

ADDENDUM & CORRIGENDUM-1
REQUEST FOR PROPOSAL
for
SELECTION OF IMPLEMENTATION AGENCY FOR
INTEGRATED TRAFFIC CONTROL SYSTEM (ITCS)
IN SURAT CITY

Tender Number: GM(TRANSIT)/SSCDL/BRTS/2/2022-2023



Invited by

Surat Smart City Development Limited
1st Floor, South Zone Office, Surat Municipal
Corporation, Opp. Satyanagar, Udhna, Surat –

Surat Smart City Development Limited
ADDENDUM AND CORRIGENDUM-1
RFP Notification No.: GM(TRANSIT)/SSCDL/BRTS/2/2022-2023

The Bidder are requested to take note of the following changes made in the RFP documents, which are to be taken in to account while submitting the RFP. They shall be presumed to have done so and submitted the RFP accordingly.

This Addendum and Corrigendum shall be the part of the RFP documents.

All items specified in this Addendum and Corrigendum supersede relevant items to that effect as provided in the original RFP documents. All other specifications, terms and conditions of the original RFP document shall remain unchanged.

Bidder shall read and consider following points, which shall be a part of the RFP documents.

All the changes mentioned in this document should be read across the RFP, Addendum & Corrigendum, wherever applicable.

Other Changes

#	Volume No.	Section	Page No.	Tender Reference	Existing Clause	Amended/New Clause
1.	1	6	15	Bidder's Eligibility Criteria	<p>The Bidder (Consortium)/Sole Bidder jointly should have minimum average annual turnover of Rs. 100 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22). In case of consortium, each partner should have minimum average annual turnover of Rs. 20 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22).</p> <p>If FY 2021-22 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2018-19 along with an undertaking letter from the bidder that the 2021-22 Statements are not audited is to be submitted.</p> <p>Documentary Evidence Copy of the audited profit and loss financial statements</p> <p>Certificate from the statutory auditor / CA clearly specifying the annual turnover for the specified years.</p> <p>The Original or Notarized copy of the certificate should be submitted</p>	<p>The Bidder (Consortium)/Sole Bidder jointly should have minimum average annual turnover of Rs. 100 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22). In case of consortium, each partner should have minimum average annual turnover of Rs. 15 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22).</p> <p>If FY 2021-22 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2018-19 along with an undertaking letter from the bidder that the 2021-22 Statements are not audited is to be submitted.</p> <p>Documentary Evidence Copy of the audited profit and loss financial statements</p> <p>Certificate from the statutory auditor / CA clearly specifying the annual turnover for the specified years.</p> <p>The Original or Notarized copy of the certificate should be submitted</p>
2.	1	7.15	27	Taxes	<p>However, the bidder is expected to provide the tax components in commercials. The payment of taxes to the selected bidder will be done on actuals. In this regard, selected</p>	<p>However, the bidder is expected to provide the tax components in commercial bid. The payment of taxes to the selected bidder will be done as per the prevailing rate.</p>

#	Volume No.	Section	Page No.	Tender Reference	Existing Clause	Amended/New Clause																								
					<p>bidder is required to submit documents describing the total tax paid for Surat ITCS Project (for each component). The payment for tax component will be made in the subsequent billing cycle.</p> <p>Further, SSCDL shall be entitled to deduct tax at source, or any other taxes/ cess as may be applicable.</p>	<p>Further, SSCDL shall be entitled to deduct tax at source, or any other taxes/ cess as may be applicable.</p>																								
3.	1	7.22	30	Technical Evaluation Criteria	<p>Bidder's Competence – Turnover The Bidder (Consortium)/Sole Bidder jointly should have minimum average annual turnover of Rs. 100 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22). In case of consortium, each partner should have minimum average annual turnover of Rs. 20 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22).</p> <table border="1"> <thead> <tr> <th>Average Turnover (In crores)</th> <th>Marks [Maximum: 25]</th> </tr> </thead> <tbody> <tr> <td>>= INR 100 Cr. and < INR 120 Cr.</td> <td>17</td> </tr> <tr> <td>>= INR 120 Cr. and < INR 140 Cr.</td> <td>19</td> </tr> <tr> <td>>= INR 140 Cr and < INR 160 Cr.</td> <td>21</td> </tr> <tr> <td>>= INR 160 Cr and < INR 180 Cr.</td> <td>23</td> </tr> <tr> <td>>= INR 180 Cr.</td> <td>25</td> </tr> </tbody> </table>	Average Turnover (In crores)	Marks [Maximum: 25]	>= INR 100 Cr. and < INR 120 Cr.	17	>= INR 120 Cr. and < INR 140 Cr.	19	>= INR 140 Cr and < INR 160 Cr.	21	>= INR 160 Cr and < INR 180 Cr.	23	>= INR 180 Cr.	25	<p>Bidder's Competence – Turnover The Bidder (Consortium)/Sole Bidder jointly should have minimum average annual turnover of Rs. 100 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22). In case of consortium, each partner should have minimum average annual turnover of Rs. 15 crores from ICT based business in last three financial years (i.e., FY 2019-20, 2020-21, 2021-22).</p> <table border="1"> <thead> <tr> <th>Average Turnover (In crores)</th> <th>Marks [Maximum: 25]</th> </tr> </thead> <tbody> <tr> <td>>= INR 100 Cr. and < INR 120 Cr.</td> <td>17</td> </tr> <tr> <td>>= INR 120 Cr. and < INR 140 Cr.</td> <td>19</td> </tr> <tr> <td>>= INR 140 Cr and < INR 160 Cr.</td> <td>21</td> </tr> <tr> <td>>= INR 160 Cr and < INR 180 Cr.</td> <td>23</td> </tr> <tr> <td>>= INR 180 Cr.</td> <td>25</td> </tr> </tbody> </table>	Average Turnover (In crores)	Marks [Maximum: 25]	>= INR 100 Cr. and < INR 120 Cr.	17	>= INR 120 Cr. and < INR 140 Cr.	19	>= INR 140 Cr and < INR 160 Cr.	21	>= INR 160 Cr and < INR 180 Cr.	23	>= INR 180 Cr.	25
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					<p>Supporting Document</p> <p>Copy of the audited profit and loss financial statements</p> <p>Certificate from the statutory auditor / CA clearly specifying the annual turnover for the specified years. Original or Notarized copy of the certificate should be submitted</p> <p>If FY 2021-22 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2018-19 along with an undertaking letter from the bidder that the 2021-22 Statements are not audited is to be submitted.</p>	<p>Supporting Document</p> <p>Copy of the audited profit and loss financial statements</p> <p>Certificate from the statutory auditor / CA clearly specifying the annual turnover for the specified years. Original or Notarized copy of the certificate should be submitted</p> <p>If FY 2021-22 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2018-19 along with an undertaking letter from the bidder that the 2021-22 Statements are not audited is to be submitted.</p>
4.	1	8	42	Service Level Agreements	Theft cases by default would not be considered as “beyond the control of Bidder”. However, certain cases, based on circumstances & certain locations, SSCDL may agree to qualify as “beyond the control of Bidder”. Damages due to any accident / mishap shall be considered as “beyond the control of Bidder”. However, Power shut down or deliberate damage to field devices such as Cameras, Audio Systems etc. would not be considered as “beyond the control of Bidder”.	Theft cases, Damages due to any accident / mishap shall be considered as “beyond the control of Bidder”. However, deliberate Power shut down or deliberate damage to devices such as Cameras, Network Switch Systems, etc. would not be considered as “beyond the control of Bidder”.
5.	1	8.4.4	52	SLA for Security Breach	<p>Penalty for Non-achievement of SLA Requirement</p> <p>For every security breach reported and proved, there shall be a penalty of INR 1,00,000/- or lead to termination of contract</p>	<p>Penalty for Non-achievement of SLA Requirement</p> <p>For every security breach reported and proved, there shall be a penalty of INR 1,00,000/-</p>

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6.	1	9.1	54	Project Milestone	-	Please refer to Annexure – I for Revised Project Milestone.
7.	1	11.2	77	Checklist for Technical-Qualification Document	Internet bandwidth and the MPLS bandwidth requirement for the operations	Approach & Methodology for integration with Connected Surat Project for Bandwidth Provision
8.	1	11.8	85	OEM Selection Criteria	-	Please refer to Annexure – II for Revised Commercial Bid Format.
9.	1	12.2	90-	Commercial Bid Format	-	Please refer to Annexure – III for Revised Commercial Bid Format.
10.	1	4.3.1	14	Existing ATCS infrastructure	SMC/SSCDL has already procured an Adaptive Traffic Control System (ATCS) application (CDAC Co-Si-Cost & TraMM) for previous project(s).	SMC/SSCDL has already procured an Adaptive Traffic Control System (ATCS) application (CDAC Co-Si-Cost & TraMM) for 200 Traffic Signal Junction. Version of Software is 5.9. SI must have to update/upgrade the existing ATCS application with the latest available version for 300 Traffic Signal Junction without any additional cost to SSCDL.
11.	2	4.3.3	24	Exiting Data Center Infrastructure	Below given are the Make & Model and quantities of existing datacenter components implemented by previous vendor.	Below given are the Make & Model and quantities of existing datacenter components implemented by previous vendor. However, as a part of comprehensive annual maintenance of existing infrastructure at Data Center if existing installed product/component is End of Life or End of Support during the entire contract duration. In that case SI has to replace it with the equivalent or higher

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						<p>model of the same OEM without any additional cost to SSCDL. Product OEM has to provide the undertaking mentioning proposed product is equivalent or higher than existing product.</p> <p>However, as a part of comprehensive annual maintenance of existing Software Applications at Data Center if existing's installed Software (Video Management Software, Antivirus Software, Adaptive Traffic Control System (ATCS) application (CDAC Co-Si-Cost & TraMM), etc.) is End of Support, and/or End of Life, in that case SI has to replace the existing software with newer version of software having similar of Higher functionality of same OEM. Software OEM has to provide the undertaking mentioning proposed Software version is equivalent or higher than existing Software.</p>
12.	2	4.3.4	25	E-Challan System	Surat Traffic Police has developed the E-challan system along with the E-Challan Application for the generation of E-challans for the traffic violations. It will be the responsibility of the SI to integrate the incidents captured from various system such as proposed RLVD, SVDS, ANPR application under ITCS project with the existing e-Challan system deployed at Police Command Control Center. To achieve the same, the SI has to perform end-to-end integration of RLVD, SVDS, ANPR applications with the existing E-Challan	Surat Traffic Police has developed the E-challan system along with the E-Challan Application for the generation of E-challans for the traffic violations. It will be the responsibility of the SI to integrate the incidents captured from various system such as proposed RLVD, SVDS, ANPR application under ITCS project with the existing e-Challan system deployed at Police Command Control Center. To achieve the same, the SI has to perform end-to-end integration of proposed RLVD, SVDS, ANPR applications with the existing

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					system.	<p>E-Challan system.</p> <p>Further, Surat City Police is also using Integrated Traffic Management System Dashboard. SI to integrate the incidents captured from various system such as proposed RLVD, SVDS, ANPR application under ITCS project with the existing dashboard deployed at Police Command Control Center. Hence, SI has to perform end-to-end integration of proposed RLVD, SVDS, ANPR applications with the existing Integrated Traffic Management System Dashboard.</p> <p>Deeply integration with existing E-Challan System & Integrated Traffic Management System Dashboard should be performed, and solution and operations shall be from single dashboard so that police can have ease of operations and less manpower.</p>
13.	2	-	-	-	-	<p>Bidder to note that out of 118 New ATCS Traffic Junction, at 28 New Junctions Traffic Poles & Cable are already available. Bidder has to utilize the existing Pole & Cables during the implementation of ATCS.</p> <p>Further, SI to repaint all existing poles and utilize the same for mounting the traffic lights/aspects. Paint should be with two coats of zinc chromate primer and two coats of golden yellow Asian apostolate paint or as suggested by SSCDL.</p>

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14.	2	5.5.2	36	Red Light Violation Detection (RLVD) System	The RLVD system Including ANPR capabilities should be integrated with the various application and Databases like VAHAN, and e-Challan application (to be developed under this project) etc. such that e-Challans can be generated by the system through an automated process.	The RLVD system Including ANPR capabilities should be integrated with the various application and Databases like VAHAN, and existing e-Challan application etc. such that e-Challans can be generated by the existing system through an automated process.
15.	2	7.1.2	68	Camera based Vehicle Detector	The detector shall have image resolution of VGA (640 x 480) with frame rate of 30 FPS or better	The detector shall have image resolution of minimum VGA (640 x 480) or better with frame rate of 25 FPS or better
16.	2	7.1.2	68	Camera based Vehicle Detector	-	New Clause Added 1 N/O and 1 N/C dry contact direct 16 N/C dry contacts via Broadband over power lines (BPL) interface that allows relatively high-speed digital data transmission over the public electric power distribution wiring
17.	2	7.2	71	Functional Requirements of the Red Light Violation Detection(RLVD) System	SI to consider the Local Processing Unit (LPU) along with proposed RLVD solution. Single/One LPU should have capability to cater minimum 8 nos. of cameras. Hence based on type of junction bidder to consider the no. of LPU to be placed at the junction.	SI to consider the Local Processing Unit (LPU) along with proposed RLVD solution. Hence based on type of junction as stipulated in the RFP, Bidder is independent to consider the no. of LPU to be required at the junction as per the proposed solution.
18.	2	7.3	76	Functional Requirements of the Speed Violation Detection (SVD) System	Speed measurement may be made by using non-intrusive technology video based or any other appropriate certified technology. CE and homologation certificate from Ministry of Traffic or equivalent department from respective country of origin, document authenticated by Indian Embassy (to authenticate that systems are legalized and	Speed measurement may be made by using non-intrusive technology video based or any other appropriate certified technology. CE and homologation certificate from Ministry of Traffic or equivalent department from respective country of origin, document authenticated by Indian Embassy (to authenticate that systems are

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					tested for infractions to avoid legal issues)	legalized and tested for infractions to avoid legal issues) OR certified from the NABL Accredited Lab in India.
19.	2	7.3	77	Functional Requirements of the Speed Violation Detection (SVD) System	SI to consider the local Processing Unit (LPU) along with proposed SVD solution (Applicable as per proposed solution) Single/One LPU should have capability to cater minimum 6 nos. of cameras. Hence base on type o location bidder to consider the no. of LPU to be placed at the junction.	SI to consider the Local Processing Unit (LPU) along with proposed SVD solution. Hence based on type of junction as stipulated in the RFP, Bidder is independent to consider the no. of LPU to be required at the junction as per the proposed solution.
20.	2	7.4	83	Functional Requirements of the Automatic Number Plate Recognition (ANPR) System	Systems requirement Local Server at Intersection: The system must run on a Commercial Off the Shelf Server (COTS). Outdoor IP 66 Quad core processor-based server should be able to cover at least 8 lanes. Temperature rating of the server should be at least 60 degree. SI to consider the Local Processing Unit (LPU) along with proposed ANPR solution. Single/One LPU should have capability to cater minimum 6 nos. of cameras. Hence based on type of junction SI to consider the no. of LPU to be placed at the junction. Operating system: The system must be based on open platform and should run on Linux or windows Operating system as per proposed solution.	Systems requirement Local Server at Intersection: The system must run on a Commercial Off the Shelf Server (COTS). Outdoor IP 55 Quad core processor-based server should be able to cover at least 8 lanes. Temperature rating of the server should be at least 60 degree. SI to consider the Local Processing Unit (LPU) along with proposed ANPR solution. Hence based on type of junction as stipulated in the RFP, Bidder is independent to consider the no. of LPU to be required at the junction as per the proposed solution. Operating system: The system must be based on open platform and should run on Linux or windows Operating system as per proposed solution.
21.	1	7.7	85	Storage/Recording Requirements	30 days storage of footage of all the traffic surveillance camera (PTZ Camera) and RLVD Evidence Camera feeds to be stored at Data Centre and Flagged data (critical	30 days storage of footage of all the traffic surveillance camera (PTZ Camera) and RLVD Evidence Camera feeds to be stored at Data Centre and Flagged data (critical

#	Volume No.	Section	Page No.	Tender Reference	Existing Clause	Amended/New Clause
					incidents) will be stored for approximately 180 days, permanent storage envisaged on secondary/backup storage for entire contract duration. Bidder to provide the necessary client license Milestone Protect Smart wall - MO1-PO3-100-01-6CB9DB Client License without any additional cost to SSCDL.	incidents) will be stored for approximately 180 days, permanent storage envisaged on secondary/backup storage for entire contract duration. The bidder is expected to calculate the bandwidth and storage requirement according to below table for per camera: Resolution – 1920 x 1080 FPS - 25 FPS Minimum Bit Rate – 4.0 Mbps (For PTZ) & 2.4 Mbps (For Evidence Camera)
22.	2	8.3	86	Amber Blinkers with Controller	Should have less than 8w power consumption	Should have less than 12W power consumption
23.	2	8.3	86	Amber Blinkers with Controller	LED must be single source narrow beam type with clear lens & Luminance uniformity of 1:15	LED must be single source narrow/medium beam type with clear/colored lens & Luminance uniformity of 1:15
24.	2	8.5	88	Countdown Timer (CDT)	Dimensions Minimum 360mm x 370mm x 220mm	Dimensions Minimum 360mm x 370mm x 220mm or better
25.	2	8.24	112	Enterprise Management System (EMS)	Network Management System Solution should provide fault & performance management of the server-side infrastructure and should monitor IP/SNMP enabled devices like Routers, Switches, PA System, Emergency Call Boxes, Sensors, etc. (i.e., all devices supplied as part of RFP scope). Proposed Network Management shall also help monitor key KPI metrics like availability, in order to measure SLA's. Following are key functionalities that are required which will assist administrators to monitor network faults & performance degradations in order	Network Management System Solution should provide fault & performance management of the server-side infrastructure and should monitor IP/SNMP enabled devices like Routers, Switches, Controllers, all type of Cameras, other Sensors, etc. (i.e., all devices supplied as part of RFP scope & existing IP/SNMP enabled devices). Proposed Network Management shall also help monitor key KPI metrics like availability, in order to measure SLA's. Following are key functionalities that are required which will assist administrators to monitor network

#	Volume No.	Section	Page No.	Tender Reference	Existing Clause	Amended/New Clause
					to reduce downtimes, increase availability and take proactive actions to remediate & restore network services.	faults & performance degradations in order to reduce downtimes, increase availability and take proactive actions to remediate & restore network services.
26.	2	10	120	Annexure IV: List of Locations	-	Please refer to Annexure – IV for Revised Tentative List of Locations with Lat & Long.

Annexure – I

9.1 Project Milestone

SMC / SSCDL shall issue a “Work Order(WO)” in writing, indicating the number of units of Hardware and Software to be supplied under this Project. Upon getting the Work Order, the selected bidder shall promptly supply, install and commission the hardware and software as soon as possible within the lead time specified in the Work order. The delay in delivery will attract delayed penalty as mentioned in this RFP.

If required SSCDL shall issue subsequent “Request Order (Post Work Order(WO) allocation) until the full quantities of Hardware and Software specified in volume 1 within the variation limits of RFP is exhausted. The contract period of 5 years is considered from the Go-Live date of Work Order(WO) (As mentioned in point 1 above) (In case sub sequent Request Order issued to SI).

SSCDL shall specify the implementation time in Sub-Sequent Request Order. The Lead Time of subsequent Request Order shall be decided in discussion with the SI before the Request Order is placed. SSCDL’s decision in this regard shall be final but reasonable time shall be provided to the SI. Delay or non-performance will form the basis for application of Liquidated Damages.

Timeline for Work Order shall be as per below:

T = Date of Work Order

Services	Milestone	Timeline
Work Order (WO) – New Work	Satisfactory delivery and acceptance of materials (as per the Work Order)	T + 3 Months
	Satisfactory completion of Installation of respective items/ equipment (as per the Work Order)	T + 5 Months
	UAT and Go Live of entire Work Order (Testing and Commissioning)	T1 = T + 6 Months
	Successful completion of Operation and Maintenance for 1st Quarter post issuance of Go-Live of Work Order	T1 + 3 Months
	Comprehensive Operation & Maintenance	T2 = T1 + 5 Years 5 Years from the date of Go-Live
Existing System & Infrastructure’s Comprehensive Operation & Maintenance	Comprehensive Operation & Maintenance of Existing System & Infrastructure	T3 = T + T1 + 5 Years Entire contractual period including implementation phase

Annexure – II**11.8 OEM Selection Criteria**

Component	Selection criteria for the OEM
CCTV Cameras	<ul style="list-style-type: none"> • Minimum supply base of 50,000 IP based cameras in India or globally as on bid submission date. • Should have been operational for at least 2 City Surveillance/Smart City projects in India or globally of minimum 1000 IP based cameras each during last five years as on bid submission date. • The OEM should have its own RMA setup (or via authorized service partner / distributor) in India as on bid submission date.
ANPR Cameras and ANPR Solution	<ul style="list-style-type: none"> • Minimum installation base of 500 ANPR cameras in India or globally as on bid submission date. • Should have been operational for at least 2 City Surveillance/Smart City projects in India or globally for supporting minimum 100 ANPR solutions in each in last five years as on bid submission date.
RLVD Solution	<ul style="list-style-type: none"> • Should have been operation for at least 5 City Surveillance/Smart City projects in India or globally for covering minimum 50 lanes (cumulative for 5 projects) in last five years as on bid submission date.
Speed Detection Solution	<ul style="list-style-type: none"> • Should have been operation for at least 5 City Surveillance/Smart City projects in India or globally for covering minimum 50 lanes (cumulative for 5 projects) in last five years as on bid submission date.
ONVIF Compliance	<ul style="list-style-type: none"> • All CCTV Cameras, and any video/image processing solution within overall project offering should be ONVIF Core Specification ‘2.X’ or ‘S’ compliant and provide support for ONVIF profiles such as Streaming, Storage, Recording, Playback etc.

Additional OEM / Brand Compliance requirement:

- With regards to above table, OEMs will certify the installation base and the project experience. This certificate shall be issued through the Global Headquarters and attested by the Indian office(As applicable). Authority shall verify the claim of OEMs by using publicly available reports. In case there is any doubt of gross negligence or providing erroneous or incorrect information/declaration, decision of Tendering Authority shall be final and binding upon the Bidder and OEM. Also, in such cases, No representation/further correspondence with OEM/Bidder shall be entertained.
- For above mentioned components, authorised registered service/support centre should be in operation or should be established in India within 30 days of award of contract. The Bidder should submit an undertaking from the OEM (from Global headquarters/India office as applicable) to that effect.
- Should comply the amended the General Financial Rules 2017 to enable imposition of restrictions on bidders/OEMs from countries which share a land border with India on grounds.

Annexure – III**12.2 Commercial Bid Format**

[Note: Price Bid is to be submitted online only. The Price Bid if submitted physically along with Technical Bid leading to revelation of prices before the due date of opening of the Price Bid will lead to disqualification.]

12.2.1. Summary of Estimates for Surat ITCS Project**Summary of CAPEX**

#	Annexure	Total Amount (Without GST) in INR	Total Amount (With GST) in INR
1	Total amount of Schedule A		
2	Total amount of Schedule B		
3	Total amount (1+2)		

Summary of OPEX

#	Annexure	Total Amount (Without GST) in INR	Total Amount (With GST) in INR
1	Total amount of Schedule C		
2	Total amount of Schedule D		
3	Total amount of Schedule E		
4	Total amount of Schedule F		
5	Total amount of Schedule G		
6	Total amount (1+2+3+4+5)		

12.2.2. Schedule A: CAPEX

Schedule A: ITCS CAPEX							
#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
A Adaptive Traffic Control System (ATCS)							
1	SITC of ATCS Traffic Controller	Nos	194				
2	SITC of Countdown timer (input Voltage AC/DC operated)	Nos	1,570				
3	SITC of Vehicle Detector Camera	Nos	533				
4	SITC of Edge level Switches for traffic signal junction	Nos	177				
5	SETC of Galvanized Cantilever poles for traffic signals with complete mounting accessories, Pole junction box and civil works as required	Nos	325				
6	SETC of Galvanized Standard poles for traffic signals with complete mounting accessories, Pole junction box and civil works as required	Nos	975				
7	SITC of Traffic Light Aspects - RED (input Voltage AC/DC operated), with complete mounting accessories (including but not limited to aspect with LED based capsule, visor, bracket, frame works, wires, glands, pipes, etc.)	Nos	1,456				
8	SITC of Traffic Light Aspects - GREEN (input Voltage AC/DC operated), with complete mounting accessories (including but not limited to aspect with LED based capsule, visor, bracket, frame works, wires, glands, pipes, etc.)	Nos	3,424				
9	SITC of Traffic Light Aspects - AMBER (input Voltage AC/DC operated), with complete mounting accessories (including but not limited to aspect with LED based capsule, visor, bracket, frame works, wires, glands, pipes, etc.)	Nos	1,284				
10	SITC of Pedestrian lamp heads - Stop & Animated Walk Man (input Voltage AC/DC operated) with countdown timer with mounting accessories	Nos	856				
11	SITC of Amber Blinkers with complete mounting accessories for mounting on existing pole (including but not limited to aspect with LED based capsule, visor, bracket, frame works, wires, glands, pipes, etc.)	Nos	100				
12	SITC of Online UPS with complete mounting	Nos	152				

Schedule A: ITCS CAPEX

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
	accessories and Batteries as required (1 hour power backup on full load)						
13	SITC of Field Junction Box of suitable size as per site requirements to house ATCS solution equipment (Traffic controller, edge level switch, Media convertor, LIU, Online UPS and Batteries, etc.)	Nos	194				
14	SLTC of ISI mark 50 mm inner dia. HDPE pipe as per IS: 4984:1995	Meter	2,360				
15	SLTC of ISI mark 90 mm inner dia. HDPE pipe as per IS: 4984:1995	Meter	13,040				
16	SLTC of ISI mark 90 mm outer dia. DWC pipe conforming IS:14930 (II) with necessary connecting accessories	Meter	23,600				
17	SLTC of ISI mark 120 mm outer dia. DWC pipe conforming IS:14930 (II) with necessary connecting accessories	Meter	8,850				
18	SLTC of 3 Core 2.5 Sqmm XLPE Multistrand Unarmored Copper Cable	Meter	1,000				
19	SLTC of 3 Core 2.5 Sqmm XLPE Multistrand Armored Copper Cable	Meter	14,000				
20	SLTC of 7 Core 1.5 Sqmm XLPE Multistrand Armored Copper Cable	Meter	47,000				
21	SLTC of 14 Core 1.5 Sqmm XLPE Multistrand Armored Copper Cable	Meter	47,000				
22	SLTC of 6 core Armored Optical Fiber cable with accessories required to connect junction switch with SMC/SSCDL OFC network	Meter	14,000				
23	SITC of 96 Core Fiber Optic Splice Closure with Splicing of all Cores	Nos	62				
24	SITC of 6 Core Fiber Optic Splice Closure with Splicing of all Cores	Nos	62				
25	SITC of press molded composite FRP Junction Box/cabinet of 300mmx200mmx135mm (Dip), 2mm thick with Bakelite connector strip of required size, DIN rail, locking arrangements with mounting accessories for Existing traffic signal with necessary cable termination	Nos	300				
26	Dismantling of Cantilever traffic signal Pole with complete mounting components, foundation and other	Nos	50				

Schedule A: ITCS CAPEX

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
	accessories including transportation cost						
27	Dismantling of Standard traffic signal Pole with complete mounting components, foundation and other accessories including transportation cost	Nos	100				
28	Dismantling of Junction Box, Traffic Controller with foundation and other accessories including transportation cost	Nos	10				
29	Re-installation of Cantilever traffic signal Pole with complete mounting components, foundation and other accessories including transportation cost	Nos	50				
30	Re-installation of Standard traffic signal Pole with complete mounting components, foundation and other accessories including transportation cost	Nos	100				
31	Re-installation of Junction Box, Traffic Controller with foundation and other accessories including transportation cost	Nos	10				
32	Making Trench in Hard Murrum, Tar Road of suitable width and 90cm depth for laying any size of cables and backfilling the same and making the surface as normal ground	Meter	32,450				
33	Drilling the road without breaking the road surface for laying any size of cables (Horizontal Directional Drilling)	Meter	15,000				
B	Traffic Surveillance system						
34	SITC of Traffic Surveillance PTZ Cameras System with Complete mounting accessories as required	Nos	24				
35	SETC of Poles for PTZ Cameras with complete mounting accessories, suitable size of Pole mounted junction box (to house Switch, Media convertor, LIU, Power supply adaptor, Fiber closure, etc.) and civil works as required	Nos	24				
36	SLTC of UTP CAT-6 Armored cable with all accessories required for Termination	Meter	2,400				
37	Media Convertor with complete mounting accessories	Nos	24				
C	Traffic Enforcement system						
39	SITC of ANPR System for capturing number plates at 2 arms (mid-block) and 4	Locations	8				

Schedule A: ITCS CAPEX

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
	lanes at each location with complete hardware including but not limited to ANPR cameras, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.						
40	SITC of ANPR System for capturing number plates at 2 arms (mid-block) and 6 lanes at each location with complete hardware including but not limited to ANPR cameras, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	6				
41	SITC of Red-Light Violation Detection (RLVD) System for covering 3 arms and 2 lanes at each location with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Traffic Junctions	2				
42	SITC of Red-Light Violation Detection (RLVD) System for covering 4 arms and 2 lanes at each location with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Traffic Junctions	8				
43	SITC of Red-Light Violation Detection (RLVD) System for covering 5 arms and 2 lanes at each location with	Traffic Junctions	2				

Schedule A: ITCS CAPEX

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
	complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.						
44	SITC of Speed Detection System (SVDS) for covering 2 lanes in one direction with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, non-intrusive speed sensor, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	4				
45	SITC of Speed Detection System (SVDS) for covering 3 lanes in one direction with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, non-intrusive speed sensor, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	11				
D	Application Software						
46	Enterprise Management System (including SLA Management, Helpdesk Management, Network Management, Business Management Solution) (Pl give the break-up if different s/w required)	Lot	1				
47	Speed Detection System (Software + License) along with all modules to meet the functional requirements	Lot	1				
48	ANPR (Software + License) along with all modules to meet the functional requirements	Lot	1				
49	RLVD (Software + License) along with all modules to	Lot	1				

Schedule A: ITCS CAPEX

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
	meet the functional requirements						
E	Other Components						
50	Integration Cost for integration of RLVD, ANPR, SVDS applications with existing E-Challan software/system	Lot	1				
51	SITC of Server rack along with all required accessories	No.	1				
52	SITC of Network rack along with all required accessories	No.	1				
53	Existing Datacenter infrastructure Migration at ICCC datacenter along with all required accessories (including re-installation, re-commissioning, reconfiguration, transportation cost, etc.)	Lot	1				
54	SITCS of Workstation with screen/monitor along with all required accessories	Nos	5				
55	Existing Video Management Software (VMS)'s Camera Channel/Device Licenses (OEM- Milestone) with support for overall contract duration	Nos	50				
Total Amount							

12.2.3. Schedule B: CAPEX- Any Other Line Items

Schedule B: CAPEX-Any Other Line Items

#	Item Description	Unit of Measurement	Qty.	Unit Amount (Without GST) in INR	Total Amount (Without GST) in INR	Applicable GST in (%)	Total Amount (With GST) in INR
a	b	c	d	e	f=e*d	g%	h=f*(g+100) %
1		Nos					
2		Nos					
3		Nos					
4		Nos					
5		Nos					
6		Nos					
7		Nos					
8		Nos					
9		Nos					
10		Nos					

Total Amount

Note:

Solution designing will be responsibility of bidder. Any additional components not mentioned in Any schedule of Commercial bid but necessary for the solution / performance of the project, Bidder can quote for this component in above mentioned schedule. SSCDL may ask for price breakup of the component as well as justification of requirement of component.

All software license components related to Software Licenses for Virtualisation, Server OS, Database, Antivirus Software, etc. required to meet the scope of RFP can be enlisted above in this schedule as per their proposed solution.

12.2.4. Schedule C: OPEX- New Infrastructure

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure													
#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
A Adaptive Traffic Control System (ATCS)													
1	CAMC of New Traffic Signal Junctions (Traffic Controller, Cables, Vehicle detector cameras, Countdown timer, Field Junction Box, Poles, any other new components installed, etc.)	Traffic Junctions	118										
2	CAMC of upgraded Non BRTS corridor Traffic Signal Junctions (Traffic Controller, Countdown timer, Vehicle Detection Cameras, Field Junction Box, any other new components installed for upgradation, etc.)	Traffic Junctions	31										
3	CAMC of upgraded Phase 1 BRTS corridor Traffic Signal Junctions (Traffic controller, Countdown timer, Field Junction box, any other new components installed for upgradation, etc.)	Traffic Junctions	45										
4	CAMC of upgraded Phase-2 Extension BRTS Traffic Signal Junctions (Countdown Timer, any other new components installed for upgradation,	Traffic Junctions	39										

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure

#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
	etc.)												
5	CAMC of Online UPS with Batteries	Nos	152										
B Traffic Surveillance system													
6	CAMC of Traffic Surveillance PTZ Cameras System with Complete mounting accessories as required along with Poles & any other new components installed, etc.)	Nos	24										
C Traffic Enforcement system													
7	CAMC of ANPR System for capturing number plates at 2 arms (mid-block) and 4 lanes at each location with complete hardware including but not limited to ANPR cameras, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	8										

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure

#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
8	CAMC of ANPR System for capturing number plates at 2 arms (mid-block) and 6 lanes at each location with complete hardware including but not limited to ANPR cameras, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	6										
9	CAMC of Red-Light Violation Detection (RLVD) System for covering 3 arms and 2 lanes at each location with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components,	Traffic Junctions	2										

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure

#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
	Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.												
10	CAMC of Red-Light Violation Detection (RLVD) System for covering 4 arms and 2 lanes at each location with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Traffic Junctions	8										

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure

#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
11	CAMC of Red-Light Violation Detection (RLVD) System for covering 5 arms and 2 lanes at each location with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Traffic Junctions	2										
12	CAMC of Speed Detection System (SVDS) for covering 2 lanes in one direction with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, non-intrusive speed sensor, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components,	Locations	4										

Schedule C: Comprehensive Annual Maintenance (CAMC) and operations for New Infrastructure

#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
	Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.												
13	CAMC of Speed Detection System (SVDS) for covering 3 lanes in one direction with complete hardware including but not limited to ANPR cameras, Evidence Camera, external IR illuminator, non-intrusive speed sensor, Local Processing unit (LPU), Local recording device, Switches, Field Junction box to house all solution components, Networking components, Online UPS with batteries (1 hr. backup at full load), required power & data cables and suitable mounting infrastructure with civil work, etc.	Locations	11										
Total Amount													

12.2.5. Schedule D: OPEX- Any Other Line Items quoted in Schedule B

Schedule D: Comprehensive Annual Maintenance (CAMC) and operations for Any Other Line Items quoted in Schedule B													
#	Item Description	Unit of Measurement	Qty.	Total 2nd Year Amount (Without GST) in INR	Total 2nd Year Amount (With GST) in INR	Total 3rd Year Amount (Without GST) in INR	Total 3rd Year Amount (With GST) in INR	Total 4th Year Amount (Without GST) in INR	Total 4th Year Amount (With GST) in INR	Total 5th Year Amount (Without GST) in INR	Total 5th Year Amount (With GST) in INR	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m=e+g+i+k	n=f+h+j+l
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
Total Amount													

12.2.6. Schedule E: OPEX- Existing Infrastructure

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Existing Infrastructure															
#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
A	ATCS infrastructure														
1	CAMC of existing Non BRTS Junctions traffic signals (Poles, Cables, Aspects, Pedestrian, etc.)	Traffic Junctions	31												
2	CAMC of existing Phase 1 BRTS corridor Traffic Signals (Poles, Cables, Aspects, Pedestrian, Vehicle detector cameras, etc.)	Traffic Junctions	45												
3	CAMC of existing Phase 2 Ext. BRTS corridor Traffic Signals (Traffic Controller, Aspects, Pedestrian, Poles, Cable, Vehicle detector cameras, Field Junction Box, etc.)	Traffic Junctions	39												
4	CAMC of Existing Traffic Signals implemented by previous agency (Traffic Controller, Aspects, Pedestrian, Poles, Cable, Vehicle detector cameras etc.)	Traffic Junctions	43												
5	CAMC of Countdown timer (CDT)	Nos	328												

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Existing Infrastructure

#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
6	CAMC of Pedestrian lamp heads - Stop & Animated Walk Man with countdown timer with mounting accessories	Nos	302												
7	CAMC of UPS with Batteries	Nos	124												
8	CAMC of Field Junction Box/Cabinets	Nos	180												
9	CAMC of Edge level Switches for junction	Nos	111												
B	ITS infrastructure														
10	CAMC of Traffic Surveillance PTZ Cameras System (PTZ cameras, Mounting structure, Networking components, etc.)	Nos	26												
11	CAMC of ANPR System implemented by previous agency for capturing number plates at 2 arms and 4 lanes at each traffic junction with complete hardware and accessories (ANPR cameras, Mounting Structure, external IR illuminator, Field Junction box, etc.),	Locations	3												

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Existing Infrastructure

#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
12	CAMC of Variable Message Signboard system implemented by previous agency (Including all components available at site such as VMS board, Controller, Mounting Structure, Field Junction Box, UPS with Battery, Vehicle detection Camera, cable, etc.)	Locations	3												
C Datacenter Infrastructure															
13	CAMC of Existing ATCS Application software CDAC-TraMM Co-Si-Cost	Lot	1												
14	CAMS of Existing Video Management Application Software base License including 86 Camera/Channel License and Client licenses	Lot	1												
15	Primary Storage (in TB)	TB	60												
16	Secondary Storage (in TB)	TB	285												
17	Backup Storage (in TB)	TB	50												
18	Application Servers	Nos	7												

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Existing Infrastructure

#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
19	Anti-virus Software	No.	1												
20	Core Router	Nos	2												
21	L3 Switches	Nos	2												
22	Firewall	No.	1												
23	Core Switch	Nos	2												
24	Racks (Caged)	Nos	2												
Total Amount															

12.2.7 Schedule F: OPEX - Application Software

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Application Software

#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
A	Application Software														
1	Enterprise Management System (including SLA Management, Helpdesk Management, Network	Lot	1												

Schedule E: Comprehensive Annual Maintenance (CAMC) and operations for Application Software

#	Item Description	Unit of Measurement	Qty	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
	Management, Business Management Solution) (Pl give the break-up if different s/w required)														
2	Speed Detection System (Software + License) along with all modules to meet the functional requirements	Lot	1												
3	ANPR (Software + License) along with all modules to meet the functional requirements	Lot	1												
4	RLVD (Software + License) along with all modules to meet the functional requirements	Lot	1												
Total Amount															

12.2.8. Schedule G: Network Connectivity

Schedule G: Comprehensive Annual Maintenance (CAMC) and operations for Network Connectivity															
#	Item Description	Location	Proposed Bandwidth (Bidder to specify Bandwidth in Mbps)	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
A Network Connectivity															
1	Connectivity Cost for ATCS junctions to ICC/ITMAC	110													
2	Connectivity Cost from Traffic Surveillance Cameras to ICC/ITMAC	22													
3	Connectivity Cost from ANPR locations to ICC/ITMAC - 2 arm 4 lanes	6													
4	Connectivity Cost from ANPR locations to ICC/ITMAC- 2 arm 6 lanes	2													
5	Connectivity Cost from RLVD at Traffic	1													

Schedule G: Comprehensive Annual Maintenance (CAMC) and operations for Network Connectivity

#	Item Description	Location	Proposed Bandwidth (Bidder to specify Bandwidth in Mbps)	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
	junctions to ICC/ITMAC - 3 arm 2 lanes														
6	Connectivity Cost from RLVD at Traffic junctions to ICC/ITMAC-4 arm 2 lanes	5													
7	Connectivity Cost from RLVD at Traffic junctions to ICC/ITMAC - 5 arm 2 lanes	1													
8	Connectivity Cost from SVDS locations to ICC/ITMAC - 2 lanes	4													
9	Connectivity Cost from SVDS locations to ICC/ITMAC - 3 lanes	4													
10	Aggregation														

Schedule G: Comprehensive Annual Maintenance (CAMC) and operations for Network Connectivity

#	Item Description	Location	Proposed Bandwidth (Bidder to specify Bandwidth in Mbps)	Total 1st Year Amount (Without GST) in INR	Total 1st Year Amount (With Tax) (INR)	Total 2nd Year Amount (Without Tax) (INR)	Total 2nd Year Amount (With Tax) (INR)	Total 3rd Year Amount (Without Tax) (INR)	Total 3rd Year Amount (With Tax) (INR)	Total 4th Year Amount (Without Tax) (INR)	Total 4th Year Amount (With Tax) (INR)	Total 5th Year Amount (Without Tax) (INR)	Total 5th Year Amount (With Tax) (INR)	Total Amount for 5 years (Without GST) in INR	Total Amount for 5 years (With GST) in INR
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o=e+g+i+k+m	p=f+h+j+l+n
	Bandwidth at ICCV/ITMAC	1													
11	Connectivity cost from ICCV/ITMAC to Police Command Center	1													
12	4G GSM Connectivity Cost from Variable Message Signboards to ICCV/ITMAC	3													
Total Amount															

Annexure - IV- Serial No. Existing Data Center Infrastructure

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.
A	SC7020 3Ux30 Drive Storage Array [Dell Storage SC7020 - APJ] (Primary Storage)	1 Nos	Dell	SC7020	7JHXVV2	
1	799-AAEQ : Mod Specs Info (India)	1 Nos	Dell			2K158
2	400-AIXX : SC, 1.8TB, SAS, 12Gb, 10K, 2.5 ", HD	30 Nos	Dell			6FV4P
3	450-AFMD : Redundant Power Supply, 1485W, C14	1 Nos	Dell			68MPJ
4	470-ABDO : 12Gb HD-Mini to HD-Mini SAS cable, 2m	10 Nos	Dell			GYK61
5	403-BBKY : SC7020, RJ45, 4-port, Mezz Card, QTY2	1 Nos	Dell			M7J11
6	389-BKIZ : Regulatory Label for Compellent SC7020/SC5020 - APCC and TW	1 Nos	Dell			448Y9
7	565-BBDP : IO, 12Gb SAS, 4port, PCI-E, Full height, QTY2	2 Nos	Dell			5YYRH
8	565-BBDL : IO, 16Gb FC, 4Port, PCI-E, Full height, QTY 2	2 Nos	Dell			6WJKM
9	634-BHJJ : Storage Center Core Software Bundle, Base License	1 Nos	Dell			9NF2X
10	634-BHJL : SSN License	1 Nos	Dell			4HXJD
11	470-ABQV : LC-LC Optical Cable, 3M	8 Nos	Dell			UH045
12	449-BBKS : SC7020 Enclosure Assembly	1 Nos	Dell			TWG6J
13	770-BBJE : Rack rail, 2Us, Static	1 Nos	Dell			6CJRH
14	634-BHMI : Storage Center Drive Certificate	1 Nos	Dell			XM3RG
15	210-AHTX : SC7020 3Ux30 Drive Storage Array	1 Nos	Dell			XNoT2
16	SC420 Enclosure (1st enclosure of new array) [Dell Storage SC420 2.5 Enclosure -APJ]	1 Nos	Dell	Dell Storage SC420	7JSoWV2	
17	799-AAEQ : Mod Specs Info (India)	1 Nos	Dell			2K158
18	Hard Drive Filler 2.5in, single blank	8 Nos	Dell			96FHG
19	770-BBJE : Rack rail, 2Us, Static	1 Nos	Dell			6CJRH
20	400-AIXX : SC, 1.8TB, SAS, 12Gb, 10K, 2.5 ", HD	16 Nos	Dell			7D4F6
21	ASSEMBLY, LABEL, HARD DRIVE, 10K, 1.8TB, SERIAL ATTACHED SCSI	16 Nos	Dell			4NW8H
22	400-AEPR : Hard Drive Filler 2.5in, single blank	8 Nos	Dell			96FHG
23	450-AFFD : Power supply, AC 600W, Redundant	1 Nos	Dell			1D84G
24	450-AGDI : Jumper Cord, 10A, 2M, C13/C14 (In dia BIS)	2 Nos	Dell			68C8M
25	470-ABDO : 12Gb HD-Mini to HD-Mini SAS cable, 2m	2 Nos	Dell			GYK61
26	Regulatory Label for Compellent SC420 - APCC and TW	1 Nos	Dell			D6MJM
27	403-BBKM : Enclosure Management Module, Dual	2 Nos	Dell			2X93X
B	Dell EMC NX3240 (Secondary Storage)	1 Nos	Dell	Dell EMC NX3240	8W1YVV2	
1	799-AAEQ : Mod Specs Info (India)	1 Nos	Dell			2K158
2	770-BBBR : ReadyRails Sliding Rails With Cable Management Arm	1 Nos	Dell			YF1JW
3	KIT, RDYRL, 2U, SLIDE, SLIM FORM FACTOR, KING SLIDE WORKS LTD, COST REDUCED	1 Nos	Dell			oPWN3
4	329-BDKH : PowerEdge R740/R740XD Motherboard	1 Nos	Dell			JMK61
5	21-BCPV : Chassis with up to 12 x 3.5" HDDs on BP, 4 x 3.5" HDDs on MP and 2 x 3.5" HDDs Flexbay, 1 and 2CPU Configuration	1 Nos	Dell			TGG9T
6	330-BBHG : Riser Config 2, 3 x8, 1 x16 slots	1 Nos	Dell			RJRK7

ADDENDUM & CORRIGENDUM -1 SELECTION OF IMPLEMENTATION AGENCY FOR INTEGRATED TRAFFIC CONTROL SYSTEM IN SURAT CITY

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.	
7	374-BBPP : Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s , 14M Cache, Turbo, HT (85W) DDR4-2400,INFORMATION, 2ND CPU	1 Nos	Dell			PVGWV	
8	PROCESSOR, 4114, 2.2, 13.75MB, SKL, Uo					C6RY1	
9	400-ASKH : 10TB 7.2K RPM NLSAS 12Gbps 512 e 3.5in Hot-plug Hard Drive	12 Nos	Dell			X7K8W	
10	401-ABCF : 600GB 10K RPM SAS 12Gbps 512n 2.5in Flex Bay Hard Drive, 3.5 in HYB CARR	2 Nos	Dell			4JKNV	
11	401-ABEV : 10TB 7.2K RPM NLSAS 12Gbps 512 e 3.5in Internal Hard Drive	12 Nos	Dell			CXG6T	
12	SCREW, 6-32X.225, PHILLIPS HEAD, FLAT HEAD, BLACK	48 Nos	Dell			WD06K	
13	HARD DRIVE, 10T, NL12, 7.2K, 3.5, H-LIBRA	12 Nos	Dell			07FPR	
14	PERC H730P RAID Controller, 2GB NV Cache, Mini card	1 Nos	Dell			04M4C	
15	384-BBPZ : 6 Performance Fans forR740/740 XD	1 Nos	Dell			YH10H	
16	412-AAIP : 1U Pipe Low Profile Heatsink	2 Nos	Dell			XPDVP	
17	450-ADWS : Dual, Hot-plug, Redundant Power Supply (1+1), 750W	1 Nos	Dell			N6523	
18	370-ADND : 16GB RDIMM, 2666MT/s, Dual Rank	4 Nos	Dell			PWR5T	
19	Broadcom 57412 2 Port 10Gb SFP+ + 5720 2 Port 1Gb Base-T, rNDC, SERVICE CHARGE, SOFTWARE, NETWORK, BCME, FY19DEC	1 Nos	Dell			R3YW5	
20	Card, Network, RNDC, BRCM, 10GSFP	1 Nos	Dell			NWMNX	
21	634-BRMV : Windows Storage Servers 2016 Standard Edition	1 Nos	Dell			G58VG	
22	405-AAQU : PERC H730P RAID Controller, 2GB NV Cache, Mini card					04M4C	
23	RAID 5	1 Nos	Dell			MD4D7	
24	528-BBWT : OME Server Configuration Management	1 Nos	Dell			N3WPH	
25	325-BCHV : PowerEdge 2U LCD Bezel	1 Nos				12Y5P	
26	Dell Storage MD1400, 12 HDs 3.5", Rackmount, 2Us	2 Nos	Dell	Dell Storage MD1400		7RJ0WV2	7RHXV V2
27	799-AAEQ : Mod Specs Info (India)	2 Nos	Dell		7RJ0WV2	2K158	2K158
28	770-BBJE : Rack rail, 2Us, Static	2 Nos	Dell		7RHXVV2	6CJRH	6CJRH
29	470-ABDO : 12Gb HD-Mini to HD-Mini SAS cable, 2m	2 Nos	Dell			GYK61	GYK61
30	450-AGDI : Jumper Cord,10A,2M,C13/C14 (In dia BIS)	4 Nos	Dell			68C8M	68C8M
31	450-AEBJ : Power supply, AC 600W, Redundant	2 Nos	Dell			1D84G	GD7W3
32	403-BBGM : Enclosure Management Module, dual	4 Nos	Dell			2X93X	2X93X
33	400-ANVU : 10TB 7.2K RPM SAS 4Kn 3.5in Hot-plug Hard Drive	20 Nos	Dell			YG2KH	KG1CH
34	400-ABSK : Hard Drive Blank Filler 3.5	4 Nos	Dell			253X1	253X1
35	389-BFLR : Regulatory Label for MD1400 (A PCC & TW)	2 Nos	Dell			TXK4W	TXK4W
36	340-AMOP : Ship Mod for PowerVault(TM) MD 1400, APCC and Taiwan	2 Nos	Dell			D5MHR	5PP8F
37	325-BCKY : Bezel MD1400, 2U, 12 Drives	2 Nos	Dell			4RT4V	4RT4V
38	210-ACZB : Dell Storage MD1400, 12 HDs 3.5 Rackmount 2Us"	2 Nos	Dell			M2X33	814GD

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.
C	Dell EMC NX3240 (Backup Storage)	1 No	Dell	Dell EMC	8WHoW	

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#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.
				NX3240	V2	
1	799-AAEQ : Mod Specs Info (India)	1 Nos	Dell			2K158
2	329-BDKH : PowerEdge R740/R740XD Motherboard	1 Nos	Dell			JMK61
3	338-BLUS : Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s , 14M Cache, Turbo, HT (85W) DDR4-2400	1 Nos	Dell			C6RY1
4	321-BCPV : Chassis with up to 12 x 3.5" H DDs on BP, 4 x 3.5" HDDs on M P and 2 x 3.5" HDDs Flexbay, 1 and 2CPU Configuration	1 Nos	Dell			W6W09
5	325-BCHV : PowerEdge 2U LCD Beze	1 Nos	Dell			12Y5P
6	330-BBHG : Riser Config 2, 3 x8, 1 x16 slots	1 Nos	Dell			RJRK7
7	370-ADND : 16GB RDIMM, 2666MT/s, Dual Rank	4 Nos	Dell			864KE
8	370-ABWE : DIMM Blanks for System with 2 Processors	22 Nos	Dell			5M8WD
9	374-BBPP : Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s , 14M Cache, Turbo, HT (85W) DDR4-2400	1 Nos	Dell			C6RY1
10	400-ASKH : 10TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	7 Nos	Dell			X7K8W
11	HARD DRIVE, 10T, NL12, 7.2K, 3.5, H-LIBRA	7 Nos	Dell			07FPR
12	401-ABCF : 600GB 10K RPM SAS 12Gbps 512n 2.5in Flex Bay Hard Drive, 3.5 in HYB CARR	2 Nos	Dell			4JKNV
13	ASSEMBLY, CARRIER, HARD DRIVE, 3.5, 14G	2 Nos	Dell			X7K8W
14	384-BBPZ : 6 Performance Fans forR740/740 XD	1 Nos	Dell			YH10H
15	405-AAMU : PERC H840 RAID Adapter for External MD14XX Only, 8GB NV Cache, Full Height	1 Nos	Dell			W3RJ4
16	405-AAQU : PERC H730P RAID Controller, 2G B NV Cache, Mini card	1 Nos	Dell			T95KK
17	450-AAMN : Deskside Power Cord, GType, 230V,2M (Nepal, Sri Lanka, India)	2 Nos	Dell			11254
18	450-ADWS : Dual, Hot-plug, Redundant Power Supply (1+1), 750W	1 Nos	Dell			N6523
19	528-BBWT : OME Server Configuration Management	1 Nos	Dell			JGR6P
20	540-BBUL : Broadcom 57412 Dual Port 10GbE SFP+ & 5720 Dual Port 1GbE BASE-T rNDC	1 Nos	Dell			Y513X
21	Card, Network, RNDC, BRCM, 10GSFP	1 Nos	Dell			NWMNX
22	634-BRMV : Windows Storage Servers 2016 Standard Edition	1 Nos	Dell			XR121
23	770-BBBR : ReadyRails Sliding Rails With Cable Management Arm	1 Nos	Dell			YF1JW
24	780-BCJX : RAID 5	1 Nos	Dell			MD4D7
D	Dell(TM) PowerEdge(TM) M1000e Modular Blade Enclosure, 10U Chassis	1 Nos	Dell	Dell (TM) PowerEdge (TM) M1000e	7JM89V2	
1	Media Tray for External Optical Drive	1 Nos	Dell			TY980
2	Chassis Enclosure for Modular Blade Server, with integration of Fan	1 Nos	Dell			TN3TV
3	Redundant Power Supplies (6x 3000W) High Efficiency, M1000e Blade Chassis	1 Nos	Dell			8V4DK
4	Redundant: Dell Force10 MXL 10/40 GbE DCB Blade Switch	1 Nos	Dell			0009
5	Redundant: Brocade M6505 12-24 Port FC16 Blade Switch	1 Nos	Dell			0009

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#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.
6	Avocent(R) Integrated KVM Switch Module 1	1 Nos	Dell			K036D
7	Dell(TM) Open Manage(TM) Software Kit for PowerEdge(TM) M1000e	1 Nos	Dell			5PR22
8	450-AGDJ : Jumper Cord,16A,2.5M,C19/C20 (India BIS),CORD, POWER, 16A, 2.5M, C19/20, J, INDIA	6 Nos	Dell			6W6FG
9	770-10809 : Static Rapid Rails(TM) for PowerEdge(TM) M1000e	1 Nos	Dell			NC5NP
10	788-10003 : Redundant Chassis Management Controller	1 Nos	Dell			YK959
11	385-BBJS : CMC Extended Storage Card	1 Nos	Dell			73XWX
12	210-23372 : Dell(TM) PowerEdge(TM) M1000e Modular Blade Enclosure, 10U Chassis	1 Nos	Dell			JD509
13	340-26758 : System Info Label	1 Nos	Dell			CJ69F
D	Dell Force10 MXL 10/40 GbE DCB Blade Switch Factory Installed in M1000e Chassis Redundant	2 Nos	Dell	Dell Force10 MXL		
1	470-AAFF : Dell Networking, Cable, QSFP+ to QSFP+, 40GbE Passive Copper Direct Attach Cable, 5 Meters	2 Nos	Dell		7JM79V2	J90VN
2	470-AAGR : Dell Networking, Cable, SFP+ to SFP+, 10GbE, Copper Twinax Direct Attach Cable, 5 Meter	8 Nos	Dell		7JLH9V2	358VV
3	409-10925 : Serial I/O Management Cable for Ethernet Blade Switches	2 Nos	Dell			WY835
4	409-10924 : SFP+ 10GbE Module 4 port Hot Swappable 4x SFP+ ports (optics or direct attach cables required)	2 Nos	Dell			PHP6J
5	407-10659 : 10GbE SFP+ Transceiver SR	2 Nos	Dell			WTRD1
6	210-40624 : Dell Force10 MXL 10/40 GbE DCB Blade Switch Factory Installed in M1000e Chassis Redundant	2 Nos	Dell			NC981
7	SWITCH BOX, 56P, 10/40, FACTORY INSTALL, MXL, V2	2 Nos	Dell			5P6R1
8	340-30119 : User Documentation for Navasota MXL F10 FI switch	2 Nos	Dell			7JN9G
E	Brocade M6505 FC16 Switch + AG, 24 ports with 4 16GB SFPs, Redundant Configuration	2 Nos	Dell	Brocade M6505		
1	210-41375 : Brocade M6505 FC16 Switch + AG , 24 ports with 4 16GB SFPs, Redundant Configuration	2 Nos	Dell		7JL99V2	NC981
2	407-11241 : One Brocade SFP,16G	8 Nos	Dell		7JLC9V2	2DoN2
3	800-13396 : Brocade M6505 WW Documentation Kit	2 Nos	Dell			TMRK6
4	SWITCH BOX, 24PRT+4, FC16, FACTORY INSTALL, M6505	2 Nos	Dell			HTPC7

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.				
F	PowerEdge M630 Blade Server	5 Nos	Dell	PowerEdge M630		7JGC9V2	7JFH9V2	7JFD9V2	7JDF9V2	7JD79V2
1	799-AAEQ : Mod Specs Info (India)	5 Nos	Dell		7JGC9V2	2K158	2K158	2K158	2K158	2K158
2	780-BBIS : RAID 1 for H330/H730/H730P (2 HDDs, SAS/SATA/SSD)	5 Nos	Dell		7JFH9V2	257WF	257WF	257WF	257WF	257WF
3	750-AAFD : 68MM Processor Heatsink Shroud for	5 Nos	Dell		7JFD9V2	57FC8	57FC8	57FC8	57FC8	57FC8

ADDENDUM & CORRIGENDUM -1 SELECTION OF IMPLEMENTATION AGENCY FOR INTEGRATED TRAFFIC CONTROL SYSTEM IN SURAT CITY

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.				
	PowerEdge M630									
4	634-BBWU : Open Manage Essentials, Server Configuration Management	5 Nos	Dell		7JDF9V2	N3WPH	N3WPH	N3WPH	N3WPH	N3WPH
5	631-AAACK : No Systems Documentation, No Open Manage DVD Kit	5 Nos	Dell		7JD79V2	7213U	7213U	7213U	7213U	7213U
6	611-BBBF : No Operating System	5 Nos	Dell			1U112	1U112	1U112	1U112	1U112
7	543-BBBP : QLogic QME2662 16Gbps Fibre Channel I/O Card	5 Nos	Dell			YX9YD	YX9YD	YX9YD	YX9YD	YX9YD
8	540-BBCQ : QLogic 57840S 10Gb Quad Port K R CNA Blade Network Daughter Card	5 Nos	Dell			R18RT	R18RT	R18RT	R18RT	R18RT
9	461-AAED : PE Server FIPS TPM 1.2v2 CC	5 Nos	Dell			R9X21	R9X21	R9X21	R9X21	R9X21
10	412-AADZ : 68MM Heatsink for PowerEdge M6 30 Processor 2	5 Nos	Dell			93GVP	93GVP	93GVP	93GVP	93GVP
11	412-AADY : 68MM Heatsink for PowerEdge M6 30 Processor 1	5 Nos	Dell			D4T8T	D4T8T	D4T8T	D4T8T	D4T8T
12	406-BBEO : 2.5" Backplane with up to 2 Hard Drives and PERC RAID Controller	5 Nos	Dell			HG2Wo	HG2Wo	HG2Wo	HG2Wo	HG2Wo
13	405-AAED : H330 Controller	5 Nos	Dell			TJFYT	TJFYT	TJFYT	TJFYT	TJFYT
14	400-AJOX : 600GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive	10 Nos	Dell			XXTRP	XXTRP	XXTRP	XXTRP	XXTRP
15	385-BBHO : iDRAC8 Enterprise, integrated Dell Remote Access Controller, Enterprise	5 Nos	Dell			N3WPH	N3WPH	N3WPH	N3WPH	N3WPH
16	384-BBDP : Standard Cooling,M630	5 Nos	Dell			3WDTH	3WDTH	3WDTH	3WDTH	3WDTH
17	384-BBBL : Performance BIOS Settings	5 Nos	Dell			N756K	N756K	N756K	N756K	N756K
18	379-BBXB : Info for M630	5 Nos	Dell			W21JJ	W21JJ	W21JJ	W21JJ	W21JJ
19	374-BBHL : DIMM Blanks for System with 2 Processors	110 Nos	Dell			5M8WD	5M8WD	5M8WD	5M8WD	5M8WD
20	370-ACPH : 2400MT/s RDIMMs	5 Nos	Dell			V4Y10	V4Y10	V4Y10	V4Y10	V4Y10
21	370-ACNX : 16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width	20 Nos	Dell			HNDJ7	HNDJ7	HNDJ7	HNDJ7	HNDJ7
22	370-AAIP : Performance Optimized	5 Nos	Dell			74FPM	74FPM	74FPM	74FPM	74FPM
23	340-ANXY : No Packaging for Blade. Blade installed into Chassis at Factory	5 Nos	Dell			W21JJ	W21JJ	W21JJ	W21JJ	W21JJ
24	340-ANUJ : Regulatory Label for PowerEdge (TM) M630	5 Nos	Dell			7V150	7V150	7V150	7V150	7V150
25	340-ANTZ : Ship Mod for PowerEdge(TM) M630 (APCC,TW)	5 Nos	Dell			6GC4D	6GC4D	6GC4D	6GC4D	6GC4D
26	340-ANTX : System Info Label for PowerEdge(TM) M630 (APCC,TW)	5 Nos	Dell			X1V3Y	X1V3Y	X1V3Y	X1V3Y	X1V3Y
27	340-AJTB : Info for Intel Blade installed into Chassis at Factory	5 Nos	Dell			W21JJ	W21JJ	W21JJ	W21JJ	W21JJ

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#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.				
28	338-BJDN : Intel Xeon E5-2640 v4 2.4GHz,2 5M Cache,8.0GT/s QPI,Turbo,HT, 10C/20T (90W) Max Mem 2133MHz	5 Nos	Dell			PVGWV	PVGWV	PVGWV	PVGWV	PVGWV
29	338-BJDL : Intel Xeon E5-2640 v4 2.4GHz,2 5M Cache,8.0GT/s QPI,Turbo,HT, 10C/20T (90W) Max Mem 2133MHz	5 Nos	Dell			3JP2W	3JP2W	3JP2W	3JP2W	3JP2W
30	330-BBCY : No Internal SD Module	5 Nos	Dell			3J4K6	3J4K6	3J4K6	3J4K6	3J4K6
31	329-BCZJ : PowerEdge M630 Motherboard MLK	5 Nos	Dell			2F3MP	2F3MP	2F3MP	2F3MP	2F3MP
32	210-ACXR : PowerEdge M630 Blade Server	5 Nos	Dell			C108D	C108D	C108D	C108D	C108D

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.	
G	PowerEdge M630 Blade Server	2 Nos	Dell	PowerEdge M630		9VY0TR2	9VYXSR2
1	799-AAEQ : Mod Specs Info (India)	2 Nos	Dell		9VY0TR2	2K158	2K158
2	780-BBIS : RAID 1 for H330/H730/H730P (2 HDDs, SAS/SATA/SSD)	2 Nos	Dell		9VYXSR2	257WF	257WF
3	750-AAFD : 68MM Processor Heatsink Shroud for PowerEdge M630	2 Nos	Dell			57FC8	57FC8
4	634-BBWU : Open Manage Essentials, Server Configuration Management	2 Nos	Dell			N3WPH	N3WPH
5	631-AAACK : No Systems Documentation, No Open Manage DVD Kit	2 Nos	Dell			7213U	7213U
6	611-BBBF : No Operating System	2 Nos	Dell			1U112	1U112
7	543-BBBP : QLogic QME2662 16Gbps Fibre Channel I/O Card	2 Nos	Dell			YX9YD	YX9YD
8	540-BBCQ : QLogic 57840S 10Gb Quad Port K R CNA Blade Network Daughter Card	2 Nos	Dell			WWN63	WWN63
9	461-AAED : PE Server FIPS TPM 1.2v2 CC	2 Nos	Dell			386VY	386VY
10	412-AAZD : 68MM Heatsink for PowerEdge M6 30 Processor 2	2 Nos	Dell			93GVP	93GVP
11	412-AADY : 68MM Heatsink for PowerEdge M6 30 Processor 1	2 Nos	Dell			D4T8T	D4T8T
12	406-BBEO : 2.5" Backplane with up to 2 Hard Drives and PERC RAID Controller	8 Nos	Dell			R9445	R9445
13	405-AAED : H330 Controller	2 Nos	Dell			7G4YN	7G4YN
14	400-AJOX : 600GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive	2 Nos	Dell			3556E	3556E
15	385-BBHO : iDRAC8 Enterprise, integrated Dell Remote Access Controller, Enterprise	2 Nos	Dell			515PW	515PW
16	384-BBDP : Standard Cooling,M630	2 Nos	Dell			3WDTH	3WDTH
17	384-BBBL : Performance BIOS Settings	2 Nos	Dell			N756K	N756K
18	379-BBxB : Info for M630	2 Nos	Dell			W21JJ	W21JJ
19	374-BBHL : DIMM Blanks for System with 2 Processors	44 Nos	Dell			5M8WD	5M8WD
20	370-ACPH : 2400MT/s RDIMMs	2 Nos	Dell			V4Y10	V4Y10
21	370-ACNX : 16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width	8 Nos	Dell			HNDJ7	HNDJ7
22	370-AAIP : Performance Optimized	2 Nos	Dell			74FPM	74FPM
23	340-APQT : MOD,LBL,TAG,INFO,MDLR,13G	2 Nos	Dell			MWJG8	MWJG8

ADDENDUM & CORRIGENDUM -1 SELECTION OF IMPLEMENTATION AGENCY FOR INTEGRATED TRAFFIC CONTROL SYSTEM IN SURAT CITY

#	Component Description	Qty.	Make	Model No.	Serial No.	Part No.
24	340-ANXX : Single Blade Packaging (Shipped without Chassis)	2 Nos	Dell			CM979 CM979
25	340-ANUJ : Regulatory Label for PowerEdge (TM) M630	2 Nos	Dell			7V150 7V150
26	340-ANTZ : Ship Mod for PowerEdge(TM) M630 (APCC,TW)	2 Nos	Dell			J8NF0 J8NF0
27	340-ANTX : System Info Label for PowerEdge (TM) M630 (APCC,TW)	2 Nos	Dell			X1V3Y X1V3Y
28	338-BJDW : Intel Xeon E5-2650 v4 ,30M Cache,9.60GT/s QPI,Turbo,HT ,12C/24T (105W) Max Mem 2400MH z	2 Nos	Dell			PVGWV PVGWV
29	338-BJDV : Intel Xeon E5-2650 v4 ,30M Cache,9.60GT/s QPI,Turbo,HT ,12C/24T (105W) Max Mem 2400MH z	2 Nos	Dell			NGM8T NGM8T
30	330-BBCY : No Internal SD Module	2 Nos	Dell			3J4K6 3J4K6
31	329-BCZJ : PowerEdge M630 Motherboard MLK	2 Nos	Dell			2F3MP 2F3MP
32	210-ACXR : PowerEdge M630 Blade Server	2 Nos	Dell			PWToJ PWToJ

#	Product Description	Qty.	Make	Model No	Serial No	Part No
A	Core Router	1 Nos	Cisco	ASR1001-X	FXS2235Q38N	
1.	[Part Number] :- C1-ASR1001-X/K9 [Product Details] :- Cisco ONE - ASR1001-X	1 No				C1-ASR1001-X/K9
2.	[Part Number] :- ASR1K-WAN-AGGR [Product Details] :- ASR1k-WAN Aggregation with or without Crypto - tracking only	1 No				ASR1K-WAN-AGGR
3.	[Part Number] :- GLC-TE [Product Details] :- 1000BASE-T SFP transceiver module for Category 5 copper wire	1 No				GLC-TE
4.	[Part Number] :- SFP-10G-SR [Product Details] :- 10GBASE-SR SFP Module	1 No				SFP-10G-SR
5.	[Part Number] :- NIM-BLANK [Product Details] :- Blank faceplate for NIM slot on Cisco ISR 4400	1 No				NIM-BLANK
6.	[Part Number] :- FLSA1-BIN-2X10GE-P [Product Details] :- ASR1001-X Built-In 10GE 2-port License	1 No				FLSA1-BIN-2X10GE-P
7	[Part Number] :- ASR1001-X-PWR-AC	2 No.				ASR1001-X-PWR-AC

#	Product Description	Qty.	Make	Model No	Serial No	Part No
	[Product Details] :- Cisco ASR1001-X AC Power Supply					
8	[Part Number] :- XFP-10G-MM-SR [Product Details] :- 10GBASE-SR XFP Module	1 No				XFP-10G-MM-SR
9	[Part Number] :- SASR1K1XUK9-169 [Product Details] :- Cisco ASR1001-X IOS XE UNIVERSAL	1 No.				SASR1K1XUK9-169
B	Core Router	1 Nos	Cisco	ASR1001-X	FXS2235Q370	
1.	[Part Number] :- C1-ASR1001-X/K9 [Product Details] :- Cisco ONE - ASR1001-X	1 No				C1-ASR1001-X/K9
2.	[Part Number] :- ASR1K-WAN-AGGR [Product Details] :- ASR1k-WAN Aggregation with or without Crypto - tracking only	1 No				ASR1K-WAN-AGGR
3.	[Part Number] :- GLC-TE [Product Details] :- 1000BASE-T SFP transceiver module for Category 5 copper wire	1 No				GLC-TE
4.	[Part Number] :- SFP-10G-SR [Product Details] :- 10GBASE-SR SFP Module	1 No				SFP-10G-SR
5.	[Part Number] :- NIM-BLANK [Product Details] :- Blank faceplate for NIM slot on Cisco ISR 4400	1 No				NIM-BLANK
6.	[Part Number] :- FLSA1-BIN-2X10GE-P [Product Details] :- ASR1001-X Built-In 10GE 2-port License	1 No				FLSA1-BIN-2X10GE- P
7	[Part Number] :- ASR1001-X-PWR-AC [Product Details] :- Cisco ASR1001-X AC Power Supply	2 No.				ASR1001-X-PWR-AC
8	[Part Number] :- XFP-10G-MM-SR [Product Details] :- 10GBASE-SR XFP Module	1 No				XFP-10G-MM-SR
9	[Part Number] :- SASR1K1XUK9-169 [Product	1 No.				SASR1K1XUK9-169

#	Product Description	Qty.	Make	Model No	Serial No	Part No
	Details] :- Cisco ASR1001-X IOS XE UNIVERSAL					
C	Firewall	1 Nos	Cisco	FPR4110-NGFW-K9	JMX2315LO3S	
			Cisco	FMC1000-K9	FCH2313VoQC	
1	[Part Number] :- FMC1000-K9 [Product Details] :- Cisco Firepower Management Center 1000 Chassis	1 No.				FMC1000-K9
2	[Part Number] :- FMC-PWR-AC-770W [Product Details] :- Cisco AC Power Supply 770W for FMC	2 No.				FMC-PWR-AC-770W
3	[Part Number] :- SFS-250V-10A-ID [Product Details] :- SFS Power Cord - 250V, 10A , India	2 No.				SFS-250V-10A-ID
4	[Part Number] :- SF-FMC-6.2.3-K9 [Product Details] :- Cisco Firepower Management Center Software v6.2.3	1 No.				SF-FMC-6.2.3-K9
5	[Part Number] :- FMC-MRAID12G [Product Details] :- Cisco FMC 12G SAS Modular Raid Controller	1 No.				FMC-MRAID12G
6	[Part Number] :- FMC-SD-32G-S [Product Details] :- Cisco FMC 32GB SD Card Module	1 No.				FMC-SD-32G-S
7	[Part Number] :- FMC1K-HDD-900G [Product Details] :- Cisco FMC 900GB 12GB 10K 2.5" SAS	2 No.				FMC1K-HDD-900G
8	[Part Number] :- FMC-CPU-E52620E [Product Details] :- Cisco 2.10 GHz E5-2620 v4/85W 8C/20MB Cache/DDR4 2133MHz	1 No.				FMC-CPU-E52620E
9	[Part Number] :- FMC4K-MEM-16GB [Product Details] :- Cisco 16GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	2 No.				FMC4K-MEM-16GB

#	Product Description	Qty.	Make	Model No	Serial No	Part No
10	[Part Number] :- R2XX-RAID1 [Product Details] :- Enable RAID 1 Setting	1 No.				R2XX-RAID1
11	[Part Number] :- FPR4110-BUN [Product Details] :- Cisco Firepower 4110 Master Bundle	1 No.				FPR4110-BUN
12	[Part Number] :- FPR4110-NGFW-K9 [Product Details] :- Cisco Firepower 4110 NGFW Appliance, 1U, 2 x NetMod Bays	1 No.				FPR4110-NGFW-K9
13	[Part Number] :- FPR4K-PWR-AC-1100 [Product Details] :- Firepower 4000 Series 1100W AC Power Supply	1 No.				FPR4K-PWR-AC-1100
14	[Part Number] :- CAB-250V-10A-ID [Product Details] :- AC Power Cord - 250V, 10A , India	2 No.				CAB-250V-10A-ID
15	[Part Number] :- SF-F4K-FXOS-2.3-K9 [Product Details] :- Cisco FXOS v2.3 for FPR4100	1 No.				SF-F4K-FXOS-2.3-K9
16	[Part Number] :- SF-F4K-TD6.2.3-K9 [Product Details] :- Cisco Firepower Threat Defense software v6.2.3 for FPR4100	1 No.				SF-F4K-TD6.2.3-K9
17	[Part Number] :- SFP-10G-SR-S [Product Details] :- 10GBASE-SR SFP Module, Enterprise-Class	4 No.				SFP-10G-SR-S
18	[Part Number] :- GLC-TE [Product Details] :- 1000BASE-T SFP transceiver module for Category 5 copper wire	4 No.				GLC-TE
19	[Part Number] :- FPR4K-SSD200 [Product Details] :- Firepower 4000 Series SSD for FPR-4110/4120	1 No.				FPR4K-SSD200

#	Product Description	Qty.	Make	Model No	Serial No	Part No
20	[Part Number] :- FPR4K-SSD-BBLKD [Product Details] :- Firepower 4000 Series SSD Slot Carrier	1 No.				FPR4K-SSD-BBLKD
21	[Part Number] :- GLC-TE [Product Details] :- 1000BASE-T SFP transceiver module for Category 5 copper wire	1 No.				GLC-TE
22	[Part Number] :- FPR4K-ACC-KIT [Product Details] :- FPR4K Hardware Accessory Kit	1 No.				FPR4K-ACC-KIT
23	[Part Number] :- FPR4K-FAN [Product Details] :- Firepower 4000 Series Fan	6 No.				FPR4K-FAN
24	[Part Number] :- FPR4K-PWR-AC-1100 [Product Details] :- Firepower 4000 Series 1100W AC Power Supply	1 No.				FPR4K-PWR-AC-1100
25	[Part Number] :- FPR4K-RACK-MNT [Product Details] :- Firepower 4000 Series Rack Mount Kit	1 No.				FPR4K-RACK-MNT
26	[Part Number] :- FPR4K-NM-BLANK [Product Details] :- Firepower 4000 Series Network Module Blank Slot Cover	1 No.				FPR4K-NM-BLANK
27	[Part Number] :- FPR4K-NM-BLANK [Product Details] :- Firepower 4000 Series Network Module Blank Slot Cover	1 No.				FPR4K-NM-BLANK
28	[Part Number] :- L-FPR4110T-TC= [Product Details] :- Cisco FPR4110 Threat Defense Threat and URL	1 No.				L-FPR4110T-TC
29	[Part Number] :- L-FPR4110T-TC-5Y [Product Details] :- Cisco FPR4110	1 No.				L-FPR4110T-TC-5Y

#	Product Description	Qty.	Make	Model No	Serial No	Part No
	Threat Defense Threat and URL					
D	Layer 3 Switch	1 Nos	Cisco	WS-C3850-24T	FCW2250FMoD	
1	[Part Number] :- WS-C3850-24T-S [Product Details] :- Cisco Catalyst 3850 48 Port Data IP Base	1 No.				WS-C3850-24T-S
2	[Part Number] :- C3850-NM-2-10G [Product Details] :- Cisco Catalyst 3850 2 x 10GE Network Module					C3850-NM-2-10G
3	[Part Number] :- PWR-C1-715WAC/2 [Product Details] :- 715W AC Config 1 Secondary Power Supply	1 No.				PWR-C1-715WAC/2
4	[Part Number] :- CAB-TA-IN [Product Details] :- India AC Type A Power Cable	2 No.				CAB-TA-IN
5	[Part Number] :- STACK-T1-50CM [Product Details] :- 50CM Type 1 Stacking Cable	1 No.				STACK-T1-50CM
6	[Part Number] :- CAB-SPWR-30CM [Product Details] :- Catalyst Stack Power Cable 30 CM	1 No.				CAB-SPWR-30CM
7	[Part Number] :- PWR-C1-350WAC [Product Details] :- 350W AC Config 1 Power Supply	1 No.				PWR-C1-350WAC
8	[Part Number] :- SFP-10G-SR-S= [Product Details] :- 10GBASE-SR SFP Module, Enterprise-Class	2 No.				SFP-10G-SR-S
E	Layer 3 Switch	1 Nos	Cisco	WS-C3850-24T	FCW2313FOYP	
1	[Part Number] :- WS-C3850-24T-S [Product Details] :- Cisco Catalyst 3850 48 Port Data IP Base	1 No.				WS-C3850-24T-S
2	[Part Number] :- C3850-NM-2-10G [Product Details] :- Cisco Catalyst 3850 2 x 10GE Network Module					C3850-NM-2-10G

#	Product Description	Qty.	Make	Model No	Serial No	Part No
3	[Part Number] :- PWR-C1-715WAC/2 [Product Details] :- 715W AC Config 1 Secondary Power Supply	1 No.				PWR-C1-715WAC/2
4	[Part Number] :- CAB-TA-IN [Product Details] :- India AC Type A Power Cable	2 No.				CAB-TA-IN
5	[Part Number] :- STACK-T1-50CM [Product Details] :- 50CM Type 1 Stacking Cable	1 No.				STACK-T1-50CM
6	[Part Number] :- CAB-SPWR-30CM [Product Details] :- Catalyst Stack Power Cable 30 CM	1 No.				CAB-SPWR-30CM
7	[Part Number] :- PWR-C1-350WAC [Product Details] :- 350W AC Config 1 Power Supply	1 No.				PWR-C1-350WAC
8	[Part Number] :- SFP-10G-SR-S= [Product Details] :- 10GBASE-SR SFP Module, Enterprise-Class	2 No.				SFP-10G-SR-S
F	Core Switch	1 Nos	Cisco	WS-C3850- 24XS-S	FOC2310U15K	
1	[Part Number] :- WS-C3850-24XS-S [Product Details] :- Cisco Catalyst 3850 24 Port 10G Fiber Switch IP Base	1 No.				WS-C3850-24XS-S
2	[Part Number] :- C3850-NM-2-40G [Product Details] :- Cisco Catalyst 3850 2 x 40GE Network Module	1 No.				C3850-NM-2-40G
3	[Part Number] :- PWR-C1-715WAC/2 [Product Details] :- 715W AC Config 1 Secondary Power Supply	1 No.				PWR-C1-715WAC/2
4	[Part Number] :- CAB-TA-IN [Product Details] :- India AC Type A Power Cable	1 No.				CAB-TA-IN
5	[Part Number] :- STACK-T1-50CM [Product Details] :- 50CM Type 1 Stacking Cable	1 No.				STACK-T1-50CM
6	[Part Number] :- CAB-SPWR-30CM [Product	1 No.				CAB-SPWR-30CM

#	Product Description	Qty.	Make	Model No	Serial No	Part No
	Details] :- Catalyst Stack Power Cable 30 CM					
7	[Part Number] :- PWR-C1-715WAC [Product Details] :- 715W AC Config 1 Power Supply	1 No.				PWR-C1-715WAC
8	[Part Number] :- S3850UK9-166 [Product Details] :- UNIVERSAL	1 No.				S3850UK9-166
9	[Part Number] :- SFP-10G-SR-S= [Product Details] :- 10GBASE-SR SFP Module, Enterprise-Class	14				SFP-10G-SR-S
10	[Part Number] :- QSFP-40G-SR4-S= [Product Details] :- 40GBASE-SR4 QSFP Trnscvr Module, MPO Conn, Enterprise- Class	2				QSFP-40G-SR4-S
G	Core Switch	1 Nos	Cisco	WS-C3850- 24XS-S	FCW2312DODo	
1	[Part Number] :- WS-C3850-24XS-S [Product Details] :- Cisco Catalyst 3850 24 Port 10G Fiber Switch IP Base	1 No.				WS-C3850-24XS-S
2	[Part Number] :- C3850-NM-2-40G [Product Details] :- Cisco Catalyst 3850 2 x 40GE Network Module	1 No.				C3850-NM-2-40G
3	[Part Number] :- PWR-C1-715WAC/2 [Product Details] :- 715W AC Config 1 Secondary Power Supply	1 No.				PWR-C1-715WAC/2
4	[Part Number] :- CAB-TA-IN [Product Details] :- India AC Type A Power Cable	1 No.				CAB-TA-IN
5	[Part Number] :- STACK-T1-50CM [Product Details] :- 50CM Type 1 Stacking Cable	1 No.				STACK-T1-50CM
6	[Part Number] :- CAB-SPWR-30CM [Product Details] :- Catalyst Stack Power Cable 30 CM	1 No.				CAB-SPWR-30CM
7	[Part Number] :- PWR-C1-715WAC [Product	1 No.				PWR-C1-715WAC

#	Product Description	Qty.	Make	Model No	Serial No	Part No
	Details] :- 715W AC Config 1 Power Supply					
8	[Part Number] :- S3850UK9-166 [Product Details] :- UNIVERSAL	1 No.				S3850UK9-166
9	[Part Number] :- SFP-10G-SR-S= [Product Details] :- 10GBASE-SR SFP Module, Enterprise-Class	14				SFP-10G-SR-S
10	[Part Number] :- QSFP-40G-SR4-S= [Product Details] :- 40GBASE-SR4 QSFP Trnscvr Module, MPO Conn, Enterprise- Class	2				QSFP-40G-SR4-S

ANNEXURE – IV

10. Annexure IV: List of Tentative Locations

10.1 List of proposed Traffic Signal Junctions for New Adaptive Traffic Control System

#	Junction name	Arm	Tentative Lat. Long.
1	Sona Hotel Circle	4	21.210877, 72.794045
2	Goldan Circle	4	21.212472, 72.889484
3	Umiya Circle	4	21.213040, 72.844033
4	Bhavani Gems Circle	4	21.217991, 72.847678
5	Shree Swaminarayan Mandir Rustombagh	3	21.219403, 72.851897
6	Dkm Circle	3	21.227382, 72.843207
7	Palanpurpatiya (Ganesh Mandir)	3	21.211771, 72.792893
8	Baba Ramdev Chowk	4	21.189003, 72.825434
9	Jhangirpura Bridge, Dabholi	4	21.233414, 72.803395
10	Dabholi Gam	4	21.232821, 72.812753
11	Katargam North Zone Office/ Laxmi Enclave Circle	5	21.232627, 72.836887
12	Ramnagar	4	21.215614, 72.791546
13	Sahara Darwaja	3	21.194772, 72.843471
14	Katargam Zone Office / Gotlawadi	4	21.211722, 72.830815
15	Mora Bhagal	5	21.224181, 72.789566
16	Katargam Darwaja	3	21.211349, 72.827322
17	Kasanagar	3	21.223075, 72.837717
18	Amroli Char Rasta	4	21.238285, 72.848246
19	Mansarowar	3	21.239149, 72.849998
20	Nitaben Sabhya Circle (Subhash Garden Circle)	4	21.222288, 72.789609
21	Kubernagarkatargam	3	21.210436, 72.826463
22	Ved Darwaja	4	21.209191, 72.824426
23	Valinath Chowk	3	21.224023, 72.821465
24	Jhangirpura (Iskon Temple Circle)	3	21.237794, 72.789061
25	Udhana Gam	3	21.168652, 72.840213
26	Makkai Pul Junction	4	21.195659, 72.809763
27	Gujarat Gas Circle	4	21.194116, 72.801953
28	Bhulkabhavan School	3	21.192611, 72.799940
29	Karni Mata Chowk / New Bombay Market	3	21.194186, 72.848422
30	Adajan Gam	4	21.189981, 72.796331
31	Star Bazaar Junction	4	21.185738, 72.793266
32	Pal Jakatnaka	3	21.184299, 72.790599
33	Swami Vivekanand Circle	5	
34	Pal New Rto	4	21.182184, 72.780200
35	Shree Ram Mobile Cross Road	4	21.216180, 72.866300
36	Centre Point	3	21.197901, 72.795666
37	Varun Kidney Hospital Circle	3	21.199681, 72.794809
38	Vishwakarma Junction	4	21.194517, 72.869307
39	Devji Nagar T Point	3	21.218132, 72.850770
40	Magdalla Government Quarters T Point	3	21.142147, 72.755621
41	Minaxi Circle	4	21.216370, 72.846264
42	Precidency Circle	4	21.201687, 72.794541
43	Nilgiri Circle	4	21.167924, 72.859100

ADDENDUM & CORRIGENDUM -1 SELECTION OF IMPLEMENTATION AGENCY FOR INTEGRATED TRAFFIC CONTROL SYSTEM IN SURAT CITY

#	Junction name	Arm	Tentative Lat. Long.
44	Punapatiya/ Kangaroo Circle	4	21.194629, 72.869450
45	Ajramar Char Rasta	4	21.199772, 72.797596
46	Dhabkar Circle	4	21.198056, 72.810858
47	Ongc Circle	4	21.194108, 72.801966
48	Katargam Bridge / Gotalawadi	3	21.211707, 72.830780
49	Mangadh Chowk	4	21.211291, 72.851136
50	Sumul Dairy Road Under Alkapuri Bridge	4	21.219565, 72.840883
51	Mamata Park Circle	4	21.219169, 72.875769
52	Ankur Char Rasta	4	21.216336, 72.850868
53	Shreeji Arcade Circle	4	21.194503, 72.798391
54	Palanpurapatiya Circle (Mashhal Circle)	4	21.211344, 72.790216
55	Jyotindra Dave Garden Tin Rasta	3	21.200939, 72.789714
56	Union Bank ,Adajan Gam	3	21.200322, 72.789887
57	Jeevan Yatra Circle	3	21.195921, 72.793334
58	D Mart Teen Rasta	3	21.195253, 72.793511
59	Madhuvan Circle	4	21.191125, 72.788294
60	Riverdelacadamy (Tgb Circle	4	21.193942, 72.786665
61	Hori Om Circle	4	21.198181, 72.783862
62	Lp Savani Circle	4	21.200994, 72.781761
63	Sheetal Char Rasta	4	21.198100, 72.810890
64	Radheshyam TWP	4	21.200960, 72.779978
65	V4u Traffic Circle	4	21.200928, 72.778299
66	Pal Canal Jalaram Temple	4	21.213991, 72.777304
67	Classic T-Point	3	21.182606, 72.804650
68	Police Head Quarters	3	21.181120, 72.802042
69	Lourdes Convent T-Point	4	21.179712, 72.800410
70	Parle Point	3	21.174177, 72.793962
71	Adajan Patiya	4	21.198748, 72.806903
72	Sargam Shopping Center	3	21.171805, 72.790943
73	Svnit Junction	4	21.167678, 72.784930
74	Kargil Chowk Junction	4	21.164557, 72.779614
75	Rahul Raj Mall	3	21.156693, 72.766748
76	Shree Sai Mandir Junction	4	21.154455, 72.764078
77	Magdalla Gam Junction	3	21.141621, 72.755000
78	Magdalla Bandar T-Point	3	21.131933, 72.743828
79	Dumas Resort Y Junction	3	21.145956, 72.760584
80	Near Main Airport Junction	3	21.125269, 72.739309
81	Suryapur Society Junction	4	21.199852, 72.803935
82	Anvrat Near Petrol Pump	4	21.160503, 72.796954
83	Breadliner Circle	5	21.146160, 72.805379
84	Bhatar Char Rasta	4	21.162823, 72.812100
85	Olive Circle	4	21.164813, 72.817333
86	Navjivan Circle	4	21.167648, 72.820782
87	Sosyo Circle	4	21.172306, 72.826838
88	Anuvratdwar U M Road	4	21.160179, 72.797064
89	Tuli Hospital T-Point	3	21.175872, 72.811743
90	V M Sakariya Circle	3	21.202417, 72.801542
91	St.Xaviers School	3	21.175504, 72.809398
92	Pizza Hut	3	21.174764, 72.801615
93	City Bank Char Rasta	3	21.174310, 72.796846
94	Science Center	3	21.170495, 72.794833

#	Junction name	Arm	Tentative Lat. Long.
95	Ashok Pan	4	21.166656, 72.795601
96	Om Terrace	3	21.153485, 72.797500
97	Nr. Barthan Primary School Char Rasta	4	21.147358, 72.798373
98	Tulsi Dham/ Das Circle	4	21.151462, 72.840480
99	Missile Circle (Rocket Circle)	4	21.204295, 72.799817
100	Piyush Point	4	21.150811, 72.833240
101	Patrakar Colony	4	21.149996, 72.827318
102	Kailashnagar Junction	3	21.149378, 72.821299
103	Althan Canal Junction	4	21.146169, 72.805473
104	Shri Niketan Soc./ Shyambaba Temple	4	21.144438, 72.798952
105	Vip Canal Road Junction	4	21.141695, 72.783622
106	Ratnashyam Junction/ Ranjit Circle Vip Road	4	21.140002, 72.773483
107	J B Diamond Circle	3	21.205456, 72.846088
108	Zatkawadi, Lh Road	3	21.206369, 72.849421
109	Tadwadi Junction	3	21.206688, 72.797536
110	Matawadi Circle	4	21.208708, 72.853304
111	Nr. Matawadi Circle Teen Rasta	3	21.209404, 72.854733
112	Ghanshyam Nagar Lh Road	3	21.209684, 72.855323
113	Labheshwar Bhavan	4	21.209906, 72.856420
114	Santosh Nagar /Maruti Chowk	3	21.211558, 72.864784
115	Chanchal Nagar	3	21.214150, 72.869613
116	Bhaghwati Nagar Circle	3	21.217772, 72.876273
117	Tapovan School Circle	4	21.223229, 72.886009
118	Mahavir Chowk	4	21.218643, 72.887242

10.2 List of proposed locations for Traffic Surveillance Cameras System

#	Location Name	Tentative Lat. Long.
1	Palanpur Patiya	21.211344, 72.790216
2	Mangadh Chowk	21.211291, 72.851136
3	Tadwadi Junction	21.206688, 72.797536
4	Star Bazar Junction	21.185738, 72.793266
5	Dumas Langar Char Rasta	21.084332, 72.719012
6	Anurat Dwar, U.M. Road	21.160179, 72.797064
7	Patrakar Colony Junction	21.149996, 72.827318
8	Sumul Dairy Road, Under Alkapuri Bridge	21.219565, 72.840883
9	Sargam Shopping Center	21.171805, 72.790943
10	Gujarat Gas Circle	21.194116, 72.801953
11	Pran Nath Hospital	21.215350, 72.822745
12	Singapuriwadi	21.186002, 72.833248
13	Dindoli Char Rasta Near Police Station	21.154160, 72.869346
14	Kamal Gali	21.196245, 72.820411
15	Madina Masjid Chowk	21.170617, 72.856881
16	Soham Cicle	21.150769, 72.806920
17	Kaddar Sanni Naad	21.187062, 72.818892
18	Kiran Chowk (Sarhana)	21.212928, 72.881417
19	Classic T Point	21.182606, 72.804650
20	Chauta Bazar	21.198566, 72.824748
21	Udhna Railway Station	21.169383, 72.850951
22	Sudama Chowk, Amroli	21.237402, 72.877475
23	Lajamani Chowk, Amroli	21.238771, 72.888908

#	Location Name	Tentative Lat. Long.
24	Chaparbhata (Amroli)	21.248428, 72.843241

10.3 List of Proposed locations for RLVD System

#	Location	Arms	Tentative Lat. Long.
1	Majuragate Junction	4	21.180517, 72.818604
2	Athwagate	5	21.185765, 72.810818
3	Prime Arcade	3	21.203336, 72.793882
4	Honey Park	4	21.202791, 72.789390
5	Palanpur Jakatnaka	4	21.214129, 72.782512
6	Sahara Darwaja	3	21.194772, 72.843471
7	Bhagal Char Rasta	4	21.198084, 72.829735
8	Union Park	4	21.200322, 72.789887
9	Suryapur Society Junction	4	21.199852, 72.803935
10	Ramnagar	4	21.215614, 72.791546
11	Gajera Circle	4	21.226748, 72.838086
12	Hirabaug Junction	5	21.215877, 72.863175

10.4 List of Proposed locations for Speed Violation Detection System

#	Location Name	Lane	Tentative Lat. Long.
1	Udhana Magdalla road - Jolly Party Plot	3	21.146151, 72.761716
2	VIP Road - E-Space Building	3	21.142513, 72.788295
3	S K Nagar - Dumas Langar (ONGC Char rasta)	2	21.114991, 72.734757
4	Amba Talwadi - Ved road (Neru Farm Road)	2	21.233287, 72.834668
5	South Zone Office - Unn Patiya	3	21.138205, 72.850894
6	Parvart Patiya - Simada Check post	3	21.203595, 72.886592
7	Simada Naka - D Mart Mall (From Sarthana Jakatnaka to overbridge)	3	21.230156, 72.900857
8	Vaishali Teen Rasta - Simada (overbridge)	3	21.219240, 72.871377
9	Pal RTO - Ichapur Haveli	3	21.183389, 72.787055
10	Mora Bhagal - Jahangirpura char rasta	3	21.226771, 72.789990
11	Dandi Road	3	21.232332, 72.775065
12	Khajod char rasta - Althan junction	2	21.134107, 72.797490
13	New Gaurav path (Adajan)	2	21.210527, 72.766680
14	ONGC bridge	3	21.148652, 72.744311
15	SVNIT Circle - Kargil Chowk	3	21.161240, 72.774202

10.5 List of proposed locations for ANPR System

#	Location Name	Arm	Lane per arm	Tentative Lat. Long.
1	Surat Railway Station/Falsawadi	2	6	21.199066, 72.842446
2	Dhanmora Complex/ Dhabkar circle	2	6	21.198056, 72.810858
3	Sardar Bridge	2	4	21.193199, 72.802982
4	Makkai Bridge	2	4	21.195271, 72.810701
5	Mora Bhagal cross road	2	6	21.222534, 72.789629
6	Mohan Mithai Junction Nr. Railway station	2	4	21.204894, 72.839030
7	Variyav Check Post	2	4	21.254181, 72.796460
8	Abhva Chokadi	2	4	21.124637, 72.772169

#	Location Name	Arm	Lane per arm	Tentative Lat. Long.
9	Pal road ONGC junction	2	6	21.191077, 72.722436
10	Textile Bridge	2	6	21.189658, 72.841351
11	Batliboy to dindoli Bridge (Pramukh Park)	2	6	21.146795, 72.850167
12	Kapodra Utran Bridge	2	4	21.228286, 72.866253
13	Amroli Bridge	2	4	21.236953, 72.846896
14	Jilani Bridge	2	4	21.199525, 72.807723

Bandwidth Connectivity Location list

10.6 List of ATCS junctions for Connectivity to ICCC/ITMAC

#	Junction name	Arm	Tentative Lat/Long
1	Sona Hotel Circle	4	21.210877, 72.794045
2	Goldan Circle	4	21.212472, 72.889484
3	Umiya Circle	4	21.213040, 72.844033
4	Bhavani Gems Circle	4	21.217991, 72.847678
5	Shree Swaminarayan Mandir Rustombagh	3	21.219403, 72.851897
6	Dkm Circle	3	21.227382, 72.843207
7	Baba Ramdev Chowk	4	21.189003, 72.825434
8	Katargam Zone Office / Gotalawadi	4	21.211722, 72.830815
9	Katargam Darwaja	3	21.211349, 72.827322
10	Kasanagar	3	21.223075, 72.837717
11	Kubernagarkatargam	3	21.210436, 72.826463
12	Ved Darwaja	4	21.209191, 72.824426
13	Valinath Chowk	3	21.224023, 72.821465
14	Jhangirpura (Iskon Temple Circle)	3	21.237794, 72.789061
15	Makkai Pul Junction	4	21.195659, 72.809763
16	Swami Vivekanand Circle	5	21.192007, 72.816693
17	Shree Ram Mobile Cross Road	4	21.21618, 72.86663
18	Centre Point	3	21.197901, 72.795666
19	Varun Kidney Hospital Circle	3	21.199681, 72.794809
20	Devji Nagar T Point	3	21.218132, 72.850770
21	Minaxi Circle	4	21.216370, 72.846264
22	Precidency Circle	4	21.201687, 72.794541
23	Nilgiri Circle	4	21.167924, 72.85910
24	Ajramar Char Rasta	4	21.199772, 72.797596
25	Dhabkar Circle	4	21.198056, 72.810858
26	Katargam Bridge / Gotalawadi	3	21.211707, 72.830780
27	Mangadh Chowk	4	21.211291, 72.851136
28	Sumul Dairy Road Under Alkapuri Bridge	4	21.219565, 72.840883
29	Mamata Park Circle	4	21.219169, 72.875769
30	Ankur Char Rasta	4	21.216336, 72.850868
31	Shreeji Arcade Circle	4	21.194503, 72.798391
32	Palanpurpatiya Circle (Mashhal Circle)	4	21.211344, 72.790216
33	Jyotindra Dave Garden Tin Rasta	3	21.200939, 72.789714
34	Union Bank ,Adajan Gam	3	21.200322, 72.789887
35	Jeevan Yatra Circle	3	21.195921, 72.793334

ADDENDUM & CORRIGENDUM -1 SELECTION OF IMPLEMENTATION AGENCY FOR INTEGRATED TRAFFIC CONTROL SYSTEM IN SURAT CITY

#	Junction name	Arm	Tentative Lat/Long
36	D Mart Teen Rasta	3	21.195253, 72.793511
37	Madhuvan Circle	4	21.191125, 72.788294
38	Riverdelacadamy (Tgb Circle	4	21.193942, 72.786665
39	Hori Om Circle	4	21.198181, 72.783862
40	Lp Savani Circle	4	21.200994, 72.781761
41	Sheetal Char Rasta	4	21.1981, 72.81089
42	Radheshyam TWP	4	21.200960, 72.779978
43	V4u Traffic Circle	4	21.200928, 72.778299
44	Pal Canal Jalaram Temple	4	21.213991, 72.777304
45	Classic T-Point	3	21.182606, 72.804650
46	Police Head Quarters	3	21.181120, 72.802042
47	Lourdes Convent T-Point	4	21.179712, 72.800410
48	Parle Point	3	21.174177, 72.793962
49	Magdalla Bandar T-Point	3	21.131933, 72.743828
50	Near Main Airport Junction	3	21.125269, 72.739309
51	Bhatar Char Rasta	4	21.162823, 72.812100
52	Olive Circle	4	21.164813, 72.817333
53	Navjivan Circle	4	21.167648, 72.820782
54	Sosyo Circle	4	21.172306, 72.826838
55	Tuli Hospital T-Point	3	21.175872, 72.811743
56	St.Xaviers School	3	21.175504, 72.809398
57	Pizza Hut	3	21.174764, 72.801615
58	City Bank Char Rasta	3	21.174310, 72.796846
59	Ashok Pan	4	21.166656, 72.795601
60	Vip Canal Road Junction	4	21.141695, 72.783622
61	Ratnashyam Junction/ Ranjit Circle Vip Road	4	21.140002, 72.773483
62	J B Diamond Circle	3	21.205456, 72.846088
63	Zatkawadi, Lh Road	3	21.206369, 72.849421
64	Matawadi Circle	4	21.208708, 72.853304
65	Nr. Matawadi Circle Teen Rasta	3	21.209404, 72.854733
66	Ghanshyam Nagar Lh Road	3	21.209684, 72.855323
67	Labheshwar Bhavan	4	21.209906, 72.856420
68	Santosh Nagar /Maruti Chowk	3	21.211558, 72.864784
69	Chanchal Nagar	3	21.214150, 72.869613
70	Bhaghwati Nagar Circle	3	21.217772, 72.876273
71	Tapovan School Circle	4	21.223229, 72.886009
72	Mahavir Chowk	4	21.218643, 72.887242
73	Old RTO	3	21.182817, 72.814455
74	Majuragate	4	21.180517, 72.818604
75	Kadiwala	4	21.180818, 72.824270
76	Delhi Gate	5	21.202758, 72.838829
77	Amisha Hotel	3	21.204570, 72.837334
78	Singanpore Char Rasta	4	21.224804, 72.821402
79	Raghukul Market	3	21.186026, 72.846922
80	Bhagal Char Rasta	4	21.198084, 72.829735
81	Suryapur Gate	2	21.206961, 72.841041
82	Chokshi Wadi	3	21.197784, 72.803036
83	Nagina Wadi	4	21.219463, 72.837899

#	Junction name	Arm	Tentative Lat/Long
84	Timaliyawad	3	21.187329, 72.814407
85	Prime Arcade 1	3	21.202562,72.794116
86	Prime Arcade 2	3	21.203336,72.793882
87	Honey Park	3	21.202791, 72.789390
88	Palanpurjakatnaka (Hidayat Nagar)	4	21.214129, 72.782512
89	Circuit House	2	21.183694, 72.806096
90	Lb1	3	21.176482, 72.818979
91	Lb2	3	21.176367, 72.818212
92	Ramchowk	3	21.175711, 72.810940
93	Union Park Char Rasta	4	21.175017, 72.805292
94	Moti Tokish	4	21.198764, 72.836127
95	Yogi Chowk	4	21.214777, 72.888720
96	Sabjail Teen Rasta	4	21.181275, 72.826813
97	Falsawadi Junction	4	21.199066, 72.842446
98	Lal Darwaja	4	21.206204, 72.835985
99	Godhani Circle	5	21.219128, 72.832443
100	Mehata Petrol Pump	6	21.221078, 72.835852
101	Ved Road Police Station	3	21.218523, 72.822162
102	Akhand Anand Collage	3	21.221105, 72.821667
103	Ambatalawadi Junation	5	21.235462, 72.826535
104	Vijay Vallabh Chowk	5	21.184678, 72.819701
105	Kevat Circle (Hijadawad)	4	21.190170, 72.817732
106	Surat Railway Station	2	21.205178, 72.839939
107	Daruwala Petrol Pump, Station Road	3	21.197772,72.832414
108	Archana School	4	21.200439,72.859432
109	Ashapuri Teen Rasta	3	21.18496,72.82916
110	Ruwala Tekra	4	21.19871,72.8309

10.6 List of locations of Traffic Surveillance Cameras for Connectivity to ICC/ITMAC

#	Location Name	Tentative Lat/Long
1	Sumul Dairy Road, Under Alkapuri Bridge	21.219565, 72.840883
2	Pran Nath Hospital	21.215350, 72.822745
3	Singapuriwadi	21.186002, 72.833248
4	Dumas Langar Char Rasta	21.084332, 72.719012
5	Kamal Gali	21.196245, 72.820411
6	Madina Masjid Chowk	21.170617, 72.856881
7	Soham Cicle	21.150769, 72.806920
8	Kaddar Sanni Naad	21.187062, 72.818892
9	Classic T Point	21.182606, 72.804650
10	Chauta Bazar	21.198566, 72.824748
11	Udhna Railway Station	21.169383, 72.850951
12	Sudama Chowk, Amroli	21.237402, 72.877475
13	Lajamani Chowk, Amroli	21.238771, 72.888908
14	Chaparbhata (Amroli)	21.248428, 72.843241
15	Ramchowk, Ghoddod Road	21.175711, 72.81094

#	Location Name	Tentative Lat/Long
16	Palanpur Jakatnaka	21.209718, 72.782447
17	Prime Market, Adajan	21.202562, 72.794116
18	Pragatiwadi / Honey Park, Adajan	21.202743, 72.789392
19	Sabjail Tin Rasta Point / Chamunda Restaurant	21.181551, 72.826704
20	Falsawadi Circle / Golden Point Circle	21.199092, 72.84233
21	Zampa Bazar Saliya Market	21.196175, 72.833287
22	Lal Darwaja	21.206261, 72.835706

10.7 List of ANPR locations for Connectivity to ICCC/ITMAC

#	Location Name	Arm	Lane	Tentative Lat/Long
1	Causeway	1	4	21.220565, 72.807151
2	Sachin GIDC Char Rasta	4	4	21.10118, 72.866703
3	Limbayat Mitthi Khadi	2	4	21.182346, 72.854596
4	Mohan Mithai Junction Nr. Railway station	2	4	21.204894, 72.839030
5	Variyav Check Post	2	4	21.254181, 72.796460
6	Abhva Chokadi	2	4	21.124637, 72.772169
7	Surat Railway Station/Falsawadi	2	6	21.199066, 72.842446
8	Pal road ONGC junction	2	6	21.191077, 72.722436

10.8 List of RLVD at Traffic junctions for Connectivity to ICCC/ITMAC

#	Location	Arms	Lane per Arm	Tentative Lat/Long
1	Prime Arcade	3	2	21.203336, 72.793882
2	Majuragate Junction	4	2	21.180517, 72.818604
3	Honey Park	4	2	21.202791, 72.789390
4	Palanpur Jakatnaka	4	2	21.214129, 72.782512
5	Bhagal Char Rasta	4	2	21.198084, 72.829735
6	Union Park	4	2	21.200322, 72.789887

10.9 List of SVDS locations for Connectivity to ICCC/ITMAC

#	Location Name	Lane	Tentative Lat/Long
1	S K Nagar - Dumas Langar (ONGC Char rasta)	2	21.114991, 72.734757
2	Amba Talwadi - Ved road (Neru Farm Road)	2	21.233287, 72.834668
3	Khajod char rasta - Althan junction	2	21.134107, 72.797490
4	New Gaurav path (Adajan)	2	21.210527, 72.766680
5	VIP Road - E-Space Building	3	21.142513, 72.788295
6	Pal RTO - Ichapur Haveli	3	21.183389, 72.787055
7	Dandi Road	3	21.232332, 72.775065
8	ONGC bridge	3	21.148652, 72.744311