneously across different lanes on each approach at any point in time. The following data shall be recorded for each detected violation:</p> <ol style="list-style-type: none"> <li>1. Type of Violation: Red Light Violation or Stop Line Violation.</li> <li>2. Date, Time, and Location: Including site name and geographical coordinates.</li> <li>3. Vehicle Registration Number: Identified using an Automatic Number Plate Recognition (ANPR) camera system.</li> </ol>	
4	Evidence Generation	<p>The system shall record digitized evidence of each violation, meeting the following requirements:</p> <ol style="list-style-type: none"> <li>1. Wide-Angle View: Captures the violating vehicle in context, showing its position relative to the stop line and the current state of the traffic signal (Red/Green/Amber).</li> <li>2. Proof of Violation: <ol style="list-style-type: none"> <li>a. Vehicle violating the stop line.</li> <li>b. Vehicle crossing during a red light.</li> </ol> </li> <li>3. Close-Up Image: Provides a clear, readable patch of the</li> </ol>	

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
		vehicle's registration number for court evidence.	
5	Serial and Simultaneous Detection	The system shall detect: 1. All vehicles infracting simultaneously in each lane or approach at a junction. 2. Vehicles infract one after another sequentially in the same lane.	
6	Evidence Image Requirements	The system-generated evidence image shall: 1. Be wide enough to depict the exact position of infracting vehicles with respect to the stop line. 2. Clearly show the color of the traffic light at the moment of infraction, even if the traffic light color is reported by other means.	
7	RLVD Software Accuracy	The supplied Red Light Violation Detection (RLVD) software shall meet the following accuracy standards: 1. Daytime Success Rate: 95% or higher. 2. Nighttime Success Rate: 90% or higher with standard license plates. 3. Overall Accuracy: 95% or higher.	
8	Integration with 3 <sup>rd</sup> Party Database	RLVD Platform should be capable of integrating with Vaahan, NIC , MORTH or any other database as required.	

### 11.7.6 Automatic Number Plate Recognition System

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
1	Software application	The ANPR Application shall be an enterprise class, IP-enabled security and safety software solution capable to run fully over the Unified Video Intelligence Platform.	
2	Accuracy	The automatic number plate recognition Software will be part of the supplied system. For the first 3 months the accuracy should be between minimum 80%-85%, for the next 3 months, minimum- 90%-95% and then the overall accuracy rate of ANPR will be taken as 95% or better (for both day and night time)	
3	Algorithm	ANPR System should be able to leverage the latest AI Deep learning technology for localisation of number plates and should be able to localise different type, skewed and rotated number plates. ANPR systems should use the RNN or LSTM based architecture for context based OCR.	
4	Real-Time Performance	ANPR application shall demonstrate real-time processing capability, with a processing time of less than 100 milliseconds per frame on standard hardware.  Optimise algorithms for parallelization and efficient resource utilisation to enable deployment on edge devices and embedded systems.	
5	Data Protection	The ANPR Application shall allow the user to Protect a Read or Hit from deletion for a configurable period of time.	
6	User Correction	The ANPR Application shall allow the user to correct a Plate Read manually.	
7	Hotlist Creation	The ANPR Application shall present the user with a Simple Wizard for Hotlist creation.  The ANPR Application shall allow the user to create a Hotlist without the need for any attribute information other than license plate number.  The ANPR Application shall allow the user	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
		to search the configured hotlists for any data in any of the specified fields.	
8	Hotlist Report	The ANPR Application shall allow the user to generate a read report specifically targeted to those reads that generated a hit.	
9	Map Support	The ANPR Application shall allow for map-based viewing of real-time read monitoring. This feature should be made available with integration with the Video Intelligence Application.	
10	Partial search	The ANPR Application shall allow the user to search for full or partial license plate numbers.	
11	Wildcard Search	The ANPR Application shall allow the user to search for a license plate by using wildcards.	
12	Hotlist download	The ANPR Application shall allow the user to automate downloading Hotlists from a FTP/SFTP or HTTP/HTTPS server using username/password/certificate authentication.	
13	Number plate missing detection	The system should be able to detect if there is any vehicle in the camera view without a properly installed number plate or no number plate at all .	
14	Report Management	The ANPR Application shall allow the user to customise the format of the Reports displayed on-screen. This feature should be made available with integration with the Video Intelligence Platform.  Reporting, including creating custom report templates and incident reports.	
15	Communication	The ANPR Application shall be an IP enabled solution. All communication between the SSM and ANPR Application shall be based on standard TCP/IP protocol and shall use TLS encryption with	

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
		digital certificates to secure the communication channel.	
16	Central database	The ANPR Application shall manage the central database that contains all the system information and component configuration of the ANPR Application.	
17	Day 1 Support for Protection against database failure	The ANPR Application shall have support with redundancy feature for protection against any potential database server failure and continue to run through standard off-the-shelf solutions.	
18	User-authentication	The ANPR Application shall authenticate users and give access to the ANPR Application based on predefined user access rights or privileges, and security partition settings. This feature should be made available with integration with the Video Intelligence Platform.	
19	User configuration	The ANPR Application shall support the configuration/management of the following components specific to ALPR: ANPR units and cameras. Hotlists and Wanted vehicles It shall be possible to view video associated to ANPR events when viewing a report.	
20	System health	The ANPR application shall monitor the health of the system, log health-related events, and calculate statistics. This feature should be made available with integration with the Video Intelligence platform.	
21	Server Management	Calculates availability for clients, servers and ALPR/access/video units for efficient SLA management.	
22	Health Dashboard	A web-based, centralized health dashboard shall be available to remotely view unit and role and status of the ANPR devices. This feature should be made available with integration with the Video Intelligence platform.  Detailed system care statistics will be available through a web-based dashboard providing health metrics of ANPR	

S. No.	Parameter	Description	Bidder's Compliance (Yes / No)
		application including Uptime and mean-time-between-failures. This feature should be made available with integration with the Video Intelligence platform.	
23	Integration with 3 <sup>rd</sup> Party Database	ANPR Platform should be able to integrate with Vaahan, NIC , MORTH or any other database as required.	

### 11.8 Server Specification

Sr No	Minimum Specifications	Compliance (Yes/No)
1	1U/2U Rack Mounted Chassis	
2	Intel Xeon Silver 5th Gen. 24 Core with 2.2Ghz or above, 36 Mb cache or better	
3	192 GB RAM or better	
4	240GB SSD as M.2 drive	
5	RAID Controller with Raid 0/1/5/6/10/50/60	
6	2x 1Gbps, 2x 10Gbps LAN Port	
7	Support Windows server 2022 standard / Linux or any flavours of the same	
8	The management solution should provide telemetry data collection (server serial numbers, IP addresses, software installed etc.) to proactively review customer environment to improve system uptime	
9	Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list	

### 11.9 Storage Specification

Sr No	Minimum Specifications	Compliance (Yes/No)
1	The storage should have Symmetric Active-Active Controller architecture where a LUN should be accessible by all the controllers simultaneously.	-
2	Storage Should have Dual Controller (Active Active) with minimum 8 Ports of 32 Gbps Across Controllers.	
3	The storage system should have minimum 64GB Global Cache. The complete cache should be accessible by all the controllers in the storage system. Only write cache must be mirrored. Cache memory should be delivered on DRAM, any other device or HDD should not be considered as cache.	
4	The Storage Array shall be offered with required usable capacity Industrial estate without Dedupe and	

	compression in RAID6 configuration & appropriate Hot spare Drives.	
5	Offered Storage Array shall be configured in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc.	
6	Offered storage array shall be flexible on both Scale-up and Scale-out using array in-built firmware enabled clustering technology.	
7	The storage model offered should be capable of supporting 1,00,000 or above IOPS and latency equal to or sub Mili sec of response time	
8	The proposed Storage model must support scaling-up or scaling-out to atleast 8-Controllers either on common backplane or federation.	
9	The proposed storage should also support NVMe, SSD, SAS and NL-SAS Drives	
10	Data Encryption of Data at Rest	
11	The storage should be supplied with Storage management, virtual/thin provisioning, snapshot, clone, Sub-Lun Data Tiering and other required software to meet the technical requirements.	
12	Solution should offer 100% Data availability Guarantee from Respective OEM's	

#### 11.10 GI Cantilever Pole for ATCS and TES

Sr. No.	Specification	Minimum Requirement	Bidder's Compliance
1	Material	Galvanized Iron (GI) with Hot Dip Galvanization	
2	Pole Height	as per site requirement	
3	Cantilever Arm	Single arm, 2 meters long	
4	Pole Diameter	100mm-150mm (as per structural requirement)	
5	Base Plate	300mm x 300mm x 12mm thick with anchor bolts	
6	Wind Load Capacity	Minimum 150 km/h	

<b>Sr. No.</b>	<b>Specification</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance</b>
7	Mounting Arrangement	Provision for adjustable camera and IR illuminator brackets	
8	Cable Management	Internal wiring provision with entry/exit holes	
9	Finish	Powder-coated or painted for additional corrosion resistance	
10	Installation	Suitable for grouting with foundation bolts	
11	Accessories	Anchor bolts, foundation template, and mounting brackets	

**Note:** The specifications provided are for reference purposes only. The final design must be reviewed and approved before the manufacturing and delivery of the poles.

#### 11.11 Standard Pole for ATCS and TES and Poles for Stop Man - Walk Man

<b>Sr. No.</b>	<b>Specification</b>	<b>Bidder's Compliance (Yes / No)</b>
1	Straight Poles 3 Nos. MS tubular poles, 75/100 mm dia, 4.5-6.0 m height, hot-dip galvanized (min. 610 g/m <sup>2</sup> ) as per IS 2629 / IS 4736, with base plate, anchor bolts, and M20 foundation bolts. Powder coated in black & yellow bands.	

#### 11.12 IR illuminator

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

S/N	Parameter	Specification	Bidder's Compliance (Yes / No)	Remarks
1	Range	Min 50 meter at 60-degree angle		
2	Minimum illumination	Hight Sensitivity @0 Lux		
3	Angle of Mounting	Adjustable		
4	Power	DC (12V/ 24V) / AC (100-270V) , Auto on/off		
5	Casing	IP 66 and IK10 Rated		
6	Operational Temperature	0°C to 55 °C		
7	Certification	CE/EN/Equivalent Indian Standards, FCC/Equivalent Indian Standards, at the time of bidding		
8	General	External Illuminator with visibility should be at least 50m. Illumination (Color & b/w) should be sufficient to capture Objects/Faces at night time when there is not sufficient illumination at site.		

The infrared illuminators are to be used to enhance the night vision

### 11.13 Network Video Recorder

#	Parameter	Minimum Specifications or better	Compliance (Yes/No)	Remarks
	Make			
	Model			
1.	Input	8/16 channels IP camera inputs		
2.	Output	1 VGA, 1 HDMI		
3.	Support for Two-way Talk	1 channel Input, 1 channel Output		
4.	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		
5.	Video/Audio Compression	H.264 / MJPEG / PCM		
6.	Resolution	1080P (1920×1080) / 720P(1280×720) / D1 (704×576 / 704×480)		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

#	Parameter	Minimum Specifications or better	Compliance (Yes/No)	Remarks
7.	Record Rate	25 FPS@1080P for each channel		
8.	Bit Rate	48~8192Kb/s		
9.	Record Mode	Manual, Schedule(Regular(Continuo us), MD, Alarm), Stop		
10.	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post- record: 10~300 sec		
11.	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search		
12.	Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom		
13.	Ethernet	RJ-45 port (10/100/1000M)		
14.	Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server		
15.	Internal HDD	Minimum 2 HDD slots with each capacity of 4TB with mirroring support should be provided with appropriate storage to meet the functional requirements.		
16.	USB	Minimum 2 port		
17.	Working Environment	0°C to 50°C / 0% to 90% RH		
18.	Certification	UL/EN, CE, FCC		
19.	Protocol	ONVIF		

#### 11.14 Field Junction Box

#	Parameter	Minimum Specifications	Bidder Compliance (Yes/No)	Remarks
	Make			
	Model			

#	Parameter	Minimum Specifications	Bidder Compliance (Yes/No)	Remarks
1.	Size	Suitable size as per site requirements to house the field equipment		
2.	Cabinet Material	GI with powder coated		
3.	Material Thickness	Min 1.2mm		
4.	Number of Locks	Two		
5.	Protection	IP 55, Junction Box design should ensure to keep the temperature within suitable operating range for equipment's and should also avoid intentional water splash and dust intake		
6.	Mounting	On Camera Pole / Ground mounted on concrete base		
7.	Form Factor	Rack Mount/DIN Rail		
8.	Other Features	Rain Canopy, Cable entry with glands, proper earthing and Fans/any other accessories as required for operation of equipment's within junction box.		

## 12. Project Implementation Methodology

Agency must follow best industry practices in their Project Implementation approach and internally review, not limited to, the following aspects

- Project Progress
- Delays, if any – Reasons thereof and ways to make-up lost time
- Issues and concerns
- Performance and SLA compliance reports;
- Unresolved and escalated issues;
- Project risks and their proposed mitigation plan
- Discussion on submitted deliverable
- Timelines and anticipated delay in deliverable if any
- Responsibility Matrix updation

## **12.1 Change Management & Control**

### **12.1.1 Change Orders / Alterations / Variations**

- The Agency agrees that the requirements given in the Bidding Documents are minimum requirements and are only indicative. The vendor would need to etch out the details at the time of preparing the design document prior to actual implementation. It shall be the responsibility of the Agency to meet all the requirements of technical specifications contained in the RFP and any upward revisions and/or additions of quantities, specifications sizes given in the Bidding Documents required to be made during execution of the works, shall not constitute a change order and shall be carried out without a change order and shall be carried out without any time and cost effect to the Authority.
- Further upward revisions and or additions required to make Agency's selected equipment and installation procedures to meet Bidding Documents requirements expressed and to make entire facilities safe, operable and as per specified codes and standards shall not constitute a change order and shall be carried out without any time and cost effect to the Authority.
- Any upward revision and/or additions consequent to errors, omissions, ambiguities, discrepancies in the Bidding Documents which the Agency had not brought out to the Purchaser's notice in his bid shall not constitute a change order and such upward revisions and/or additions shall be carried out by Agency without any time and cost effect to the Authority.

### **12.1.2 Change Order**

- The Change Order will be initiated only in case (i) the Authority directs in writing the Agency to include any addition to the scope of work covered under this Contract or delete any part of the scope of the work under the Contract, (ii) Agency requests to delete any part of the work which will not adversely affect the operational capabilities of the facilities and if the deletions proposed are agreed to by the Authority and for which cost and time benefits shall be passed on to the Authority, (iii) the Authority directs in writing the Agency to incorporate changes or additions to the technical specifications already covered in the Contract.
- Any changes required by the Authority over and above the minimum requirements given in the specifications and drawings etc. included in the Bidding Documents before giving its approval to detailed design or Engineering requirements for complying with technical specifications and changes required to ensure systems compatibility and reliability for safe operation (As per codes, standards and recommended practices referred in the Bidding Documents) and trouble free operation shall not be construed to be change in the Scope of work under the Contract.
- Any change order as stated in above clause (a) comprising an alteration which involves change in the cost of the works (which sort of alteration is hereinafter called a "Variation") shall be the Subject of an amendment to the Contract by way of an increase or decrease in the schedule of Contract Prices and adjustment of the implementation schedule if any.
- If parties agree that the Contract does not contain applicable rates or that the said rates are inappropriate or the said rates are not precisely applicable to the variation in question, then the parties shall negotiate a revision of the Contract Price which

shall represent the change in cost of the works caused by the Variations. Any change order shall be duly approved by the Authority in writing.

- Within ten (10) working days of receiving the comments from the Authority or the drawings, specification, purchase requisitions and other documents submitted by the Agency for approval, the Agency shall respond in writing, which item(s) of the Comments is/are potential changes(s) in the Scope of work of the RFP document covered in the Contract and shall advise a date by which change order (if applicable) will be submitted to the Authority.

## **12.2 Cyber Security Requirements**

All the ICT assets shall be hardened as per the Hardening guidelines and industry leading practices. Remove all unauthorized software, utilities, and services. All required logs shall be configured and monitored. Agency is required to follow strict security measures under Network Security, IS DB Security, Application Security, Data Security, IoT Device Security, Cyber Security Governance etc. Any existing policies / Guidelines released by GoI / GoG / GMC will be adhered to by the agency during the course of the contract

## Annexure-1 Format for Power of Attorney

(On Rs. 300 Stamp Paper and notarized)

Know all men by these presents, we (name of the company and address of the registered office) do hereby appoint and authorize Mr / Ms (full name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid document for 'Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city, in response to the tenders invited by the client, including signing and submission of all documents and providing information / responses to the client in all matters in connection with our bid, communication with the client and signing of the contract, in case the contract is awarded to us.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this      day of 2025

For \_\_\_\_\_

(Signature)

(Name, Designation and Address)

For \_\_\_\_\_

(Signature)

(Name, Designation and Address)

Note:

- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- Also, wherever required, the bidder should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the bidder.
- In case the person who has been executing this Power of Attorney leaves the company, authorized person of the bidder's company should submit a fresh Power of Attorney to the client.
- In case the bid is signed by an authorized Director / Partner or Proprietor of the bidder, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.



## **Annexure-2 Format for Cover Letter**

[On the letterhead of the organization]

Date: <DD/MM/YYYY>

To

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Sub: Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref : Tender No: <No> dated <DD/MM/YYYY>

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide our services as required and outlined in the RFP for the Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city We attach hereto our responses to pre-qualification requirements and technical & commercial proposals as required by the RFP. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered to the client, is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the department in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP document and also agree to abide by this tender response for a period of 180 days from the date fixed for bid opening. We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed the RFP.

We agree that you are not bound to accept any tender response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Signature of Authorized Signatory (with official seal)

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Name :  
Designation :  
Company :  
Address :  
Telephone & Fax :  
E-mail Address :

### **Annexure 3 Format for Affidavit**

(On Rs. 300 Stamp Paper and notarized)

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> **dated** << .....>>

In response to the Tender for **Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city** as an owner/partner/Director of, \_\_\_\_\_ I/We \_\_\_\_\_ do hereby certify that all the statements made in the Tender Document are true and correct to the best of my/our belief and knowledge.

I/We hereby declare that our Agency \_\_\_\_\_ has an unblemished past record and has not been declared ineligible due to corrupt & fraudulent practices either indefinitely or for a particular period of time.

I/We \_\_\_\_\_ hereby understand and agree that any person or party who is minor or who has been adjudged insolvent or who has been convicted in a Court of Law for an offence under Indian Penal Code or offence involving moral turpitude or other criminal activities or detained under and preventive law for the time being in force such as T.A.D.A., F.E.M.A., etc. or who has been black listed by the Government of India, is not eligible to submit the Tender Document. Tender Documents submitted by such person shall be treated as invalid.

I/We \_\_\_\_\_ hereby understand and agree that any further information required by GMC may be requested and we hereby agree to furnish any such information at the request of GMC.

It is certified that the information furnished here in and as per the bid / documents / clarifications submitted is true and correct and nothing has been concealed or tampered with. We have gone through all the conditions of RFP and are liable to any punitive action for furnishing false information / documents.

We have read the provisions of the RFP, Annexure thereto and addenda. We understand that any additional conditions, deviations, suggestions, assumptions, if any, found in our bid shall not be given effect to and shall not be binding on the client in case our bid is accepted.

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

We understand that any component or service required for completion of the project will be made available by us without any additional financial implication, except those explicitly mentioned in the RFP, to the client.

Signature of Bidder (with official seal)

Date

Name

Designation

Contact Number

#### **Annexure-4 Format for Earnest Money Deposit (Bank Guarantee)**

To

#### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

Ref: RFP No. <<.....>> dated << .....>>

Whereas M/s <<Name of Bidder>>, a company incorporated under the <<Act>>, its registered office at ..... or (hereinafter called 'the Bidder') has submitted its Proposal dated ----- for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

KNOW ALL MEN by these presents that WE <<Name of Bank>> of ----- having our registered office at ----- (hereinafter called "the Bank") are bound unto the Gandhinagar Municipal Corporation (hereinafter called "the Client") in the sum of Rs. \_\_\_\_\_ for which payment well and truly to be made to the said Client, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this ----- day of ----- 2025

THE CONDITIONS of this obligation are:

If the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid

If the Bidder, having been notified of the acceptance of its Proposal by the Client during the period of validity of Proposal, bidder:

- withdraws his participation from the Proposal during the period of validity of Proposal document;
- fails to extend the validity if required and as requested or
- fails to produce Performance Bank Guarantee in case of award of tender within 15 days of award of LOI or awarding contract whichever is earlier

We undertake to pay to the Client up to the above amount upon receipt of its first written demand, without the Client having to substantiate its demand, provided that in its demand the Client will note that the amount claimed by it is due to it owing to the occurrence of one or any or a combination of the above conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to the period of bid validity and its validity should be extensible to 45 days beyond the bid validity date. Any demand in respect thereof should reach the Bank not later than the above date.

(Authorized Signatory of the Bank)

## **Annexure-5 Format for Performance Bank Guarantee**

(On Rs. 300 Stamp Paper and notarized)

Place:

Date:

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

Bank Guarantee Number:

Dear Sir,

Whereas, <name of the Supplier and address> (hereinafter called “the Agency”) has undertaken, in pursuance of contract no. dated. to provide **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city** to Gandhinagar Municipal Corporation (hereinafter called “the Authority”)

And whereas it has been stipulated by in the said contract that the bidder shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with its obligations in accordance with the contract;

And whereas we, a banking company incorporated and having its head/registered office at \_\_\_\_ and having one of its office at \_\_\_\_\_ have agreed to give the supplier such a bank guarantee.

Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of Rs.\_\_\_\_ (Rupees only) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of Rs. (Rupees only) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the bidder before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the Agency shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This Guarantee shall be valid until <insert date>) Notwithstanding anything contained herein:

1. Our liability under this bank guarantee shall not exceed Rs. (Rupees only).
2. This bank guarantee shall be valid up to <insert expiry date>
3. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this bank guarantee that we receive a valid written claim or demand for payment under this bank guarantee on or before <insert expiry date> failing which our liability under the guarantee will automatically cease.

Date

Place

Signature

Witness

Printed name

(Bank's common seal)

### **List of approved Banks**

If the performance Security is provided by the successful bidder in the form of a Bank Guarantee, it shall be issued either (a) at the bidder's option, by a Nationalized / scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Authority. As per GoG Finance Department's circular no. FD / MSM / e-file / 4 / 2023/ 0057 / D.M.O date 21/04/2023 or as per their latest amendment.

## **Annexure-6 Non- Termination Certificate**

[On the letterhead of the organization]

Date: dd/mm/yyyy

To,

### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

### **Non-Termination Certificate**

This is to certify that ----- (name of the organization), having registered office at ----- (address of the registered office), as on date of submission of the bid, has not withdrawn from similar project or have not had any termination of contract from similar project with Government entities (Central Government / State Government / ULBs) in the last 3 years.

Signature:

Name of the Authorized Signatory:

Designation:

## **Annexure- 7 No Deviation Certificate**

(To be provided on the Company letter head)

Place

Date

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

Dear Sir,

This is to certify that our offer is exactly in line with your tender enquiry/RFP (including amendments) no.\_\_\_\_\_ dated\_\_\_\_\_. This is to expressly certify that our offer contains no deviation either Technical (including but not limited to Scope of Work, Business Requirements Specification, Functional Requirements Specification, Hardware Specification and Technical Requirements Specification) or Commercial in either direct or indirect form.  
(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

## **Annexure- 8 Total Responsibility Certificate**

(To be provided on the Company letter head)

Place

Date

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Dear Sir,

This is to certify that we undertake the total responsibility for the defect free operation of the proposed solutions as per the requirement of the RFP for the duration mentioned in all the volumes of the RFP.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

### **Annexure- 9 Bidder Details**

1. Details of the Bidder (Firm/ Company)
2. Name
3. Address
4. Telephone Fax
5. E-mail – Website
6. Details of Authorized person
7. Name
8. Address
9. Telephone E-mail
10. Information about the Firm/ Company
11. Status of Firm/ Company (Public Ltd. / Pvt. Ltd etc.)
12. Details of Registration (Ref e.g. ROC Ref #)
13. Number of full-time professionals on role
14. Locations and Status of Firm/ addresses of offices (in India and overseas)

Any other details relevant to the bidder in context of this RFP and its contents to be covered.

### **Annexure- 10 Financial Turnover and Net worth**

(Copy of audited financial statements or declaration from the appointed statutory auditor/CA to be provided as proof of the financial turnover and net worth)

To,

#### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

We hereby certify the below information on the basis of the audited financial statements for the financial years ended on 31<sup>st</sup> March 2023, 31<sup>st</sup> March 2024, 31<sup>st</sup> Mar 2025 of \_\_\_\_\_ having its Registered Office at \_\_\_\_\_

<b>Financial year</b>	<b>Annual Turnover in Cr (Overall)</b>	<b>Annual Turnover in Cr (ICT/IT/ITES)</b>	<b>Net-worth</b>
2022-23			
2023-24			
2024-25			
<b>Average Annual Turnover</b>			

## **Annexure- 11 Non-Black Listing**

(On Rs. 300 Stamp Paper and notarized)

To,

### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> **dated** << .....>>

Sir/Madam,

Date: dd/mm/yyyy

In response to the Tender Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ for "Request for Proposal (RFP) for **Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city** as an owner/ partner/ Director of \_\_\_\_\_, I/ We hereby declare that presently our Company/ firm \_\_\_\_\_ is having unblemished record and is not declared ineligible for corrupt and fraudulent practices either indefinitely or for a particular period of time by any State/ Central Government/ PSU.

We further declare that presently our Company/ firm is not blacklisted and not declared ineligible for reasons other than corrupt and fraudulent practices by any State/ Central Government/ PSU on the date of Bid Submission.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

(Signature of the Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

## **Annexure- 12 Non-Violation of IPR**

[On the letterhead of the organization]

Date: dd/mm/yyyy

To,

### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

### **Non Violation of Intellectual Property Rights**

Sir / Madam,

This is to certify that ----- (name of the organization), having registered office at ----- (address of the registered office), as on date of submission of the bid, has not violated / infringement of any Indian or foreign trademark, patent, registered design or other intellectual property rights.

Signature:

Name of the Authorized Signatory:

Designation:

### Annexure 13 History of Litigations

(On Rs. 300 Stamp Paper and notarized)

Date: dd/mm/yyyy

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

Sir / Madam,

**Litigation History**

<b>Other party (ies)</b>	<b>Employer</b>	<b>Cause of Dispute</b>	<b>Amount involved</b>	<b>Remarks showing present status</b>

Signature:

Name of the Authorized Signatory:

Designation:

#### **Annexure 14 – Bidder’s experience Citation Format**

Bidder is requested to furnish the credentials in the following format for both Pre-qualification and Technical criterion. **All credentials should be followed by relevant documentary proof with highlighted sections which are relevant to the criteria under this project**

Name of the Project & Location	
Client’s Name and Complete Address with email address	
Narrative description of project (must clearly elaborate sections which are relevant to the criteria under this project)	
Contract Value for the bidder (in Indian Rupees)	
Date of Start	
Date of Completion	

## Annexure 15 – Format for Commercial Bids

The commercial bids need to be filled online on nprocure as per BoQ format provided. No part of the project’s commercial bid must be a part of Technical Bid.

### Total Price Summary

#	Head	Amount (INR)	Amount (INR in words)
1	Total CAPEX price (Inclusive of all taxes, levies, duties, etc. as applicable)		
2	Total OPEX price (Inclusive of all taxes, levies, duties, etc. as applicable)		
3	Total Price (1 + 2) (Inclusive of all taxes, levies, duties, etc. as applicable)		

Note:

- The Details has to be entered Online only.
- The bidder must ensure that their commercial bid contains reasonable unit rates of CAPEX and OPEX items.
- GMC may identify abnormally higher / lower unit rates of line items and seek justifications from bidders on the same.
- It is recommended that Total Capital Price (CAPEX) quoted in the project should not exceed 70% of Total Price quoted in the commercial bid. In case the bidder quotes higher figures (more than 70% of Total Price) towards CAPEX, the same shall be restricted to 70% while making payments towards CAPEX. Any value quoted towards CAPEX over and above 70% limit will be paid in equal quarterly installments during O&M phase along with quarterly payment for each quarterly.

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

**Capex BoQ**

Sr.No.	Component / Line Item	Quantity	UoM	Unit Base Price without tax (INR)	All taxes, levies, duties etc. as applicable (INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (INR) (Total Quantities)
A	B	C	D	E	F	G = (E+F) multiplied by C
1	ATCS Traffic Controller	3	Number			
2	Countdown timer	12	Number			
3	Vehicle Detector Camera	12	Number			
4	Galvanized Cantilever pole	12	Number			
5	Galvanized Standard Poles	12	Number			
6	Traffic Light Aspects - Red	24	Number			
7	Traffic Light Aspects - Green	72	Number			
8	Traffic Light Aspects - Amber	24	Number			
9	Pedestrian lamp heads - Stop Man	24	Number			
10	Pedestrian lamp heads - Walk Man	24	Number			
11	Junction Box/Cabinets with necessary foundation and earthing for ATCS and TES	3	Number			
12	UPS with battery backup of 1 hour for ATCS and TES	3	Number			
13	Provisioning of Electrical Power for ATCS and TES	3	Number			
14	8 Port L2 Industrial Grade Switch at edge location	15	Number			
15	Installation, Testing, Commissioning of Adaptive Traffic Control System (ATCS), with all accessories, electrical, networking, foundation, etc. work. Including complete cabling and civil works.	3	Number			
16	Adaptive Traffic Control System (ATCS) (Software +Licenses)	3	Number			
17	Overview Camera / Evidence Camera for RLVD	12	Number			
18	ANPR Camera for RLVD	24	Number			
19	IR Illuminators	36	Number			
20	Poles for RLVD	12	Number			
21	Local Processing Unit (LPU) for RLVD	3	Locations			
22	Installation, Testing, Commissioning of Traffic Enforcement System with all accessories, electrical, networking, foundation, etc. work.	3	Number			
23	Traffic enforcement system- RLVD, ANPR (Software + License)	3	Number			

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Sr.No.	Component / Line Item	Quantity	UoM	Unit Base Price without tax (INR)	All taxes, levies, duties etc. as applicable (INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (INR) (Total Quantities)
A	B	C	D	E	F	G = (E+F) multiplied by C
24	VMS (Software + License)	36	Number			
25	Server and OS with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing	1	Lot			
26	Storage with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing	1	Lot			
27	OTC for Network Connectivity (P2MP/L2VPN/P2P) for ATCS and TES at Field Location (100 MBPS per location)	3	Locations			
28	OTC for Network Connectivity (P2MP/L2VPN/P2P) for ATCS and TES from Field Location to centralized location (300 MBPS)	1	Lot			
29	Network Video Recorder	3	Locations			
30	Any Other					
CAPEX Total						

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

**OPEX BoQ**

Sr. No	Component / Line Item	Quantity	UoM	Year 1 cost with tax for total Quantities	Year 2 cost with tax total Quantities	Year 3 cost with tax for total Quantities	Year 4 cost with tax total Quantities	Year 5 cost with tax total Quantities	Total Price for 5 years (INR) with tax (for Total Quantities)
A	B	C	D	E	F	G	H	I	J = E+F+G+H+I
1	ATCS Traffic Controller	3	Number						
2	Countdown timer	12	Number						
3	Vehicle Detector Camera	12	Number						
4	Galvanized Cantilever pole	12	Number						
5	Galvanized Standard Poles	12	Number						
6	Traffic Light Aspects - Red	24	Number						
7	Traffic Light Aspects - Green	72	Number						
8	Traffic Light Aspects - Amber	24	Number						
9	Pedestrian lamp heads - Stop Man	24	Number						
10	Pedestrian lamp heads - Walk Man	24	Number						
11	Junction Box/Cabinets with necessary foundation and earthing for ATCS	3	Number						
12	UPS with battery backup of 1 hour for ATCS and RLVD	3	Number						
13	8 Port L2 Industrial Grade Switch at edge location	15	Number						
14	Adaptive Traffic Control System (ATCS) (Software +Licenses)	3	Number						
15	Overview Camera / Evidence Camera for RLVD	12	Number						
16	ANPR Camera for RLVD	24	Number						
17	IR illuminator	36	Number						
18	Poles for RLVD	12	Number						
19	Local Processing Unit (LPU) for RLVD	3	Location						
20	Traffic enforcement system-RLVD, ANPR (Software + License)	3	Number						
21	VMS (Software + License)	36	Number						

**Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

<b>Sr. No</b>	<b>Component / Line Item</b>	<b>Quantity</b>	<b>UoM</b>	<b>Year 1 cost with tax for total Quantities</b>	<b>Year 2 cost with tax total Quantities</b>	<b>Year 3 cost with tax for total Quantities</b>	<b>Year 4 cost with tax total Quantities</b>	<b>Year 5 cost with tax total Quantities</b>	<b>Total Price for 5 years (INR) with tax (for Total Quantities)</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J = E+F+G+H+I</b>
22	Server and OS with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing	1	Lot						
23	Storage with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing	1	Lot						
24	Recurrent Charges for Network Connectivity (P2MP/L2VPN/P2P) for ATCS and TES at Field Location (100 MBPS per location)	3	Locations						
25	Recurrent charges for Network Connectivity (P2MP/L2VPN/P2P) for ATCS and TES from Field Location to centralized location (300 MBPS)	1	Lot						
26	Network Video Recorder	3	Location						
27	Project Manager	1	Number						
28	Network, Server and Storage Expert	1	Number						
29	Software Application Expert	1	Number						
30	Any Other								
<b>Total OPEX</b>									

## Annexure 16 – Draft Contract

<<To be printed on Rs. 300/- Stamp Paper>>

This AGREEMENT is made at \_\_\_\_\_, Gandhinagar, Gujarat, on this \_\_\_\_\_ day of \_\_\_\_\_,

BETWEEN

-----, hereinafter referred to as "Client", or "GMC" (which expression unless repugnant to the context therein shall include its administrator and permitted assignees) of the FIRST PART;

AND

-----, a company registered under the Companies Act, 1956, having its registered office at \_\_\_\_\_, hereinafter referred to as "Agency" or "Selected Bidder" or "Vendor" or "System Integrator" or "SI", (which expression unless repugnant to the context therein, shall include its successors, administrators, executors and permitted assignees), of the SECOND PART.

Whereas GMC has envisaged to implement **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

And whereas GMC published the RFP to seek services of a reputed firms for **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city.**

And whereas M/s\_\_\_\_ has submitted its proposal for **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city;**

AND whereas GMC has selected M/s \_\_\_\_\_ as agency and issued Letter of Intent / Work Order dated ..... to the agency who in turn signed and returned the same as a token of acceptance of Letter of Intent / Work Order.

And whereas GMC and M/s \_\_\_\_\_ have decided to enter into this Agreement on the terms and conditions stipulated hereinafter.

NOW, THEREFORE, IT IS HEREBY AGREED between the parties as follows:

- A. The Authority has accepted the tender of agency for the provision and execution of the said works for the sum of Rs..... (Rupees only) as per terms laid out in the RFP.
- B. Agency hereby agrees to provide Services to Authority, conforming to the specified Service Levels and conditions mentioned.
- C. The following documents attached hereto shall be deemed to form an integral part of this Agreement:
  1. Scope of Services for the agency (Annexure )

2. Detail Commercial proposal of the agency accepted by GMC (Annexure )
3. SLA to be adhered by the agency (Annexure )
4. Corrigendum Document published by GMC subsequent to the RFP for this work (Annexure )
5. RFP Document of GMC for this work (Annexure )
6. LoI issued by the GMC to the agency (Annexure )
7. Acceptance of LoI by Agency (Annexure )
8. Work Order issued by GMC to agency
9. The agency's "Technical Proposal" and "Commercial Proposal" submitted in response to the RFP (Annexure )

NOW, THEREFORE, in consideration of the premises covenants and promises contained herein and other good and valuable considerations, the receipt and adequacy of which is hereby acknowledged, the parties intending to be bound legally, IT IS HEREBY AGREED between the Parties as follows:

### **General Conditions of Contract**

#### **1. Definition**

In this Agreement, the following terms shall be interpreted as indicated, -

- a. "Authority" means Gandhinagar Municipal Corporation
- b. "Contract" means this Agreement entered into between GMC and the Systems Integrator including all attachments and annexure thereto and all documents incorporated by reference therein;
- c. "Agency" means M/s interchangeably referred to as "Selected Bidder" or "Agency" or "Selected Bidder" or "Vendor" or "System Integrator" or "SI" in the contract; and
- d. "RFP" means the Tender Published by GMC (Ref. No. -----) and the subsequent Corrigenda / Clarifications issued.
- e. "Deliverable" means any action / output generated by the agency while discharging their contractual obligations. This would include information and all the other services rendered as per the scope of work and as per the SLAs.
- f. "Assets" refer to all the hardware / Software / data / documentations / manuals / catalogs / brochures / or any other material procured, created or utilised by the agency for the Gandhinagar Municipal Corporation
- g. LOI means Letter of Intent issued to successful bidder basis techno-commercial evaluation of bids submitted.
- h. "OEM" means Original Equipment Manufacturer of any equipment / system / software / product which are providing such goods to authority under the scope of RFP.
- i. "Acceptance of System" The system shall be deemed to have been accepted by the Authority, subsequent to its installation, rollout and deployment of trained manpower, when all the activities as defined in Scope of Work under this RFP have been successfully executed and completed to the satisfaction of Authority
- j. "Applicable Law(s)" Any statute, law, ordinance, notification, rule, regulation, judgment, order, decree, bye-law, approval, directive, guideline, policy, requirement

or other governmental restriction or any similar form of decision applicable to the relevant party and as may be in effect on the date of the execution of this Agreement and during the subsistence thereof, applicable to the Project.

- k. "Contract Value" means the price payable to agency under this Contract for the full and proper performance of its contractual obligations.
- l. "Document" means any embodiment of any text or image however recorded and includes any data, text, images, sound, voice, codes, databases or any other electronic documents as per IT Act 2000.
- m. "Effective Date" means the date on which this Contract is signed or LoI is issued by Authority, whichever is earlier and executed by the parties hereto.
- n. "GCC" means General Conditions of Contract
- o. "Goods" means all of the equipment, sub-systems, hardware, software, products accessories, software and/or other material/items which AGENCY is required to supply, install and maintain under the contract.
- p. "Intellectual Property Rights" means any patent, copyright, trademark, trade name, service marks, brands, proprietary information whether arising before or after the execution of this Contract and the right to ownership and registration of these rights.
- q. "Go- Live" means installation, testing, commissioning of project, and commencement of all components, including training as per scope of work mentioned in RFP. Bidder should have the approval from Authority for user acceptance testing.
- r. "Notice" means: a notice; or a consent, approval or other communication required to be in writing under this Contract.
- s. "Agency's Team" means agency who has to provide goods & services to the Authority under the scope of this Contract. This definition shall also include any and/or all of the employees of the agency, authorized service providers/partners and representatives or other personnel employed or engaged either directly or indirectly by agency for the purposes of this Contract.
- t. "Replacement Service Provider" means the organization replacing the agency in case of contract termination for any reasons
- u. "Sub-Contractor" shall mean the entity named in the contract for any part of the work or any person to whom any part of the contract has been sublet with the consent in writing of the Authority and the heirs, legal representatives, successors and assignees of such person.
- v. "SCC" means Special Conditions of Contract.
- w. "Services" means the work to be performed by the agency pursuant to this RFP and to the contract to be signed by the parties in pursuance of any specific assignment awarded by the Authority.

## **2. Interpretation**

In this Contract unless a contrary intention is evident:

- the clause headings are for convenient reference only and do not form part of this Contract;
- unless otherwise specified a reference to a clause number is a reference to all of its sub-clauses;

- the word “include” or “including” shall be deemed to be followed by “without limitation” or “but not limited to” whether or not they are followed by such phrases;
- unless otherwise specified a reference to a clause, sub-clause or section is a reference to a clause, sub-clause or section of this Contract including any amendments or modifications to the same from time to time;
- a word in the singular includes the plural and a word in the plural includes the singular;
- a word importing a gender includes any other gender;
- a reference to a person includes a partnership and a body corporate;
- a reference to legislation includes legislation repealing, replacing or amending that legislation;
- where a word or phrase is given a particular meaning it includes the appropriate grammatical forms of that word or phrase which have corresponding meanings;
- in the event of an inconsistency between the terms of this Contract and the RFP and the Bid, the terms hereof shall prevail.

### **3. Conditions Precedent**

This Contract is subject to the fulfillment of the following conditions precedent by agency.

- a) Furnishing by agency, an unconditional and irrevocable Performance Bank Guarantee (PBG) (Annexure 5 of the RFP) and acceptable to the Authority which would remain valid until such time as stipulated by the Authority.
- b) Obtaining of all statutory and other approvals required for the performance of the Services under this Contract. This may include approvals/clearances, wherever applicable, that may be required for execution of this contract e.g. clearances from Government authorities for importing equipment, exemption of Tax/Duties/Levies, work permits/clearances for agency/agency's team, etc.
- c) Furnish notarized copies of any/all contract(s) duly executed by agency and its OEMs existing at the time of signing of this contract in relation to the Authority's project.
- d) Furnishing of such other documents as the Authority may specify/demand.
- e) The Authority reserves the right to waive any or all of the conditions specified in Clause c above in writing and no such waiver shall affect or impair any right, power or remedy that the Authority may otherwise have.
- f) In the event that any of the conditions set forth in Clause c hereinabove are not fulfilled within 1 months from the date of this Contract, or such later date as may be mutually agreed upon by the parties, the Authority may terminate this Contract.
- g) In case there is a contradiction between the sections, the below hierarchy of sections in order of precedence :
  - Pre-bid clarification and Corrigendum, if any
  - RFP
  - Contract Agreement

### **4. Scope of Work**

- a) Scope of the work shall be as defined in this RFP and Annexures thereto of the tender.
- b) Authority has engaged agency to provide services related to **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System**

**(ATCS) and Traffic Enforcement System (TES) in Gandhinagar city** using which the Authority intends to perform its business operations. Agency is required to provide such goods, services and support as the Authority may deem proper and necessary, during the term of this Contract, and includes all such processes and activities which are consistent with the proposals set forth in the Bid, the Tender and this Contract and are deemed necessary by the Authority, in order to meet its business requirements (hereinafter 'scope of work').

## **5. Key Performance Measurements**

- a) Unless specified by the Authority to the contrary, agency shall deliver the goods, perform the services and carry out the scope of work in accordance with the terms of this Contract, Scope of Work and the SLAs as laid down in the RFP .
- b) If the Contract, scheduled requirements, SLAs includes more than one document, then unless the Authority specifies to the contrary, the later in time shall prevail over a document of earlier date to the extent of any inconsistency.
- c) The Authority reserves the right to amend any of the terms and conditions in relation to the Contract/SLAs and may issue any such directions which are not necessarily stipulated therein if it deems necessary for the fulfilment of the project requirements.

## **6. Commencement and Progress**

- a) Agency shall subject to the fulfillment of the conditions precedent above, commence the performance of its obligations in a manner as per the Scope of Work defined in the RFP
- b) Agency shall proceed to carry out the activities/services with diligence and expedition in accordance with any stipulation as to the time, manner, mode, and method of execution contained in this Contract.
- c) Agency shall be responsible for and shall ensure that all activities/services are performed in accordance with the Contract, Scope of Work and SLAs and that agency's team complies with such Specifications and all other standards, terms and other stipulations/conditions set out hereunder.
- d) Agency shall perform the activities/services and carry out its obligations under the Contract with due diligence, efficiency and economy, in accordance with generally accepted techniques and practices used in the industry and shall observe sound management, engineering and security practices. Agency shall always act, in respect of any matter relating to this Contract, as faithful advisors to the Authority and shall, at all times, support and safeguard the Authority's legitimate interests in any dealings with Third parties.

## **7. Standards of performance**

Agency shall perform the Services and carry out its obligations under the Contract with due diligence, efficiency and economy, in accordance with generally accepted techniques and best practices used in the industry and with IT standards recognized by international professional bodies and shall observe sound management, engineering and security practices. It shall employ appropriate advanced technology and engineering practices and safe and effective equipment, machinery, material and methods. Agency shall always act, in respect of any matter relating to the Contract, as faithful advisors to the Authority and shall,

at all times, support and safeguard the Authority's legitimate interests in any dealings with Third Parties.

## **8. Approvals and Required Consents**

- a) The Authority shall extend necessary support to agency to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the "Approvals") necessary for agency to provide the Services. The costs of such Approvals shall be borne by agency. Both parties shall give each other all co-operation and information reasonably.
- b) The Authority shall also provide necessary support to agency in obtaining the Approvals. In the event that any Approval is not obtained, Agency and the Authority shall co-operate with each other in achieving a reasonable alternative arrangement as soon as reasonably practicable for the Authority, to continue to process its work with as minimal interruption to its business operations as is commercially reasonable until such Approval is obtained, provided that agency shall not be relieved of its obligations to provide the Services and to achieve the Service Levels until the Approvals are obtained if and to the extent that agency's obligations are dependent upon such Approvals.

## **9. Agency's Obligations**

- i. SI shall engage early in active consultations with the Authority, City Traffic Police, and other key stakeholders to establish a clear and comprehensive project plan in line with the priorities of all project stakeholders and the project objectives.
- ii. SI shall assess the existing infrastructure's current ability to support the entire solution and integrate the same with the proposed solution wherever applicable and possible.
- iii. SI shall judiciously evaluate the resources and time planned for undertaking the current state assessment, given the overall timelines and milestones of the project.
- iv. SI shall be responsible for the supply of all the products/equipment/software as indicated (but not limited to) in the tentative Bill of Materials included in the RFP, and their appropriate quantity and capacity.
- v. SI shall validate/assess the re-use of the existing infrastructure, if any, with the Authority at site.
- vi. SI shall be responsible for the supply, installation, and commissioning of the entire solution at all the designated locations (field + centralized location).
- vii. SI shall install and commission connectivity across all designated locations (field + centralized location).
- viii. SI shall establish high availability, reliability, and redundancy of the network elements to meet the Service Level requirements.
- ix. SI shall ensure compliance with all mandatory government regulations as amended from time to time.
- x. The SI shall ensure that all peripherals, accessories, and sub-components required for the functionality and completeness of the solution, including but not limited to devices, equipment, accessories, patch cords (fiber), cables, software, licenses, tools, etc., are provided according to the requirements of the solution.
- xi. The Authority shall not be responsible if the SI has not provisioned some components, sub-components, assemblies, or sub-assemblies as part of the Bill of Materials in the

- RFP. The SI shall have to provision these and other similar components to meet the solution requirements at no additional cost and without time implications to the Authority.
- xii. All the software licenses that the SI proposes shall be perpetual software licenses, along with maintenance, upgrades, and updates for the duration of the contract. The software licenses shall not be restricted based on location, and the Authority shall have the flexibility to use the software licenses for other requirements if needed.
  - xiii. The SI shall ensure that there is 24x7 comprehensive onsite support for the duration of the contract for the respective components to meet the SLA requirements. The SI shall ensure that all OEMs understand the service levels required by the Authority. SI is required to provide the necessary Manufacturer Authorization Form (MAF), as per the format provided in the RFP, to support OEMs' active involvement in the project.
  - xiv. Considering the criticality of the infrastructure, SI is expected to design the solution in accordance with the RFP requirement, ensuring there is no single point of failure, and with high levels of redundancy and resilience to meet the network uptime requirements.
  - xv. SI shall be responsible for the periodic updates and upgrades of all equipment, cabling, and connectivity provided at all locations during the contract period.
  - xvi. SI has to calculate the server and storage requirements in order to satisfy the objectives as mentioned in this RFP. GMC will not bear no additional cost in this regard

### **Knowledge of Project**

Agency shall be deemed to have knowledge of the entire project and information available in connection therewith and to have satisfied itself the form and nature thereof including, the data contained in the Bidding Documents, the physical and climatic conditions, the quantities and nature of the works and materials necessary for the completion of the works, the means of access, etc. and in general to have obtained itself all necessary information of all risks, contingencies and circumstances affecting his obligations and responsibilities therewith under the Contract and his ability to perform it. However, if during pre-installation survey/during delivery or installation, agency detects physical conditions and/or obstructions affecting the work, agency shall take all measures to overcome them.

### **Project Plan**

Within 15 calendar days of effective date of the contract/Issuance of LoI, agency shall submit to the Authority for its approval a detailed Project Plan with details of the Project showing the sequence, procedure and method in which he proposes to carry out the works. The Plan so submitted by agency shall conform to the requirements and timelines specified in the Contract. The Authority and agency shall discuss and agree upon the work procedures to be followed for effective execution of the works, which agency intends to deploy and shall be clearly specified. The Project Plan shall include but not limited to project organization, communication structure, proposed staffing, roles and responsibilities, processes and tool sets to be used for quality assurance, security and confidentiality practices in accordance with industry best practices, project plan and delivery schedule in accordance with the Contract. Approval by the Authority's Representative of the Project Plan shall not relieve agency of any of his duties or responsibilities under the Contract.

If agency's work plans necessitate a disruption/shutdown in Authority's operation, the plan shall be mutually discussed and developed so as to keep such disruption/shutdown to the barest unavoidable minimum. Any time and cost arising due to failure of agency to develop/adhere such a work plan shall be to his account.

### **Adherence to safety procedures, rules regulations and restriction**

- Agency's Team shall comply with the provision of all laws including labor laws, rules, regulations and notifications issued there under from time to time. All safety and labor laws enforced by statutory agencies and by Authority shall be applicable in the performance of this Contract and Bidder's Team shall abide by these laws.
- Agency shall take all measures necessary or proper to protect the personnel, work and facilities and shall observe all reasonable safety rules and instructions. Agency's Team shall adhere to all security requirement/regulations of the Authority during the execution of the work. Authority's employee also shall comply with safety procedures/policy.
- Agency shall report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and shall take all necessary emergency control steps to avoid such abnormal situations.

### **Statutory Requirements**

During the tenure of this Contract nothing shall be done by agency or his team in contravention of any law, act and/or rules/regulations, there under or any amendment thereof governing inter-alia customs, stowaways, foreign exchange etc. and shall keep Authority indemnified in this regard.

### **10. Authority's Obligations**

- i. Authority or his/her nominated representative shall act as the nodal point for implementation of the contract and for issuing necessary instructions, approvals, commissioning, acceptance certificates, payments etc. to agency.
- ii. Authority shall ensure that timely approval is provided to agency as and when required, which may include approval of project plans, implementation methodology, design documents, specifications, or any other document necessary in fulfillment of this contract.
- iii. The Authority's representative shall interface with agency, to provide the required information, clarifications, and to resolve any issues as may arise during the execution of the Contract. Authority shall provide adequate cooperation in providing details, coordinating and obtaining of approvals from various governmental agencies, in cases, where the intervention of the Authority is proper and necessary.
- iv. Authority may provide on Bidder's request, particulars/information/or documentation that may be required by agency for proper planning and execution of work and for providing services covered under this contract and for which agency may have to coordinate with respective vendors.
- v. Authority shall provide to agency only sitting space and basic infrastructure not including, stationery and other consumables at the Authority's office locations.

- vi. Site Not Ready: Authority hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. Authority agrees that agency shall not be in any manner liable for any delay arising out of site not being ready.

## **11. Payments**

- a) Authority shall make payments to agency at the times and in the manner set out in the Payment schedule as per Payment Milestones specified in the RFP subject to the penalties as mentioned under Service Levels. Authority shall make all efforts to make payments to agency within 45 days of receipt of invoice(s) and all necessary supporting documents.
- b) All payments agreed to be made by Authority to agency in accordance with the Bid shall be inclusive of all statutory levies, duties, taxes and other charges whenever levied/applicable, if any, and Authority shall not be liable to pay any such levies/other charges under or in relation to this Contract and/or the Services.
- c) No invoice for extra work/change order on account of change order shall be submitted by agency unless the said extra work/change order has been authorized/approved by the Authority in writing in accordance with Change Control Note provided in this document.
- d) In the event of Authority noticing at any time that any amount has been disbursed wrongly to agency or any other amount is due from agency to the Authority, the Authority may without prejudice to its rights recover such amounts by other means after notifying agency or deduct such amount from any payment falling due to agency. The details of such recovery, if any, shall be intimated to agency. Agency shall receive the payment of undisputed amount under subsequent invoice for any amount that has been omitted in previous invoice by mistake on the part of the Authority or agency.
- e) All payments to agency shall be subject to the deductions of tax at source under Income Tax Act, and other taxes and deductions as provided for under any law, rule or regulation. All costs, damages or expenses which Authority may have paid or incurred, for which under the provisions of the Contract, agency is liable, the same shall be deducted by Authority from any dues to agency. All payments to agency shall be made after making necessary deductions as per terms of the Contract and recoveries towards facilities, if any, provided by the Authority to agency on chargeable basis.

## **Work Completion Timelines and Fees**

The payment schedule and milestones are divided into two phases:

- iii. Implementation Phase
- iv. Operations and Maintenance Phase

Based on the site feasibility and project survey report submitted by bidder, an approved commercial (BoM) for CAPEX and OPEX will be finalized based on which milestone wise payments will be made to the agency.

**Milestones and Payment Schedule for Implementation Phase (subject to submission and approval of deliverables)**

<b>Milestones</b>	<b>Payment Milestones for the Implementation % Payment of Time Schedule Phase</b>	<b>Payment Schedule</b>	<b>Time Schedule</b>
M1	Submission of 1. Project Inception Report, 2. Resource Deployment Plan, 3. Risks Identified and Mitigation strategy	NA	Work Order + 7 Days
M2	Submission of 1. Project Plan, 2. Manpower Attendance report	NA	Work Order + 15 Days
M3	Submission of 1. Project Survey Report, 2. Manpower Attendance report 3. FRS 4. SRS 5. Final BoM 6. System architecture diagram, 7. Junction-specific signal design plan 8. Data Flow Diagram	20% of value (Approved Capex Commercial)	Work Order + 1 month
M4	Deliver the hardware, and software components, with all necessary documents, Manpower Attendance report submission	25% of value (Approved Capex Commercial)	Work Order + 2 Months
M5	Installation of hardware and software components, Establishment of Network Connectivity. (Installation reports, and any other reports as instructed by GMC), Manpower Attendance report submission	30% of value (Approved Capex Commercial)	Work Order + 3 Months
M6	Submission of Functional Testing by Agency and submission of Performance Testing by Agency Bandwidth Testing Report at field location and centralized location Final UAT of installed components (Final UAT reports after actions taken on observations), Manpower Attendance report submission	15% of value (Approved Capex Commercial)	Work Order + 4 months

<b>Milestones</b>	<b>Payment Milestones for the Implementation % Payment of Time Schedule Phase</b>	<b>Payment Schedule</b>	<b>Time Schedule</b>
M7	Security audit, training, SOPs, Use cases and all necessary documentation hand over and Go-live (Agency needs to request GMC for Go Live certificate post submission of Final Security Audit report by CERT IN empaneled agency and provision of necessary trainings to officials and other stakeholder. GMC will verify the same and post submission of all documentations as would be necessary, GO Live will be issued to agency after ensuring that solution and components are properly working). Manpower Attendance report submission	10% of value (Approved Capex Commercial) on Go-live	Work Order + 5 months

**Milestones and Payment Schedule for Operation and Maintenance Phase (OPEX Cost)**

<b>Payment Milestones</b>	<b>Payment Schedule</b>
Year 1 Payment for O&M after Go-Live	Equated Quarterly Payments
Year 2 Payment for O&M afterGo-Live	Equated Quarterly Payment
Year 3 Payment for O&M after Go-Live	Equated Quarterly Payment
Year 4 Payment for O&M after Go-Live	Equated Quarterly Payment
Year 5 Payment for O&M after Go-Live	Equated Quarterly Payment

- Payment of Operations and Maintenance phase will be made on quarterly basis (at completion of each quarter) based on the adherence to SLA, for the amount quoted for each respective year.
- The payment shall be inclusive of Goods and Services Tax, Duties/Fees, Levies, Charges and Commissions as applicable under the relevant Local Laws or Laws of India. Should there be a change in such applicable taxes/levies/charges, the actual taxes/levies/charges on the date of billing would prevail.

- The Authority will release the payment within 45 days of submission of valid invoice subject to the condition that invoice and all supporting documents produced are in order and work is performed to the satisfaction of GMC. The Authority shall be entitled to delay or withhold the payment of any invoice or part of it delivered by agency, where it disputes such invoice or part of it provided that such a dispute is bonafide. The disputed amount shall be settled in resolution of dispute. No interest will be payable on delayed payments.

## **12. Intellectual Property Rights**

- a) Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.
- b) Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.
- c) Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by AGENCY solely during the performance of Services and for the purposes of inter-alia use or sub-license of such Services under this Contract. AGENCY undertakes to disclose all such Intellectual Property Rights arising in performance of the Services to the Authority, execute all such agreements/documents and obtain all permits and approvals that may be necessary in regard to the Intellectual Property Rights of the Authority.
- d) Pre-existing work: All intellectual property rights existing prior to the Effective Date of this Agreement shall belong to the Party that owned such rights immediately prior to the Effective Date. Subject to the foregoing, the Authority will also have rights to use and copy all intellectual property rights, process, specifications, reports and other document, drawings, manuals etc. provided or used by the AGENCY/subcontractors as part of the Scope of Works under this Agreement for the purpose of this Agreement on non-exclusive, non-transferable, perpetual, royalty-free license to use basis.
- e) COTS/ third party products: All Commercially off the Shelf (COTS) products and related solutions and fixes provided pursuant to this Agreement shall be licensed according to the terms of the license agreement packaged with or otherwise applicable to such products. Such licenses shall be brought on behalf of and in the name of the Authority or mentioning the Authority as the end user of such licenses.
- f) AGENCY shall be responsible for arranging any licenses associated with products. "Product" means any computer code, web-based services, or materials comprising commercially released, pre-release or beta products (whether licensed for a fee or no charge) and any derivatives of the foregoing which are made available to the Purchaser for license which is published by product owner or its affiliates, or a third party. "Fixes" means product fixes that are either released generally (such as commercial product service packs) or that are provided to you when performing

services (such as workarounds, patches, bug fixes, beta fixes and beta builds) and any derivatives of the foregoing. Unless otherwise specifically restricted by the Licensing Terms of the COTS products, all intellectual property rights in any development/enhancement/ customization etc. done on the COTS products pursuant to this Agreement shall be owned by the Authority.

- g) Further, the AGENCY shall be obliged to ensure that all approvals, registrations, licenses, permits and rights which are, inter-alia, necessary for use of the deliverables, goods, services, applications, services etc. provided by the AGENCY/subcontractors under this Agreement shall be acquired in the name of the Authority and to use such licenses till the Term on behalf of the Authority solely for the purpose of execution of any of its obligations under the terms of this Agreement. However, subsequent to the term of this Agreement, such approvals etc. shall endure to the exclusive benefit of the Authority.
- h) AGENCY shall not copy, reproduce, translate, adapt, vary, modify, disassemble, decompile or reverse engineer or otherwise deal with or cause to reduce the value of the Materials except as expressly authorized by Authority in writing

### **13. Taxes**

- a) AGENCY shall bear all personnel taxes levied or imposed on its personnel, or any other member of AGENCY's Team, etc. on account of payment received under this Contract. AGENCY shall bear all corporate taxes, levied or imposed on AGENCY on account of payments received by it from the Authority for the work done under this Contract.
- b) AGENCY shall bear all taxes and duties etc. levied or imposed on AGENCY under the Contract including but not limited to Sales Tax, Customs duty, Excise duty, Octroi, Service Tax, GST and relevant amendments 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 AGENCY to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. AGENCY shall also provide the Authority such information, as it may be required in regard to AGENCY'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 AGENCY original certificates for tax deduction at source and paid to the Tax Authorities.
- c) AGENCY agrees that he shall comply with the Indian Income Tax Act in force from time to time and pay Indian Income Tax, as may be imposed/levied on them by the Indian Income Tax Authorities, for the payments received by them for the works under the Contract
- d) AGENCYs shall fully familiarize themselves about the applicable domestic taxes (such as value added or sales tax, service tax, income taxes, duties, fees, levies, etc.) on amounts payable by the Authority under the Agreement. All such taxes must be

included by Bidders in the financial proposal. (Bidder to find out applicable taxes for the components being proposed.)

- e) Should AGENCY fail to submit returns/pay taxes in times as stipulated under applicable Indian/State Tax Laws and consequently any interest or penalty is imposed by the concerned authority, AGENCY shall pay the same. AGENCY shall indemnify Authority against any and all liabilities or claims arising out of this Contract for such taxes including interest and penalty by any such Tax Authority may assess or levy against the Authority/Prime Bidder.
- f) The Sales Tax/VAT on works (central or state) if levied on supplies made from indigenous vendors for the works shall be borne by AGENCY within the Contract Price. Service Tax/Terminal Sales Tax/Works Contract Tax, etc., if any applicable, shall be payable extra, at actuals by the Authority in accordance with the conditions of the Contract and upon submission of proof of payment of such taxes.
- g) The Authority shall if so required by applicable laws in force, at the time of payment, deduct income tax payable by AGENCY at the rates in force, from the amount due to AGENCY and pay to the concerned tax authority directly.

#### **14. Indemnity**

- a) AGENCY shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after Contract period out of: any negligence or wrongful act or omission by AGENCY or any third party associated with AGENCY in connection with or incidental to this Contract; or any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof
- b) Regardless of anything contained (except for AGENCY's liability for bodily injury arising out of gross negligence or wilful misconduct for which it is legally liable and it's liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of AGENCY, is restricted to the total value of the contract and AGENCY is not responsible for any third party claims.

#### **15. Warranty**

- a) Warranty and Comprehensive Annual Maintenance includes periodic maintenance services for the software, hardware and other IT infrastructure installed as part of project for a period of 5 years post GO Live.
- b) All IT and Non IT components must have Warranty for 5 years

#### **16. Firmware & Software Upgrades**

The agency shall provide firmware updates for all devices for the entire duration of contract. Regular version upgrades, security patches and feature updates to be done in the entire contract period.

## **17. Term and Extension of the Contract**

- a) The Contract period shall commence from the date of signing of contract or Issuance of LoI, whichever is earlier, and shall remain valid for 5 years and 5 months from the date of signing of contract.
- b) If the delay occurs due to circumstances beyond control of AGENCY such as strikes, lockouts, fire, accident, defective materials, delay in approvals or any cause whatsoever beyond the reasonable control of AGENCY, a reasonable extension of time shall be granted by the Authority.
- c) The Authority shall reserve the sole right to grant any extension to the term abovementioned and shall notify in writing to AGENCY, at least 3 (three) months before the expiration of the Term hereof, whether it shall grant AGENCY an extension of the Term. The decision to grant or refuse the extension shall be at the Authority's discretion and such extension of the contract, if any, shall be as per terms agreed mutually between the Authority and AGENCY.
- d) Where the Authority is of the view that no further extension of the term be granted to AGENCY, the Authority shall notify AGENCY of its decision at least 3 (three) months prior to the expiry of the Term. Upon receipt of such notice, AGENCY shall continue to perform all its obligations hereunder, until such reasonable time beyond the Term of the Contract within which, the Authority shall either appoint an alternative AGENCY or create its own infrastructure to operate such Services as are provided under this Contract.

## **18. Dispute Resolution**

- a) In case, a dispute is referred to arbitration, the arbitration shall be under the Indian Arbitration and Conciliation Act, 1996 and any statutory modification or re-enactment thereof.
- b) If during the subsistence of this Contract or thereafter, any dispute between the Parties hereto arising out of or in connection with the validity, interpretation, implementation, material breach or any alleged material breach of any provision of this Contract or regarding any question, including as to whether the termination of this Contract by one Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably and/or by Conciliation to be governed by the Arbitration and Conciliation Act, 1996 or as may be agreed to between the Parties. The attempt to bring about an amicable settlement is considered to have failed as soon as one of the Parties hereto, after reasonable attempts; which attempt shall continue for not less than thirty (30) days, gives thirty (30) day notice to refer the dispute to arbitration to the other Party in writing.
- c) The Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996.
  - The Arbitration proceedings shall be held in Gandhinagar, Gujarat, India.
  - The Arbitration proceeding shall be governed by the substantive laws of India.
  - The proceedings of Arbitration shall be in Hindi/English language.
  - Except as otherwise provided elsewhere in the contract if any dispute, difference, question or disagreement arises between the parties hereto or their respective

representatives or assignees, at any time in connection with construction, meaning, operation, effect, interpretation or out of the contract or breach thereof the same shall be referred to a Tribunal of three (3) Arbitrators, constituted as per the terms of and under the (Indian) Arbitration and Conciliation Act, 1996. Each party to the contract shall appoint/nominate one Arbitrator each, the two Arbitrators so appointed/nominated by the Parties herein shall together choose the third Arbitrator, who shall be the Presiding Arbitrator of the Tribunal. The consortium of the three Arbitrators shall form the Arbitral Tribunal.

- In case, a party fails to appoint an arbitrator within 30 days from the receipt of the request to do so by the other party or the two Arbitrators so appointed fail to agree on the appointment of third Arbitrator within 30 days from the date of their appointment upon request of a party, the Chief Justice of the Gujarat High Court or any person or institution designated by him shall appoint the Arbitrator/Presiding Arbitrator upon request of one of the parties.
- Any letter, notice or other communications dispatched to AGENCY relating to either arbitration proceeding or otherwise whether through the post or through a representative on the address last notified to the Authority by AGENCY shall be deemed to have been received by AGENCY although returned with the remarks, refused 'undelivered' where about not known or words to that effect or for any other reasons whatsoever
- If the Arbitrator so appointed dies, resigns, incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the Authority to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.
- It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation of arbitration and not thereafter.
- It is also a term of the contract that neither party to the contract shall be entitled for any interest on the amount of the award.
- The Arbitrator shall give reasoned award and the same shall be final, conclusive and binding on the parties.
- The fees of the arbitrator, costs and other expenses incidental to the arbitration proceedings shall be borne equally by the parties.

#### **19. Conflict of Interest**

AGENCY shall disclose to the Authority in writing, all actual and potential conflicts of interest that exist, arise or may arise (either for AGENCY or AGENCY's Team) in the course of performing the Services as soon as practical after it becomes aware of that conflict.

#### **20. Publicity**

AGENCY shall not make or permit to be made a public announcement or media release about any aspect of this Contract unless the Authority first gives AGENCY its written consent.

#### **21. Force Majeure**

- a) Force Majeure shall not include any events caused due to acts/omissions of AGENCY resulting in a breach/contravention of any of the terms of the Contract and/or AGENCY's Bid. It shall also not include any default on the part of AGENCY due to its negligence or failure to implement the stipulated/proposed precautions, as were required to be taken under the Contract.
- b) The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, Vandalism (due to Law & Order situation), Terrorism, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of AGENCY in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.
- c) In case of a Force Majeure, all Parties shall endeavor to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.

## **22. Delivery**

- a) AGENCY shall bear the cost for packing, transport, insurance, and delivery of all the goods for RFP for Selection of Agency for **Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**
- b) The goods and manpower supplied under this Contract shall conform to the standards mentioned in the RFP, and, when no applicable standard is mentioned, to the authoritative standards; such standard shall be approved by Authority.
- c) AGENCY shall only procure the hardware and software after approvals from a designated Committee/Authority.

## **23. Insurance**

- a) The goods supplied under this Contract shall be comprehensively insured by AGENCY at his own cost, against any loss or damage, for the entire period of the contract. AGENCY shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.

- b) AGENCY 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 AGENCY.
- c) AGENCY shall take out and maintain at its own cost, on terms and conditions approved by the Authority, insurance against the risks, and for the coverage's, as specified below; a. At the Authority's request, shall provide evidence to the Authority showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid. b. Employer's liability and workers' compensation insurance in respect of the personnel of the Company, in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such personnel, any such life, health, accident, travel or other insurance as may be appropriate.

#### **24. Transfer of Ownership**

- a) AGENCY 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 AGENCY. AGENCY is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by AGENCY for the use of GMC. For any pre-existing work, AGENCY and GMC shall be held jointly responsible and its use in any other project by AGENCY shall be decided on mutual consent.
- b) Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by the Authority, AGENCY shall deliver to the Authority all Documents provided by or originating from the Authority and all Documents produced by or from or for AGENCY in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. AGENCY shall not, without the prior written consent of the Authority store, copy, distribute or retain any such Documents.

#### **Exit Management**

In case of project closure / termination / expiry of contract, the agency shall ensure smooth transition by:

- Exit Plan to be submitted by agency to GMC
- Handing over all project related assets, source code, configurations, and documentation to GMC.
- Supporting GMC or its replacement SI during the transition period.
- Ensuring continuity of operations until successful handover.
- Payment during the exit period will be made to the agency as per payment terms under O&M phase.

- Exit Management Period and Support from agency will be for a minimum 1 month period or for period as agreed mutually between GMC and the Agency. Authority's decision in this regard will be final.

**i. Confidential Information, Security and Data**

Agency will promptly on the commencement of the exit management period, supply to the GMC or its nominated agencies the following:

- a. Information relating to the current services rendered and performance data relating to the performance of the services; Documentation relating to Surveillance Project, Project's Intellectual Property Rights; any other data and confidential information related to the Project;
- b. Project data as is reasonably required for purposes of the Project or for transitioning of the services to its Replacing agency in a readily available format.
- c. All other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable the GMC and its nominated agencies, or its Replacing Vendor to carry out due diligence in order to transition the provision of the Services to GMC or its nominated agencies, or its Replacing agency (as the case may be).

**ii. Employees**

Promptly on reasonable request at any time during the exit management period, the agency shall, subject to applicable laws, restraints and regulations (including in particular those relating to privacy) provide to GMC a list of all employees (with job titles and communication address) of the agency, dedicated to providing the services at the commencement of the exit management period; To the extent that any Transfer Regulation does not apply to any employee of the agency, GMC or Replacing agency may make an offer of contract for services to such employee of the agency and the agency shall not enforce or impose any contractual provision that would prevent any such employee from being hired by the GMC or any Replacing agency.

**iii. Rights of Access to Information**

At any time during the exit management period, the agency will be obliged to provide an access of information to GMC and / or any Replacing Vendor in order to make an inventory of the Assets (including hardware / Software / Active / passive), documentation, manuals, catalogs, archive data, Live data, policy documents or any other material related to the Project.

**25.Scope Extension**

The Authority reserves right to extend the scope of services for the price and timelines as given in Annexures to this Agreement. The SLAs applicable to this Contract shall be liable for the additional items too.

**26.Service Level Agreement (SLA) and Penalties**

### SLAs during CAPEX Phase

This section defines the minimum service levels to be maintained by the Selected Agency during the CAPEX Phase and Operations & Maintenance (O&M) period. The SLA will be monitored by Gandhinagar Municipal Corporation through periodic reports, system dashboards, and audits.

Failure to meet the SLAs shall attract penalties as defined under this section.

The following table shows SLAs shall be used to evaluate the timelines for completion of deliverables till Go-Live.

### Penalty during CAPEX Phase

Definition	Timely delivery of deliverables would comprise entire bill of material and the application systems, and as per successful UAT of the same.
Service Level Requirement	All the deliverables defined in the contract has to be submitted on-time on the date as mentioned in the contract with no delay.
Measurement of Service Level Parameter	To be measured in number of weeks of delay from the timelines mentioned in the RFP
Penalty for Non achievement of SLA Requirement	Any delay in the delivery of the project deliverables (solely attributable to vendor) would attract a liquidated damage per week of 0.5% of the CAPEX of approved commercial value (for CAPEX) per week for first 8 weeks and 0.7% per week for every subsequent week.  If the liquidated damage / Penalty reaches 10% of the total contract value, GMC may invoke termination clause.

### SLAs during O&M Phase

#### SLA for Partial/Full damage to hardware

- Hardware installed through this Project would become an important public asset. During the contract period of the Project the BIDDER shall be required to repair / replace any equipment if stolen / damaged/faulty. Appropriate insurance cover must be provided to all the equipment supplied under this project.
- In case of Partial/ Full damage or loss of the equipment (hardware) due to reasons beyond the control like Theft, intentional damage by mishandling, Fire etc., the BIDDER should be in a position to supply working standby equipment with same configuration or higher with all services restored. If the BIDDER does not provide standby equipment, the penalties for breakdown as per SLAs will be imposed.
- Service Engineers/ Representatives of BIDDER shall invariably carry their identity cards with them, without which they will not be allowed to access department

Systems. Service Engineers of the BIDDER shall have access to the Computer Systems/ Backup Solution only after obtaining clearance from department authorized officials. No component of the System/ data/ log information will be taken out of department premises without clearance from authorized Officials of the department.

Sr No	Uptime SLA (Monthly)	Penalty Clause
1	Uptime >= 98%	No Deduction
2	Uptime < 98%	(98% - Uptime %) of Monthly Operational Expense for the specific component.

**NOTE:**

- Planned downtime (during non-working hours) is not considered for penalty calculation. The vendor will have to take at least 3 days prior permission from the Department for the planned downtime.
- The penalty shall be calculated on a monthly basis, and it would be the responsibility of the successful selected agency to provide the tool for monitoring of the Software SLAs. Due to any Force Majeure or any genuine reason not in bidder's control, if a delay or any variation occurs in the timeline, the bidder must inform the Department prior, and post verification and acceptance by the department in such cases, the penalty will not be applicable.
- Any incident raised by authority through various communication channels like email / whatsapp / letter / over phone / verbal interaction with regard to failure of component must be recorded by the agency and closure of the incident must be informed to authority with incident raised date and time and incident closed date and time.
- Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

**SLA for Software Support**

Any software bug identified by the department will be classified into types:

- Critical: Having a bearing on the day-to-day functioning of the respective system/availability of the application (full functionality or part functionality) for the Department and end users.
- Non-critical: Not having a bearing on the day-to-day functioning of the respective system.
- In case of a dispute between the Department and the Agency with respect to the classification of bugs as Critical or Non-Critical, the decision of the department shall be final and binding on the successful bidder.
- Resolution time & the penalty component for bug fixing is given below (applicable on a 24/7 basis):

Sr No	Parameter	Resolution Time	Penalty Amount
-------	-----------	-----------------	----------------

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

1	Critical	24 hours	Rs. 500/- per hour beyond 24 hours, and Rs. 1000/- per hour beyond 72 hours.
2	Non- Critical	5 working Days	Rs. 500/- per day beyond 5 days, and Rs. 1000/- per day beyond 7 days.

**Note: -**

- Planned downtime (during non-working hours) is not considered for penalty calculation. The vendor will have to take at least 3 days prior permission from the Department for the planned downtime.
- The penalty shall be calculated on a monthly basis, and it would be the responsibility of the successful selected agency to provide the tool for monitoring of the Software SLAs without any additional cost to GMC and provide monthly reports generated through this tool to GMC for measurement of Service Level Parameters of all softwares. Due to any Force Majeure or any genuine reason not in bidder's control, if a delay or any variation occurs in the timeline, the bidder must inform the Department prior, and post verification and acceptance by the department in such cases, the penalty will not be applicable.
- The successful bidder will have to maintain strict privacy and confidentiality of all the data its employees gets access to. Adequate provisions must be made to not allow unrestricted access to the data to people in the organization who do not have necessary permissions. A penalty of Rs. 1,00,000/- would be charged on default of this service condition for each occurrence.
- In case of three consecutive monthly deductions totaling to more than 10% of the applicable payment for the specific softwares, authority reserves the right to terminate the contract.
- Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

**Operation & Maintenance**

Availability of required application, server, storage, network, hardware & software

During the Operation & Management period the implementing bidder is expected to keep the Technology and Performance levels above the specified level. It will be the responsibility of the implementing bidder to make available the necessary hardware & design and code the software to ensure application is measurable in terms of uptime and performance.

Sr No	Service level parameter	Baseline Metric	Penalty	Basis for measurement
1	Uptime	>99%	For an uptime as an average of all components, below 99%, 0.5% of the total OPEX cost for the respective month will be	The measurement of the service availability will be based on the reports generated through Network monitoring tools. This

			<p>imposed as penalty for every additional percentage of downtime.                  Note: The uptime average will be rounded up for decimal values equal to or above 0.5 and rounded down for decimal values below 0.5 to arrive at the final average uptime for a particular month.</p>	<p>tool needs to be supplied by agency at no cost to GMC and monthly reports to be shared with GMC for measurement of Service level Parameters of all Components.</p>
--	--	--	--	---

Any decision on SLA measurement criteria to be added or modified will done with mutual consent of GMC and Agency. Authority' decision in this regard will be final.

## 27. Key Personnel

- Initial Composition: Full Time Obligation; Continuity of Personnel
  - a. The agency shall deploy manpower as stated in the Key personnel section of the RFP. Manpower Attendance Report is compulsory on submission of invoices to GMC.
  - b. Agency should not make any changes to the composition of the project team and not require or request any member of the project team to cease or reduce his or her involvement in the provision of the Services during the defined term of the engagement unless that person resigns, is terminated for cause, is long-term disabled, is on permitted mandatory leave under Applicable Law or retires.
  - c. In any such case, the Authority's prior written consent would be mandatory.

## 28. Evaluations

Agency should carry out an evaluation of the performance of each member of the Key Personnel in connection with the Services at least once in each Contract Year. Agency should provide reasonable written notice to Authority of the date of each evaluation of each member of the Key Personnel. Authority shall be entitled to provide inputs to the agency for each such evaluation. Agency shall promptly provide the results of each evaluation to Authority, subject to Applicable Law.

## 29. Replacement

- a. In case any proposed resource resigns, then the agency has to inform Authority within one week of such resignation.
- b. agency should promptly initiate a search for a replacement to ensure that the role of any member of the project team is not vacant at any point in time during the contract period, subject to reasonable extensions requested by agency to Authority.

- c. Before assigning any replacement member of the project team to the provision of the Services, Agency should provide Authority with:
  - i. A resume, curriculum vitae and any other information about the candidate that is reasonably requested by Authority; and
  - ii. An opportunity to interview the candidate.
- d. The agency has to provide replacement resource of equal or better qualification and experience as per the requirements of this RFP.
- e. If Authority objects to the appointment, agency shall not assign the individual to that position and shall seek an alternative candidate in accordance with the resource requirements of this RFP.
- f. The agency needs to ensure at sufficient days of overlap period in such replacements. Authority will not be responsible for any knowledge transition to the replacement resource and any impact/escalation of cost incurred by the agency due to resource replacement.

## Special Conditions of Contract (SCC)

### 30. Performance Security

#### 30.1

- A. Within ten (10) working days from the date of issuance of Work Order, the successful Bidder shall at his own expense furnish an irrevocable and unconditional **guarantee from a bank (Performance Security) as per Annexure -5** to the Authority, for an amount equal to 5% (five percent) of the total contract price. In case of the bids mentioned below, the successful bidder, along with the Performance Security, shall also furnish to the Authority, an irrevocable and unconditional guarantee from a bank in the same form as per Annexure 5 towards an Additional Performance Security. The Additional Performance Security for an amount calculated under:
  - a) If the contract price, offered by the Selected Bidder is lower than 10% but upto 20% of the estimated project cost, then the additional Performance Security shall be calculated @20% of the difference in the (i) Estimated Project Cost – Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected bidder.
  - b) If the contract Price offered by the Selected Bidder is lower than 20% of Estimated Project Cost, then the Additional Performance Security shall be calculated @30% of the difference in the (i) Estimated Project Cost – Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected bidder.
  - c) This Additional Performance Security shall be treated as part of the Performance Security.
- B. The Performance Security shall be valid beyond 60 (sixty) days after the end date of Contract and the Additional Performance Security shall be valid beyond 28 (twenty eight) days of the Project Completion Date .

#### 30.2

If the performance Security is provided by the successful bidder in the form of a Bank Guarantee, it shall be issued either (a) at the bidder's option, by a Nationalized / scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Authority. As per GoG Finance Department's circular no. FD / MSM / e-file / 4 / 2023/ 0057 / D.M.O date 21/04/2023 or as per their latest amendment.

### 30.3

Failure of the successful bidder to comply the requirement of Sub-Clause 7.3.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the bid security / EMD. PBG shall be invoked by Authority, in the event the Bidder:

- fails to meet the overall penalty condition as mentioned in RFP or any changes agreed between the parties,
- fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority,
- Misrepresents facts/information submitted to Authority.

### 30.4

The performance bank guarantee may be discharged/returned by Authority upon being satisfied that there has been due performance of the obligations of the bidder under the contract and issuance of completion certificate by the authority. However, no interest shall be payable on the performance bank guarantee.

In the event of the Bidder being unable to service the contract for whatever reason(s), Authority shall have the right to invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of Authority under the contract in the matter, the proceeds of the PBG shall be payable to Authority as compensation for any loss resulting from the bidder's failure to perform/comply its obligations under the contract.

Authority shall notify the bidder in writing of the exercise of its right to receive such compensation within 40 days, indicating the contractual obligation(s) for which the bidder is in default. Authority shall also be entitled to make recoveries from the bidder's bills, performance bank guarantee, or from any other amount due to him, an equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

In case the project is delayed beyond the project schedule as mentioned in RFP, the performance bank guarantee shall be accordingly extended by the Bidder till completion of extended period.

On satisfactory performance and completion of the order in all respects and duly certified to this effect by the Project Coordinator, Contract Completion Certificate shall be issued and the Performance Security and Additional Performance Security would be returned to the Bidder.

## 31. Liquidated Damages

- a) If AGENCY fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damage per week of 0.5% of the CAPEX of approved commercial value per week for first 8 weeks and 0.7% per week for every subsequent week..
- b) The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to

AGENCY in its hands (which includes the Authority's right to claim such amount against AGENCY's Bank Guarantee) or which may become due to AGENCY. Any such recovery or liquidated damages shall not in any way relieve AGENCY from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.

- c) Delay not attributable to AGENCY shall be considered for exclusion for the purpose of computing liquidated damages.

### **32. Limitation of Liability:**

- a) Limitation of Bidder's Liability towards the Authority:

Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.

Except in case of gross negligence or willful misconduct on the part of AGENCY or on the part of any person or company acting on behalf of AGENCY in carrying out the Services,

- b) AGENCY, with respect to damage caused by AGENCY to Authority's property, shall not be liable to Authority:
- for any indirect or consequential loss or damage; and
  - for any direct loss or damage that exceeds the total payments payable under the Contract to AGENCY hereunder,
- c) This limitation of liability shall not affect AGENCY liability, if any, for damage to Third Parties caused by AGENCY or any person or company acting on behalf of AGENCY in carrying out the Services.

### **33. Ownership and Retention of Documents**

- a) The Authority shall own the Documents, prepared by or for AGENCY arising out of or in connection with the Contract.
- b) Forthwith upon expiry or earlier termination of this Contract and at any other time on demand by the Authority, AGENCY shall deliver to the Authority all documents provided by or originating from the Authority and all documents produced by or for AGENCY in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. AGENCY shall not, without the prior written consent of the Authority store, copy, distribute or retain any such documents.

### **34. Information Security**

- a) AGENCY shall not carry any written/printed document, layout diagrams, CD, hard disk, storage tapes, other storage devices or any other goods/material proprietary to Authority into/out of any location without written permission from the Authority.
- b) AGENCY shall not destroy any unwanted documents, defective tapes/media present at any location on their own. All such documents, tapes/media shall be handed over to the Authority.

- c) All documentation and media at any location shall be properly identified, labeled and numbered by AGENCY. AGENCY shall keep track of all such items and provide a summary report of these items to the Authority whenever asked for.
- d) Access to Authority's data and systems, Internet facility by AGENCY at any location shall be in accordance with the written permission by the Authority. The Authority shall allow AGENCY to use facility in a limited manner subject to availability. It is the responsibility of AGENCY to prepare and equip himself in order to meet the requirements.
- e) AGENCY must acknowledge that Authority's business data and other Authority proprietary information or materials, whether developed by Authority or being used by Authority pursuant to a license agreement with a third party (the foregoing collectively referred to herein as "proprietary information") are confidential and proprietary to Authority; and AGENCY along with its team agrees to use reasonable care to safeguard the proprietary information and to prevent the unauthorized use or disclosure thereof, which care shall not be less than that used by AGENCY to protect its own proprietary information. AGENCY recognizes that the goodwill of Authority depends, among other things, upon AGENCY keeping such proprietary information confidential and that unauthorized disclosure of the same by AGENCY or its team could damage the goodwill of Authority, and that by reason of AGENCY's duties hereunder. AGENCY may come into possession of such proprietary information, even though AGENCY does not take any direct part in or furnish the services performed for the creation of said proprietary information and shall limit access thereto to employees with a need to such access to perform the services required by this agreement. AGENCY shall use such information only for the purpose of performing the said services.
- f) AGENCY shall, upon termination of this agreement for any reason, or upon demand by Authority, whichever is earliest, return any and all information provided to AGENCY by Authority, including any copies or reproductions, both hardcopy and electronic.
- g) By virtue of the Contract, AGENCY team may have access to personal information of the Authority and/or a third party. The Authority has the sole ownership of and the right to use, all such data in perpetuity including any data or other information pertaining to the citizens that may be in the possession of AGENCY team in the course of performing the Services under the Contract

### **35. Records of contract documents**

- a) AGENCY shall at all-time make and keep sufficient copies of the process manuals, operating procedures, specifications, Contract documents and any other documentation for him to fulfil his duties under the Contract.
- b) AGENCY shall keep on the Site at least three copies of each and every specification and Contract Document, in excess of his own requirement and those copies shall be available at all times for use by the Authority's Representative and by any other person authorized by the Authority's Representative.

### **36. Security and Safety**

- a) AGENCY shall comply with the directions issued from time to time by the Authority and the standards related to the security and safety, in so far as it applies to the provision of the Services.
- b) AGENCY shall upon reasonable request by the Authority, or its nominee(s) participate in regular meetings when safety and information technology security matters are reviewed.

### **37. Confidentiality**

- a) AGENCY shall not, either during the term or after expiration of this Contract, disclose any proprietary or confidential information relating to the Services/Contract and/or Authority's business/operations, information, Application/software, hardware, business data, architecture schematics, designs, storage media and other information/documents without the prior written consent of the Authority.
- b) The Authority reserves the right to adopt legal proceedings, civil or criminal, against AGENCY in relation to a dispute arising out of breach of obligation by AGENCY under this clause.
- c) AGENCY shall do everything reasonably possible to preserve the confidentiality of the Confidential Information including execution of a confidentiality agreement with the Authority to the satisfaction of the Authority.
- d) AGENCY shall notify the Authority promptly if it is aware of any disclosure of the Confidential Information otherwise than as permitted by the Contract or with the authority of the Authority.
- e) AGENCY shall be liable to fully recompense the Authority for any loss of revenue arising from breach of confidentiality.

### **38. Events of Default by AGENCY**

- i. The failure on the part of AGENCY to perform any of its obligations or comply with any of the terms of this Contract shall constitute an Event of Default on the part of AGENCY. The events of default are but not limited to:
  - a. AGENCY/Bidder's Team has failed to perform any instructions or directives issued by the Authority which it deems proper and necessary to execute the scope of work or provide services under the Contract, or
  - b. AGENCY/Bidder's Team has failed to confirm/adhere to any of the key performance indicators as laid down in the Key Performance Measures/Service Levels, or if AGENCY has fallen short of matching such standards/benchmarks/targets as the Authority may have designated with respect to the system or any goods, task or service, necessary for the execution of the scope of work and performance of services under this Contract. The above mentioned failure on the part of AGENCY may be in terms of failure to adhere to performance, quality, timelines, specifications, requirements or any other criteria as defined by the Authority;
  - c. AGENCY has failed to remedy a defect or failure to perform its obligations in accordance with the specifications issued by the Authority, despite being served with a default notice which laid down the specific deviance on the part

- of AGENCY/AGENCY's Team to comply with any stipulations or standards as laid down by the Authority; or
- d. AGENCY/AGENCY's Team has failed to adhere to any amended direction, instruction, modification or clarification as issued by the Authority during the term of this Contract and which the Authority deems proper and necessary for the execution of the scope of work under this Contract.
  - e. AGENCY/AGENCY's Team has failed to demonstrate or sustain any representation or warranty made by it in this Contract, with respect to any of the terms of its Bid, the RFP and this Contract.
  - f. There is a proceeding for bankruptcy, insolvency, winding up or there is an appointment of receiver, liquidator, assignee, or similar official against or in relation to AGENCY.
  - g. AGENCY/Bidder's Team has failed to comply with or is in breach or contravention of any applicable laws.
- ii. Where there has been an occurrence of such defaults inter alia as stated above, the Authority shall issue a notice of default to AGENCY, setting out specific defaults / deviances / omissions / non-compliances / non-performances and providing a notice of thirty (30) days to enable such defaulting party to remedy the default committed.
  - iii. Where despite the issuance of a default notice to AGENCY by the Authority, AGENCY fails to remedy the default to the satisfaction of the Authority, the Authority may, where it deems fit, issue to the defaulting party another default notice or proceed to contract termination.

### **39. Termination**

The Authority may, terminate this Contract in whole or in part by giving AGENCY a prior and written notice indicating its intention to terminate the Contract under the following circumstances:

- a) Where the Authority is of the opinion that there has been such Event of Default on the part of AGENCY/AGENCY's Team which would make it proper and necessary to terminate this Contract and may include failure on the part of AGENCY to respect any of its commitments with regard to any part of its obligations under its Bid, the RFP or under this Contract.
- b) Where it comes to the Authority's attention that AGENCY (or AGENCY's Team) is in a position of actual conflict of interest with the interests of the Authority, in relation to any of terms of AGENCY's Bid, the RFP or this Contract.
- c) Where AGENCY's ability to survive as an independent corporate entity is threatened or is lost owing to any reason whatsoever, including inter-alia the filing of any bankruptcy proceedings against AGENCY, any failure by AGENCY to pay any of its dues to its creditors, the institution of any winding up proceedings against AGENCY or the happening of any such events that are adverse to the commercial viability of AGENCY. In the event of the happening of any events of the above nature, the Authority shall reserve the right to take any steps as are necessary, to ensure the effective transition of the sites pilot site to a successor agency, and to ensure business continuity.

- d) Termination for Insolvency: The Authority may at any time terminate the Contract by giving written notice to AGENCY, without compensation to AGENCY, if AGENCY becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Authority.
- e) AGENCY 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.

#### **40. Consequence of Termination**

- a) In the event of termination of the Contract due to any cause whatsoever, whether consequent to the stipulated Term of the Contract or otherwise the Authority shall be entitled to impose any such obligations and conditions and issue any clarifications as may be necessary to ensure an efficient transition and effective business continuity of the project which AGENCY shall be obliged to comply with and take all available steps to minimize loss resulting from that termination/breach, and further allow and provide all such assistance to the Authority and/or the successor agency/service provider, as may be required, to take over the obligations of AGENCY in relation to the execution/continued execution of the requirements of the Contract.
- b) Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of AGENCY or due to the fact that the survival of AGENCY 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 AGENCY, shall pay AGENCY for that part of the Services which have been authorized by the Authority and satisfactorily performed by AGENCY 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 AGENCY as may be required to offset any losses caused to the Authority as a result of any act/omissions of AGENCY. In case of any loss or damage due to default on the part of AGENCY in performing any of its obligations with regard to executing the Schedule of Requirements under the contract, AGENCY 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 AGENCY 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 AGENCY's Bid, the Bid Document and the Contract
- c) Nothing herein shall restrict the right of the Authority to invoke the Bank Guarantee and other Guarantees furnished hereunder and pursue such other rights and/or remedies that may be available to the Authority under law.

- d) The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.

### **Fraud and Corruption**

GMC requires that agency must observe the highest standards of ethics during the execution of the contract. In pursuance of this policy, GMC defines, for the purpose of this provision, the terms set forth as follows:

- a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of GMC in contract executions.
- b. "Fraudulent practice" means a mis-presentation of facts, in order to influence a procurement process or the execution of a contract, to GMC, and includes collusive practice among bidders (prior to or after Proposal submission) designed to establish Proposal prices at artificially high or non-competitive levels and to deprive GMC of the benefits of free and open competition.
- c. "Unfair trade practices" means supply of services different from what is ordered on, or change in the Scope of Work which is given by the GMC in RFP.
- d. "Coercive Practices" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of contract.
- e. If it is noticed that the agency has indulged into the Corrupt / Fraudulent / Unfair / Coercive practices, it will be a sufficient ground for GMC for termination of the contract and initiate black-listing of the agency.

### **Miscellaneous**

#### **a. Standards of Performance**

The agency shall provide the services and carry out their obligations under the Contract with due diligence, efficiency and professionalism/ethics in accordance with generally accepted professional standards and practices. The agency shall always act in respect of any matter relating to this contract. The agency shall abide by all the provisions/Acts/Rules/Regulations, Standing Orders, etc. of Information Technology as prevalent in the country. The agency shall also conform to the standards laid down by GMC/Government of Gujarat/Government of India from time to time.

#### **b. Sub Contracts**

All the personnel working on the project and having access to the Servers / data should be on payroll of the Systems Integrator. Sub-contracting/outsourcing would be allowed only for work like

- Passive Networking and Civil Work during implementation
- Services delivered by the respective Product Vendors / OEMs
- Staff for non- IT support during post-implementation

The bidder is expected to provide details of the sub-contractors for the work which is allowed as mentioned in the clause. Use of personnel not on payroll of the agency shall be

considered as sub-contracting. The agency shall take prior approval from GMC for sub-contracting any allowed work as mentioned in clause, if not already specified in the proposal and approved by GMC. Such sub-contracting shall not relieve the agency from any liability or obligation under the Contract. The agency shall solely responsible for the work carried out by subcontracting under the contract.

**c. Care to be taken while working at Public Place**

Agency should follow instructions issued by *concerned Competent Authority and GMC* from time to time for carrying out work at public places. Agency should ensure that there is no damage caused to any private or public property. In case such damage is caused, Agency shall immediately bring it to the notice of concerned organization and GMC in writing and pay necessary charges towards fixing of the damage. Agency should also ensure that no traffic *congestion/public inconvenience* is caused while carrying out work at public places. Agency shall ensure that its employees/representatives don't breach privacy of any citizen or establishment during the course of execution or maintenance of the project.

**d. Compliance with Labour regulations**

The agency shall pay fair and reasonable wages to the workmen employed by him, for the contract undertaken by him and comply with the provisions set *forth* under the Minimum wages Act and *the Contract Labour Act 1970*.

**e. Notices**

Any notice or other document, which may be given by either Party under this Agreement, shall be given in writing in person or by pre-paid recorded delivery post. In relation to a notice given under this Agreement, any such notice or other document shall be addressed to the other Party's principal or registered office address as set out below

**GMC:**

Deputy Municipal Commissioner, GMC

**Agency:**

\_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

Any notice or other document shall be deemed to have been given to the other Party when delivered (if delivered in person) if delivered between the hours of 9.30 am and 5.30 pm at the address of the other Party set forth above or on the next working day thereafter if delivered outside such hours, and 7 calendar days from the date of posting (if by letter).

**f. Stamp Duty**

The stamp duty payable for the contract shall be borne by the Agency

**Applicable Law**

The contract shall be governed by the laws and procedures prescribed by the Laws prevailing and in force in India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing. All legal disputes are subject to the jurisdiction of \_\_\_\_\_ courts only.

**Attachments to the Agreement:**

1. Scope of Services for the agency (Annexure )
2. Detail Commercial proposal of the agency accepted by GMC (Annexure )
3. SLA to be adhered by the agency (Annexure )
4. Corrigendum Document published by GMC subsequent to the RFP for this work (Annexure )
5. RFP Document of GMC for this work (Annexure )
6. LoI issued by the GMC to the agency (Annexure )
7. Acceptance of LoI by Agency (Annexure )
8. Work Order issued by GMC to agency
9. The agency's "Technical Proposal" and "Commercial Proposal" submitted in response to the RFP (Annexure )

**41. Change Control Note (CCN)**

- a) This applies to and describes the procedure to be followed in the event of any proposed change to contract, site Implementation, and Service levels. Such change shall include, but shall not be limited to, changes in the scope of services provided by AGENCY and changes to the terms of payment.
- b) Change requests in respect of the contract, the site implementation, or the Service levels shall emanate from the Parties' representative who shall be responsible for obtaining approval for the change and who shall act as its sponsor throughout the Change Control Process and shall complete Part A of the CCN (as per format). CCNs shall be presented to the other Party's representative who shall acknowledge receipt by signature of the authorized representative of the Authority.
- c) AGENCY and the Authority while preparing the CCN, shall consider the change in the context of whether the change is beyond the scope of Services including ancillary and concomitant services required. The CCN shall be applicable for the items which are beyond the stated/implied scope of work as per the RFP document.
- d) AGENCY shall assess the CCN and complete Part B of the CCN. In completing Part B of the CCN, AGENCY shall provide as a minimum:
  - a description of the change;
  - a list of deliverables required for implementing the change;
  - a timetable for implementation;
  - an estimate of any proposed change; or any relevant acceptance criteria;
  - an assessment of the value of the proposed change;
  - Material evidence to prove that the proposed change is not already covered within the scope of the RFP, Agreement and Service Levels.
- e) Prior to submission of the completed CCN to the Authority or its nominated agencies, AGENCY shall undertake its own internal review of the proposal and obtain all

necessary internal approvals. As a part of this internal review process, AGENCY shall consider the materiality of the proposed change in the context of the Agreement, the sites, Service levels affected by the change and the total effect that may arise from implementation of the change.

- f) 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 AGENCY meets the obligations as set in the CCN. In the event AGENCY 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 AGENCY. Change requests and CCNs shall be reported monthly to each Party's representative who shall prioritize and review progress.

**42. Format for Change Control Note**

<b>Change Control Note</b>		<b>CCN Number:</b>
<b>Part A: Initiation</b>		
Title		
Originator		
Sponsor		
Date of Initiation		
<b>Details of Proposed Change</b>		
(To include reason for change and appropriate details/specifications. Identify any attachments as A1, A2, and A3 etc.)		
Authorized by Authority	Date	
Name		
Signature		
Received by the Bidder	Date	
Name		
Signature		
Change		
<b>Change Control Note</b>		<b>CCN Number:</b>
<b>Part B: Evaluation</b>		
(Identify any attachments as B1, B2, and B3 etc.) Changes to Services, payment terms, payment profile, documentation, training, service levels and component working arrangements and any other contractual issue.		
<b>Brief Description of Solution:</b>		
<b>Deliverables:</b>		
<b>Timetable:</b>		
<b>Charges for Implementation:</b>		
<b>Other Relevant Information:</b> (including value-added and acceptance criteria)		
Authorized by Authority	Date	
Name		
Signature		
<b>Change Control Note</b>		<b>CCN Number:</b>
<b>Part C: Authority to Proceed</b>		
Implementation of this CCN as submitted in Part A, in accordance with Part B is: (tick as appropriate)		

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

<b>Approved</b>	
<b>Rejected</b>	
<b>Requires Further Information</b> (as follows, or as Attachment 1 etc.)	
<b>For Authority and its nominated agencies</b>	<b>For AGENCY</b>
Signature	Signature

**Applicable Law**

The contract shall be governed by the laws and procedures prescribed by the Laws prevailing and in force in India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing. All legal disputes are subject to the jurisdiction of Gandhinagar courts only.

NOW THESE PRESENTS WITNESS and the parties hereto hereby agree and declare as follows, that is to say, in consideration of the payments to be made to Agency by the Authority as hereinafter mentioned, Agency shall deliver the services for the said works and shall do and perform all other works and things in the Contract mentioned or described or which are implied there from or there in respectively or may be reasonably necessary for the completion of the said works within and at the times and in the manner and subject to the terms, conditions and stipulations mentioned in the said Contract.

IN WITNESS WHEREOF the parties hereto have signed this deed hereunder on the dates respectively mentioned against the signature of each.

**For Authority:**

Sign:

Name:

Designation:

Date:

Place:

**In the presence of:**

Sign:

Name:

Designation:

Date:

Place:

**For Agency:**

Sign:

Name:

Designation:

Date:

Place:

**In the presence of:**

Sign:

Name:

Designation:

Date:

Place:

## Annexure 17 – Non Disclosure Agreement

This Non-Disclosure Agreement ("Agreement") is made and entered into ..... day of 2025 by and between Gandhinagar Municipal Corporation (GMC) having its office at Gandhinagar Municipal Corporation, \_\_\_\_\_ (hereinafter referred to as "Client")

And

....., having its registered office at \_\_\_\_\_ (hereinafter referred to as "Agency" and/or "Selected Bidder" or "Vendor" or "Bidder" or "SI")

Whereas, CLIENT and IMPLEMENTING AGENCY have entered into a Contract bearing reference number

..... dated \_\_\_\_\_ (hereinafter referred to as 'Contract') for provision of works/services as

per RFP No. \_\_\_\_\_ dated \_\_\_\_\_ ; and

Whereas, THE PARTIES may disclose to EACH OTHER certain information which is confidential and proprietary in nature and wishes to protect such information from unauthorized disclosure and use;

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements contained herein and in the Contract, the parties agree as follows:

### I. Definition of Terms

- a) "Confidential Information" shall include, without limitation, all information and materials, furnished by a Party (Disclosure) to another Party (Recipient) in connection with Government/corporates/ citizen/users/persons/customers data, products and/or services, including information transmitted in writing, orally, visually, (e.g. video terminal display) or on magnetic or optical media, and including all proprietary information, customer & prospect lists, trade secrets, trade names or proposed trade names, methods and procedures of operation, commercial or marketing plans, licensed document know-how, ideas, concepts, designs, drawings, flow charts, diagrams, quality manuals, checklists, guidelines, processes, formulae, source code materials, specifications, programs, software packages, codes and other intellectual property relating to such Party's data, computer database, products and/or services. Confidential Information shall also include results of any tests, sample surveys, analytics, data mining exercises or usages etc. carried out by Disclosure in connection with the Recipients' or any government department's/Corporates information including citizen/users/persons/customers personal or sensitive personal information as defined under any law for the time being in force.
- b) "Client" shall include the officers, employees, agents, consultants, contractors and representatives of Client and its assigns and successors.
- c) "Agency" shall include the directors, officers, employees, agents, consultants, contractors and representatives of Implementing Agency, including its applicable affiliates, subsidiary companies and permitted assigns and successors.

## **II. Protection of Confidential Information**

With respect to any Confidential Information disclosed by the Discloser to the Recipient or to which any Party has access, both the Parties agrees that it shall:

- i. Use the Confidential Information only for accomplishment of the services to be performed under the Contract and in accordance with the terms and conditions contained herein;
- ii. Maintain the Confidential Information in strict confidence and take all reasonable steps to enforce the confidentiality obligations imposed hereunder, but in no event takes less care than it takes to protect the confidentiality of its own proprietary and confidential information and that of its clients;
- iii. Not make or retain copy of any Confidential Information except as necessary, under prior written permission from Other Party, in connection with the services to be performed under the Contract, and ensure that any such copy is immediately returned to the Other Party even without express demand from such party to do so;
- iv. Not disclose or in any way assist or permit the disclosure of any Confidential Information to any person or entity without the express written consent of Discloser except as provided in clause 6 below; and
- v. Return to Discloser, or destroy, at Discloser's direction, any and all Confidential Information disclosed in a printed form or other permanent record, or in any other tangible form (including without limitation, all copies, notes, extracts, analyses, studies, summaries, records and reproductions thereof) immediately upon the earlier to occur of:
  - a. Expiration or termination of the Contract, or
  - b. On request of Discloser
- vi. Not discuss with any member of public, media, press or any other person about the nature of arrangement entered between the Parties or the nature of services to be provided by the Agency to the Client.

## **III. Onus**

Recipient shall have the burden of proving that any disclosure or use inconsistent with the terms and conditions hereof falls within any of the exceptions provided in clause 4 below.

## **IV. Exceptions**

The obligations of confidentiality as mentioned in this Agreement shall not apply to any information:

- a) Which has become generally available to the public without breach of this Agreement by Recipient; or
- b) Which at the time of disclosure to Recipient was known to Recipient free of confidentiality
- c) restriction as evidenced by documentation in Recipient's possession; or
- d) Which either Party agrees in writing is free of such confidentiality restrictions.

## **V. Remedies**

The Parties acknowledge and agree that

- a) Any actual or threatened unauthorized disclosure or use of the Confidential Information by Recipient would be a breach of this Agreement and may cause immediate and irreparable harm to Discloser;
- b) Damages from such unauthorized disclosure or use may be impossible to measure accurately and injury sustained by Client may be impossible to calculate and remedy fully. Recipient acknowledges that in the event of such a breach, Discloser shall be entitled to specific performance by Recipient of Recipient's obligations contained in this Agreement. Recipient shall indemnify, save, hold harmless and defend Discloser promptly upon demand and at its expense, any time and from time to time, from and against any and all suits, proceedings, actions, demands, losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which Discloser may become subject, in so far as such Losses arise out of, in any way relate to, or result from breach of obligations under this Agreement by Recipient.

## **VI. Need to Know**

The Parties shall restrict disclosure of Confidential Information to its employees who have a need to know such information for accomplishment of services under the Contract provided such employees have agreed to abide by the terms and conditions of this Agreement and agree that they shall not disclose such Confidential Information to any affiliates, subsidiaries, associates and/or third party without prior written approval of Discloser.

## **VII. Intellectual Property Rights Protection**

No license to Discloser, under any trademark, patent, copyright, design right, mask work protection right, or any other intellectual property right is either granted or implied by the conveying of Confidential Information to Discloser.

## **VIII. No Conflict**

The parties represent and warrant that the performance of their obligations hereunder do not and shall not conflict with any other agreement or obligation of the respective parties to which they are a party or by which the respective parties are bound.

## **IX. Authority**

The parties represent and warrant that they have all necessary authority and power to enter into this Agreement and perform their obligations hereunder.

## **X. Governing Law**

This Agreement shall be interpreted in accordance with and governed by the substantive and procedural laws of India and the parties hereby consent to submit to the exclusive jurisdiction of Courts or at forums situated at Gandhinagar, Gujarat, India only.

## **XI. Entire Agreement**

This Agreement constitutes the entire understanding and agreement of the parties, and supersedes all previous or contemporaneous agreement or communications, both oral and written, representations and under standings among the parties with respect to the subject matter hereof.

**XII. Amendment**

No amendment, modification and/or discharge of this Agreement shall be valid or binding on the parties unless made in writing and signed on behalf of each of the parties by their respective duly authorized officers or representatives.

**XIII. Binding Agreement**

This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and permitted assigns.

**XIV. Severability**

It is the intent of the parties that in case any one or more of the provisions contained in this Agreement shall be held to be invalid or unenforceable in any respect, such provision shall be modified to the extent necessary to render it, as modified, valid and enforceable under applicable laws, and such invalidity or unenforceability shall not affect the other provisions of this Agreement.

**XV. Waiver**

If either party should waive any breach of any provision of this Agreement, it shall not thereby be deemed to have waived any preceding or succeeding breach of the same or any other provision hereof.

**XVI. Survival**

The Parties agrees that all of their obligations undertaken herein with respect to Confidential Information received pursuant to this Agreement and obligations of indemnity shall survive for a period of 10 years after any expiration or termination of this Agreement.

**XVII. Non-solicitation**

During the term of this Agreement and thereafter for a further period of two (2) years the Parties shall not solicit or attempt to solicit each other's employees, for the purpose of hiring/contract or to proceed to conduct operations/business similar to either Party with any employee of the either Party who has knowledge of the Confidential Information, without the prior written consent of Disclosure. This section will survive irrespective of the fact whether there exists a commercial relationship between Implementing Agency and Client.

**XVIII. Term**

This Agreement shall come into force on the date first written above and, subject to aforesaid clause 16, shall remain valid up to TWO (2) YEARS from the expiry or termination of the Contract.

IN WITNESS HEREOF, and intending to be legally bound, the parties have executed this

Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city

Agreement to make it effective from the date and year first written above.

**For Authority:**

Sign:

Name:

Designation:

Date:

Place:

**In the presence of:**

Sign:

Name:

Designation:

Date:

Place:

**For Agency:**

Sign:

Name:

Designation:

Date:

Place:

**In the presence of:**

Sign:

Name:

Designation:

Date:

Place:

## **Annexure 18 Office Undertaking**

(Company letterhead)

Place:

Date:

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

Ref: RFP No. <<.....>> dated << .....>>

**Subject: Undertaking to Open an Office in Ahmedabad/Gandhinagar in Gujarat**

Dear Sir,

We here by undertake that: We are willing to open an office in Ahmedabad/Gandhinagar within 45 days in case it is declared successful in the bidding Process.

We have carefully read and understood the entire tender document. We do agree to all the terms and conditions mentioned in the RFP.

**Signature:**

**Name:**

**Designation:**

**Address:**

**Seal:**

**Date:**

**Annexure 19 Format of Compliance letter**

(Shall be submitted on Bidder's letterhead duly signed by Authorized signatory)

Place:

Date:

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

**Bid Reference No:**

**Subject: Compliance with the tender terms and conditions, specifications and Eligibility Criteria**

Dear Sir,

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder>>.

We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on <<date>>

We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliant with specifications mentioned in the bid document.

We also explicitly understand that all quoted items meet technical specification of the bid & that such technical specification overrides the brochures/standard literature if the same contradicts or is absent in brochures.

In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of Tender Committee for disqualification will be accepted by us.

**(Authorized Signatory)**

**Signature:**

**Name:**

**Designation:**

**Address:**

**Seal:**

**Date:**

## **Annexure 20 Undertaking of No Conflict of Interest**

(Company letterhead)

Place:

Date:

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

**Bid Reference No:**

**Subject: Undertaking on No Conflict of Interest**

**Dear Sir,**

I / We as Bidder (Bidder) do hereby undertake that there is absence of, actual or potential conflict of interest on our part, on part of our Subcontractor(s) (in case of any subcontractor) due to prior, current, or proposed contracts engagements, or affiliations with GMC.

I / We also confirm that there are no potential elements (time frame for service delivery, resource, financial or other) that would adversely impact our ability to complete the requirements of this RFP. We undertake and agree to indemnify and hold GMC, Government of Gujarat harmless against all claims, losses, damages, costs, expenses, proceeding fees of legal advisors (on a reimbursement basis) and fees of other professionals incurred (in the case of legal fees & fees of professionals, reasonably) by GMC, Government of Gujarat and / or its representatives, if any such conflict arises later.

**(Authorized Signatory)**

**Signature:**

**Name:**

**Designation:**

**Address:**

**Seal:**

**Date:**

**Annexure 21 – Curriculum Vitae of team members**

1	Name of the Staff				
2	Current Designation in the Organization				
3	Proposed Role in the Project				
4	Proposed Responsibilities in the Project				
5	Date of Birth				
6	Education	<ul style="list-style-type: none"> <li>▪ Degree / Diploma, College, University, Year of Passing</li> <li>▪ Degree / Diploma, College, University, Year of Passing</li> </ul>			
7	Summary of Key Training and Certifications				
8	Language Proficiency	Language	Reading	Writing	Speaking
9	Employment Record (For the total relevant experience)	From / To:			
		Employer:			
		Position Held:			
		From / To:			
		Employer:			
		Position Held:			
		From / To:			
		Employer:			
Position Held:					
10	Total No. of Years of Work Experience				
11	Total No. of Years of Experience for the Role proposed				

12	Highlights of relevant assignments handled and significant accomplishments (Use following format for each project)	
	<b>Name of assignment or project:</b>	
	<b>Year:</b>	
	<b>Location:</b>	
	<b>Client:</b>	
	<b>Main project features:</b>	
	<b>Positions held:</b>	
<b>Activities performed:</b>		

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Day/Month/Year :

(Signature of candidate)

(Signature of Authorized personnel of bidder)

## **Annexure 22 - Manufacturers'/Producers' Authorization Form**

<<To be printed on letter head of OEM and signed by Authorized signatory of OEM>>

Date: dd/mm/yyyy

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

**Bid Reference No:**

**Subject: Manufacturers'/Producers' Authorization Form**

Dear Sir/ Madam,

We \_\_\_\_\_, (name and address of the manufacturer) who are established and reputed manufacturers of \_\_\_\_\_ having factories at \_\_\_\_\_ (addresses of manufacturing / development locations) do hereby authorize M/s \_\_\_\_\_ (name and address of the bidder) to bid, negotiate and conclude the contract with you against the above mentioned tender for the above equipment / software manufactured / developed by us.

We herewith certify that the above mentioned equipment / software products are not end of the life and We hereby undertake to support these equipment/software for duration of minimum 5 years from the date of Delivery of components.

Yours faithfully,

(Signature of the Authorized Signatory from OEM)

Name

Designation

Seal.

Date:

Place:

Business Address:

### **Annexure 23 - Anti-Collusion Certificate**

*[Certificate should be provided by Bidder and on letter head]*

Date: dd/mm/yyyy

To,

**The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,

Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

**Bid Reference No:**

Dear Sir,

We hereby certify and confirm that in the preparation and submission of our Bid for Request for Proposal (RFP) for **Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city** issued by Authority, We have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing, which is or could be regarded as anti-competitive. We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or organization in connection with the instant bid.

(Signature of the Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

## **Annexure 24 - Format of Certificate by Bidder sharing land border**

[Certificate should be provided on bidder letter head]

Date: dd/mm/yyyy

To,

### **The Municipal Commissioner**

Gandhinagar Municipal Corporation

Registered Address: Pandit Deendayal Bhavan, Behind Fire Station,  
Sector-17, Gandhinagar, (Gujarat) Pin-382016

**Subject: Participation in response to the Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing & Commissioning (SITC) and O&M of Adaptive Traffic Control System (ATCS) and Traffic Enforcement System (TES) in Gandhinagar city**

### **Bid Reference No:**

Dear Sir,

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]

(Signature of the Bidder)

Printed Name Designation

Seal

Date:

Place:

Business Address:

**Annexure 25 - Make and Model Form**

<b>Sr.No.</b>	<b>Component / Line Item</b>	<b>Make</b>	<b>Model</b>
1	ATCS Traffic Controller		
2	Countdown timer		
3	Vehicle Detector Camera		
4	Galvanized Cantilever pole		
5	Galvanized Standard Poles		
6	Traffic Light Aspects - Red		
7	Traffic Light Aspects - Green		
8	Traffic Light Aspects - Amber		
9	Pedestrian lamp heads - Stop Man		
10	Pedestrian lamp heads - Walk Man		
11	Junction Box/Cabinets with necessary foundation and earthing for ATCS and TES		
12	UPS with battery backup of 1 hour for ATCS and TES		
13	8 Port L2 Industrial Grade Switch at edge location		
14	Adaptive Traffic Control System (ATCS) (Software +Licenses)		
15	Overview Camera / Evidence Camera for RLVD		
16	ANPR Camera for RLVD		
17	IR Illuminators		
18	Poles for RLVD		
19	Local Processing Unit (LPU) for RLVD		
20	Traffic enforcement system-RLVD, ANPR (Software + License)		
21	VMS (Software + License)		
22	Server and OS with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing		
23	Storage with necessary hardware configurations for supporting requirement of Video Management System, ATCS, RLVD, ANPR requirement sizing		
24	Network Connectivity (P2MP/L2VPN/P2P)for ATCS and TES at Field Location and Field Location to Centralized Location		
25	Network Video Recorder		

## **Annexure 26 – Indicative list of locations**

The following are indicative list of locations IN Gandhinagar city where the SITC of all components need to be carried out. The final list will be finalized post the site survey work is completed by the selected agency.

1. Rakshashakti Circle
2. Sardar Chowk
3. Urbania Mall Chowk

### **Common guidelines regarding compliance of systems/equipment**

1. The specifications mentioned for various IT / Non-IT components are indicative requirements and should be treated for benchmarking purpose only. Agency is required to undertake their own requirement analysis and may propose higher specifications that are better suited to the requirements.
2. In case of addition/update in number of license for the software and VMS licenses for Cameras, the Agency is required to meet of technical specifications contained in the RFP and for the upward revisions and/or additions of licenses is required be made as part of change order and cost would be commensurate to the itemized rate approved at the LOI issuance.
3. Any manufacturer and product name mentioned in the Tender should not be treated as a recommendation of the manufacturer / product.
4. None of the IT / Non-IT equipment's proposed by the Agency should be End of Life product. It is essential that the technical proposal is accompanied by the MAF
5. Technical Bid should be accompanied by OEM's product brochure / datasheet. Agency should provide complete make, model, part numbers and sub-part numbers for all equipment/software quoted, in the Technical Bid.
6. Agency should ensure that only one make and model is proposed for one component in Technical Bid for example all Traffic Surveillance cameras must belong to a single OEM and must be of the same model etc.
7. Agency should ensure complete warranty and support for all equipment from OEMs. All the back-to-back service agreements should be submitted along with the Technical Bid.
8. All equipment, parts should be original and new.
9. The user interface of the system should be a user friendly Graphical User Interface (GUI).
10. Critical core components of the system should not have any requirements to have proprietary platforms and should conform to open standards.
11. Before hosting the application, it shall be subjected to application security audit (by any of the CERTIN empanelled vendors) to ensure that the application is free from any vulnerability;
12. All the Clients Machines / Servers shall support static assigned IP addresses or shall obtain IP addresses from a DNS/DHCP server.
13. The Successful Agency should also propose the specifications of any additional servers / other hardware, if required for the system.
14. The indicative architecture of the system is given in this volume. The Successful Agency must provide the architecture of the solution it is proposing.

15. The system servers and software applications will be hosted at centralized location. It is important that the entire set of Centralized location equipment are in safe custody and have access from only the authorized personnel and should be in line with the requirements & SLAs defined in the Tender.
16. The Servers provided should meet industry standard performance parameters.
17. Agency is required to ensure that there is no choking point / bottleneck anywhere in the system (end-to-end) and enforce performance and adherence to SLAs. SLA reports must be submitted as specified in the Bid without fail.
18. All the hardware and software supplied should be from the reputed Original Equipment Manufacturers (OEMs). GMC reserves the right to ask replacement of any hardware / software if it is not from a reputed brand and conforms to all the requirements specified in the tender documents.
19. Cameras, Network Video Recorder (NVR) and the Video Management / Video Analytics Software should be ONVIF Core Specification '2.X' or 'S' compliant and provide support for ONVIF profiles such as Streaming, Storage, Recording, Playback, and Access Control.
20. Agency shall place orders on various OEMs directly and not through any sub-contractor / partner. All licenses should be in the name of the GMC and perpetual in nature.