



## Smart City Ahmedabad Development Limited

CEO, Smart City Ahmedabad Development Ltd (SCADL), Ahmedabad  
Municipal Corporation, Sardar Patel Bhavan, Danapith, Ahmedabad,  
Gujarat 380001



# Corrigendum 5

**Tender No:** 1 Smart City Ahmedabad Development Ltd (SCADL) 241853

241853- Notice Inviting RFP for Selection of Implementation Agency for Supply, Installation, Commissioning and operation & maintenance of Pan city ICT Infrastructure and Integrated Command and Control Center for Smart City Ahmedabad (Gujarat) – Smart city Ahmedabad Development Ltd(SCADL)

Post due considerations to the queries received after corrigendum 4 this corrigendum has been consequently released.

#	Information	Details
1	Online Price Bid Submission Date	05/04/2017 up to 17:00 Hrs.
2	Technical Bid Submission (in Hard Copy) Filled-in Technical Bid along with Bid Fee, EMD and other documents	In Sealed envelope strictly by RPAD/ Postal Speed Post/ Courier on or before 06/04/2017 17:00 Hrs. to CEO Smart City Ahmedabad Development Ltd (SCADL), Ahmedabad Municipal Corporation, Sardar Patel Bhavan, Danapith, Ahmedabad, Gujarat 380001 with necessary documents (Tender Fee, EMD, etc.) as mentioned in the RFP
3	Date & Time of opening of Technical & Commercial bid	To be intimated to the qualified bidders
4	Contact person and email id	smartcity@ahmedabadcity.gov.in

Consultant:



## Responses to the queries

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
1	<p>Point Number 9 Eligibility Criteria,</p> <p>Point no. 9; Page 15 of Tender document and Point No 6 Page 3 of Corrigendum 4</p>	<p>OEMs of proposed equipment/components should have existence in India for last five years as on 31st Mar 2016.</p>	<p>We here by requested to remove the term "Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered."</p> <p>The said clause is restrictive as it does not allow global leaders who are just coming in India to participate .</p> <p>To ensure quality of the tie up a check of any of the following criterion be put in</p> <p>a) The partner being considered should have been in operation in India for more than 5 years</p> <p>b) Should have CMMI Level 3 /ISO or equivalent certification</p> <p>c) Should be a registered partner for 2 years or more</p>	<p>Please refer Corrigendum 4</p>

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
2	Point Number 9 Eligibility Criteria, Point no. 9; Page 15 of Tender document and Point No 6 Page 3 of Corrigendum 4	OEMs of proposed equipment/components should have existence in India for last five years as on 31st Mar 2016.	<p>We here by requested to remove the term "Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered."</p> <p>The said clause is restrictive as it does not allow global leaders who are just coming in India to participate .</p> <p>To ensure quality of the tie up a check of any of the following criterion be put in</p> <ul style="list-style-type: none"> <li>a) The partner being considered should have been in operation in India for more than 5 years</li> <li>b) Should have CMMI Level 3 /ISO or equivalent certification</li> <li>c) Should be a registered partner for 2 years or more</li> </ul>	Please refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
3	Point Number 44 Camera Type A (Box Cameras) S/N 1 Page 31 of 68 Image sensor and Effective Pixels (Resolution) Corrigendum Document no 2	1/ 2.7" or better, CMOS Progressive Scan & Minimum 2 MP or better	<p>We request 1/3.2" or better be permitted .</p> <p>A ½.8" sensor has approximate dimension of 4.788mm X 3.528mm. A 1/3.2" sensor has approximate dimension of 4.536mm X 3.146mm. The diagonal difference in comparing 1/3.2" sensor to ½.8" sensor is of 0.267mm. Hence, it is evident that there is not much size difference in both the imager and sensor size. Also, the 1/3.2" sensor is smaller in size . This is because this is a true 100dB capable special sensor and it produces lesser heat. This is in accordance to the Field Programmable Gate array logic design based on which camera circuitry works. manufacturers who them using their multiple electronic ways extends the dynamic range of the sensor.</p>	Please refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
4	Point Number 44 Camera Type A (Box Cameras) S/N 7 Page 32 of 68 Image sensor and Effective Pixels (Resolution)Multi Focal Serial no 3 of Corrigendum Document no 4	6 to 50 mm or better	We request for consideration of 9-36mm Motorized; Remote Zoom/Remote focus capable Varifocal telephoto Lens ; this is required from a site perspective, motorized lens give the ability to use camera mechanism to get appropriate zoom for a field of view with the corresponding focus. The telephoto feature helps in appropriate focus to get clear picture especially useful for number plate and out door city monitoring	Please refer Corrigendum 4
5	Point Number 45 Camera Type B (Box Cameras) S/N 1 Page 33 of 68 Image sensor and Effective Pixels (Resolution) Corrigendum Document NO 2	1/ 3" or better, CMOS Progressive Scan & Minimum 2 MP or better	We request 1/3.2" or better be permitted . A ½.8" sensor has approximate dimension of 4.788mm X 3.528mm. A 1/3.2" sensor has approximate dimension of 4.536mm X 3.146mm. The diagonal difference in comparing 1/3.2" sensor to ½.8" sensor is of 0.267mm. Hence, it is evident that there is not much size difference in both the imager and sensor size. Also, the 1/3.2" sensor is smaller in size . This is because this is a true 100dB capable special sensor and it produces lesser heat. This is in accordance to the Field Programmable Gate array	Please refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			logic design based on which camera circuitry works. manufacturers who then using their multiple electronic ways extends the dynamic range of the sensor.	
6	Point Number 45 Camera Type A (Box Cameras) S/N 7 Page 33 of 68 Image sensor and Effective Pixels (Resolution) Multi Focal; Corrigendum Document NO 2; Serial no 5 of Corrigendum Document no 4	6 to 50 mm or better	We request for consideration of 9-36mm Motorized; Remote Zoom/Remote focus capable Varifocal telephoto Lens ; this is required from a site perspective, motorized lens give the ability to use camera mechanism to get appropriate zoom for a field of view with the corresponding focus. The telephoto feature helps in appropriate focus to get clear picture especially useful for number plate and out door city monitoring	Please refer Corrigendum 4
7	47) Camera Type D : Panoramic 180 Degree Page 35 of 68 Point #1	Image sensor and Effective Pixels (Resolution) "1/ 3 or better, CMOS Progressive Scan & Minimum 4 MP or better with single lens or integrated combination of lens"	We recommend from a practical perspective the following 1/3.2" Sensors with a minimum of 4* 3MP CMOS Progressive Scan or better"	No Change, as per Corrigendum 2
8	47) Camera Type D : Panoramic 180 Degree Page 35 of 68 Point #2	Focus	We recommend that the parameter should read as Auto Focus/ Remote Focus	Please refer Corrigendum 4
9	47) Camera Type D : Panoramic 180 Degree Page 35 of 68 Point #9	Wide Dynamic Range 70 dB or better	We recommend that the parameter should read as 100 dB or better	No Change, as per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
10	47) Camera Type D : Panoramic 180 Degree Page 36 of 68 Point #21	Local Storage (memory card to be included for min 24 Hour capacity) In the event of failure of connectivity to the central server the camera shall record video internally or on the SD card automatically	We recommend that the parameter should be removed as it's a challenge to functionally implement the requirement	Please refer Corrigendum 4
11	47) Camera Type D : Panoramic 180 Degree Page 36 of 68 Point #21; Serial 19 of Corrigendum 4	Specification revised as" Lens: Between 1 to 2 mm fixed, for 180 ° angle of view	We request that the lens size be retained at 5-6mm to get the depth of field of view for the 180 degree and we have multiple camera manufacturers wo offer the same ; with a Lens size of 1-2 mm it will be a challenge in demonstrating and implementing the functional requirement	No Change, as per Corrigendum 4
12	General	Financial bid document refers to <u>DC</u> & CCC along with Traffic Control (TCC) and <u>Police Data Center (DC)</u> .	Confirm whether there will be 2 Data Centers, one at CCC and other at TCC.	The bidders scope includes , 2 Data Center , one at CCC and other at TCC
13	General	Technical Bid Document refers to Data Center & Data Recovery (DR).	Out of all above (2 DC & 1 DR) confirm which Data Center is to be built by SI? which is to be hosted? and which is to be on cloud?	Creation of DR is not in the scope of this RFP
14	General	For Data Center build.	Share the proposed layout plan and space/area in sq.ft allocated for Command Control Center (CCC), Traffic Control Center (TCC) & Data Center at both locations.	Please refer to Corrigendum 5, Annexure 1 for detailed layout of CCC, DC , TCC and DC
15	General	Precision air-conditioning (PAC) requirement	Financial bid document refers to UPS for CCC & DC. RFP does not specify the scope for Precision Air-Conditioning system (PAC) for Data Center cooling.	Air-conditioning for the CCC, TCC and Data Centre is not in the scope of the Bidder, the same has been taken up through a separate tender by SCADL

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
16	General	Comfort Air-Conditioning (CAC) requirement	Whether bidder will have to factor the comfort air-conditioning system in CCC & TCC or it will be in civil contractor scope.	Air-conditioning for the CCC, TCC and Data Centre is not in the scope of the Bidder, the same has been taken up through a separate tender by SCADL
17	General	civil works	Who will be responsible for civil works like painting, partition, modification of doors & windows, false ceiling, false flooring in CCC, TCC & Data Center.	Civil Work for CCC, TCC and Data center is not in the scope of the Bidder, the same has been taken up through a separate tender by SCADL
18	General	Power supply distribution	Scope for main LT Panels and for electrical power supply distribution boards/DBs, light fixture, point wiring at CCC & TCC.	Electrical Work where ever required for the successful implementation of the project , will have to be done by the bidder for CCC, TCC, Data centers. However the LT Panels, distribution boards, Light Fixtures, Point wiring etc. has been taken up through a separate tender.
19	General	Monthly Electricity Bills	Monthly Electrical bills for CCC & TCC will be paid by SI or ACB for 5 year support period.	Refer Corrigendum 2, 3.3.2. Requirement Phase point j
20	General	Environmental Sensors	Provide the location list of proposed Environmental Sensors	List will be shared with the successful bidder
21	General	UPS	Financial bid document refers to UPS for CCC & DC in SI scope. Whether there will be a common or dedicated UPS to be designed for CCC & DC or TCC & DC.	Common UPS for both location (CCC & DC) as well as (TCC & DC)
22	General	Power supply & Liasoning at CCC/DC & TCC/DC	Confirm whether ACB will provide power supply tapping point & Energy meter at CCC & TCC.	Refer Corrigendum 2, 3.3.2. Requirement Phase point j



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
23	General	Civil Works in CCC & TCC	Confirm the scope of civil works in CCC & TCC like brick work, partition, doors, painting, false ceiling and flooring, conventional flooring, etc.	Please Refer Sr. No. 17
24	General	Power cabling	Financial bid document refer to smart street light fixture only. It is not clear whether electrical power loop cable laying and feeder pillar for smart street lighting is part of SI scope. Share each type of stretch/road (with stretch/road distance in KM) to be illuminated and whether light fixture should be single arm or double arm.	Please refer to the revised price bid for the Smart Street lighting for details
25	General	Diesel generator.	Is diesel generator under SI Scope. Whether Main LT panel should have a provision of dual power supply (Mains + DG)	Diesel Generator is not in the scope of this RFP has been taken up through a separate tender.
26	General	Junction / Field UPS	Financial bid document does not include junction/field UPS for Wi-Fi and LED Display boards, UPS is only considered for CCTV application. Please clarify, whether bidder will have to factor the same.	UPS for Junction/ Field: UPS Stands Deleted and is being replaced with voltage stabilizer and surge protection device
27	General	Specific Makes or models for BOM	Is there any specific Approved/Preferred Makes List for Components listed in Bill of Materials (BOM) and Technical Specifications. Please provide the same.	Make and model has to be proposed by the bidder in compliance of the project requirement and Technical Specifications

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
28	Financial Bid, Schedule I	Location for CCC and DC's	Where does Command Control Center and Data Center cum Surveillance Area are placed? What is the distance between these 2 Areas?	For AMC there is a CCC and DC which will be in the same premise at Paldi, while for Police, there is a TCC and DC which will be in the same premise at CP Office
29	Financial Bid, Schedule I	Location details	Where does the Rooms (Operator main area, Wireless Channel Operator Room, War room, Computer control room/IT Cell, Dining area, Police Inspector room, DCP Control Room) mentioned in SCHEDULE – I (For Request Order 2) Table belongs to? Please clarify.	These rooms are for the Traffic Control Room (TCC) i.e. the Police Department, Ahmedabad. For further Clarity please refer the Price Bid Document
30	Financial Bid, Schedule I	Layout for BMS Equipments	Layout is required to arrived the actual detailed Quantities from highlevel BOM given for Fire Alarm System, Access Control System, Public Address System(PAS), Water Leakage Detection(if required), Rodent repellent(if required), etc. Please provide the same.	Please refer to Corrigendum 5, Annexure 1 for detailed layout of CCC, DC , TCC and DC
31	Financial Bid, Schedule I, VMS Software Enterprises License	VMS Software Enterprise License	We understand VMS Software enterprise license as, all Indoor & Outdoor Cameras connect into given VMS (that calls for 5000 Camera licenses) only? Please confirm.	Please refer revised Price Bid uploaded on nProcure
32	Financial Bid, Schedule I, Other Police Elements	Public Address System - Nos. 95	Not Clear with requirement of PA System - 95 No. Given quantity of 95 Nos, whether is for 95 Nos Speakers or 95 Nos	95 locations are in scope of the bidder is responsible for PAS. Depending on the no. of arms the bidder is required to carry out a feasibility study and determine the number of speakers accordingly

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			Public Address Systems? Please clarify.	
33	Financial Bid, Schedule I, Fire Extinguisher	Fire extinguishers- 4 Kg Dry Powder/Co2 based Fire Extinguisher (With Installation and 5 Year O&M Support) --- Nos. 25.	We understand 5 year O&M Support as, 1 year warranty and 4 years AMC Support. Please check & confirm.	As per Corrigendum 2, The requirement is for 5 years Operations and Maintenance which includes 5 years warranty & support
34	General	<b>Building Management System</b> : Solution should provide a pre-integrated, centralized and consolidated platform for end to end management of the building, which would include: Air-conditioning units, D.G. sets, HT Panel, LT panel, UPS Systems, Fire Alarm system, Surveillance System, Access Control, Water leakage detection, Rodent repellent, Temperature and Humidity, Fire, etc.	Here BMS integration asked for Water Leakage Detection (WLD) & Rodent repellent systems (RRS) as well, whereas these systems are not factored in Price Bid/BOM. How to factor the same? Please clarify. Whether WLD & RRS are required for CCC and DC Areas? If Yes, Please share the floor layout in Autocad / PDF format with Room dimensions & false ceiling, false flooring breakup details for every room to Design & arrive the Actual Bill of Materials for given Layout.	Please refer to Corrigendum 5, Annexure 1 for detailed layout of CCC, DC , TCC and DC
35	General	<b>Indoor Fixed Dome Cameras with PoE</b> : 1. Image sensor : 1/2.7" Progressive Scan CMOS.	Can we proposed any of the following sensor size:- Image sensor with 1/2.7" or 1/2.8" or 1/3" sized. Because 1/2.7" would be monopolized to any one of specific make. Kindly confirm.	Please Refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
36	General	<b>Access Control System -- Controller features</b> - 16. Processor 50 MHz with 32 MB RAM - 32. Certifications CE Approved	Request to modify these features as below : - 16. Minimum Processor capacity that suits for minimum 500 Personnel records capacity - 32. Certifications - CE / UL Approved	No Change, As per Corrigendum 2
37	General	<b>Operations and Maintenance for a period of 5 years</b> SI shall provide operations and maintenance services for the software, hardware and other IT and Non-IT infrastructure installed as part of project for a period of 5 years <b>i.e. 1 year warranty &amp; 4 years of comprehensive AMC.</b>	Hope O&M period will be 1year Standard warranty period + 4years of comprehensive AMC period, please confirm.	Please Refer Sr. No. 33
38	General	Area details for CCC-DC and TCC-DC	We need CCC-DC and TCC-DC area Layout with clear Dimensions details, Void break up details for detailed design of indoor IBMS solution	Please refer to Corrigendum 5, Annexure 1 for detailed layout of CCC, DC , TCC and DC
39	General	BMS items specifications	We need BMS specs are provided in Tender, with most of 3rd party integrations like Air-conditioning units, D.G. sets, HT Panel, LT panel, UPS Systems, Fire Alarm system, Surveillance System, Access Control, Water leakage detection, Rodent repellent, Temperature and Humidity, Fire, etc. - We need for IO summary and Equipment list details for Designing BMS.	Please refer to Corrigendum 5, Annexure 1 for detailed layout of CCC, DC , TCC and DC

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
40	General	Water leak and Rodent repellers	There is no scope of water leak, rodent Repellers are asked in any of tender document, however BMS integration are asked for these systems. Please confirm whether these systems to be provided or not.	For the DC area, all the required protections for electrical items shall be in scope of the bidder
41	General	BMS Integration	BMS specs calls for fully integrated system like ACS, CCTV, Fire safety systems. Can we propose separate software for Access Control System(ACS) and integrate Cameras at CCC & TCC & also other offices to City Surveillance VMS. Please get clarity on same.	The solution must meet functional requirements as specified in the RFP for the BMS system
42	Tender Document, Page 3 No.25	Existing Camera Make, Models and Types	In Vol-1 City Surveillance System portion -- a) City Surveillance System -- Scope asked as - Integration of existing CCTV cameras installed in the city by SCADL /Home department. To consider the same, need few details like existing Cameras Make & model, type of cameras, How old is the installation, How are they connected & its storage management etc. Please get the clarity.	Please refer to Corrigendum 5, Annexure 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
43	Financial Bid, BOQ	Cameras Quantity	In RFP BOQ – Total Camera count including CCC & TCC are 5700 approx. Whereas VMS Software with camera licenses asked for 5000 nos only. Please clarify	Please refer the price bid as uploaded on the nprocure website
44	General	Face Recognition System	For Face Recognition System, we need details of a) Number of cameras to be used for face recognition b) Database size	As per Corrigendum 2
45	General , Wi-Fi	This is with regards to the Wireless solution where RFP asks for a cloud based solution and integration with Access points of any make / model. SCADL may procure AP's of any make model and bidder has to integrate with controller. If firmware of AP needs to be changed, it needs to be done by bidder.	This is not feasible as No Gartner list OEM has a open Ap ,into which firmware can be loaded . Also NO Gartner list OEM has a controller which is open & can handle other AP.	Please Refer Corrigendum 4
46	Page 39, Point 3. Access Points	Cloud based Wireless controller (WLC) should support unlimited number of Access Point/Users without any additional Licensing cost. By cloud controller does it mean that the controller will be located in the NOC of bidder?	Clarity should be there in case it would be cloud hosted in premises OR outside	Please Refer Corrigendum 4
47	Page 39, Point 3. Access Points	Cloud based Wireless controller (WLC) should support unlimited number of Access Point/Users without any additional Licensing cost. No vendor would support unlimited AP/users due to hardware limitations. Request to relax this clause. Cisco / Ruckus / Zebra/ Altai etc. do not have.	Controller cannot be unlimited access.	Please Refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
48	IPv6	should support IPv6 access control lists. We requested for request relaxation of this clause. This will provide fair chance for enterprise vendors to bid. Also IPv6 is very rarely implemented and requires client devices to also support the same. In a smart city WIFI there would be devices which would not support IPv6. - But not changed	Should be removed as IPv6 client devices may not be available most of time.	Please Refer Corrigendum 4
49	Page 39, Point 3. Access Points	It should be compatible and be able to integrate with the Cloud based Controller. Must support SSH & SNMP protocol It should be Pre-configured with the necessary open source firmware such that it becomes a Plug and Play device and should be auto discoverable by controller. An AP with open source firmware has limitations and could affect the user experience in a hotspot deployment. Open source firmware have limited RF management features and hence could affect users experience. E.g. while roaming, in areas of high interference, radar detection etc.	Open source Controller have many restriction and not available with any reputed Gartner OEM	Please Refer Corrigendum 2 & 4
50	General	Poles for Wi-Fi	Will poles for necessary Wi-Fi Ap installation be provided by the SCADC	The bidder is free to utilize the existing poles/ pillar/ fixture for the installation of the same where ever required with prior permission from SCADL, In cases where these are not available the requirement for the same has to be met by the bidder for the successful project implementation
51	Access Points	Detailed list of locations along with the no. of Access points at each location is shared in Annexure D. Annexure D has only the detailed list of locations. Quantities of Access points against each location is not mentioned. Pls provide the same.	Quantity per location not available	Please refer to Corrigendum 5, Annexure 3. Please note that the number of AP s at each location specified is tentative and will be finalized post the feasibility study report approval by SCADL/AMC

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
52	Page 15, Point 9. Eligibility Criteria	<p><b>OEM Authorization : 1.</b> OEMs of proposed equipment/components should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered. <b>2.</b> OEMs for networking devices at aggregation layer and data center layer should be one of the top five from the GARTNER list of top five companies for data center networking. <b>3.</b> OEM for other networking equipment's should be in the top Five positions in terms of market share in India as per latest available IDC report or should be present in latest Gartner magic Quadrant.</p>	Looks like following set of 3 points for undertaking is towards specific components that supports for TAC, RMA & Migration to IPV6. For other components these 3 points has no relevance. Please confirm.	Please Refer Corrigendum 4
53	Page No. 30, 2.e	Adaptive Traffic Signal asked to install at 10 junctions.	Since Junction names are not mentioned in RFP, please confirm that all 10 junctions are 3 arm, 4 arm, or 5 arm. This helps us to design the system accordingly.	Please refer Corrigendum 5, Annexure 4 for list of ATCS locations
54	Page No. 10, Clause No. 10	Contrast Ratio - 2000:1 or better	IPS displays has Static Contrast Ratio not more than 1500:1 and Dynamic Contrast 500000:1, therefore request to amend the clause accordingly	Accepted, specification revised as" Contrast Ratio - 1200:1 or better
55	Page No. 10, Clause No. 10	Refresh Rate >120 Hz	Most of the displays support Refresh Rate from 50 to 60 Hz. Therefore request to amend the clause accordingly	No Change, As per Corrigendum 2
56	Page No. 10, Clause No. 10	Response Time - 8 MS	Response time of 8 MS is restricting us to a specific brand in the required category, therefore request	Accepted, specification revised as" Response Time: 8 to 12 ms or better



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			you to kindly amend the clause as 8 to 12 MS	
57	Page No. 10, Clause No. 10	Standard Outputs - 1x CVBS BNC	Required output video format is obsolete therefore request you to kindly delete this as output from the specifications	Accepted, Specification modified as " Standard Output Interface: 1x Digital DVI-D, 1 DP-1.2 port
58	Page No. 11, Clause No. 10	All input sources can be displayed on the video wall in freely resizable and movable windows	Please define no. of input sources for Video Wall Controller	Workstation , CCTV Cameras, Desktops, VMS etc.
59	Page No. 2, Schedule -I	Additional LED Displays - 4 Nos.	Please provide size of the displays and their functional requirements	The LED Display size is 55" and specs as per Corrigendum 2
60	Page No. 4, Schedule -I	Additional LED Displays for News - 4 Nos.	Please provide size of the displays	The LED Display size is 55" and specs as per Corrigendum 2
61	Page No. 5, Schedule -I	Additional LED Displays- for different functions / sub-command centers	Please provide size of the displays	The LED Display size is 55" and specs as per Corrigendum 2
62	Page No. 5, Schedule -I	LED TVs	Please provide size of the displays	The LED Display size is 55" and specs as per Corrigendum 2
63	Page No. 30, Clause No. "F"	The PA systems at Traffic Junctions will be connected to the TCC (Traffic Control Center) and CCC through the proposed connectivity.	How Many Paging Buttons shall each Desk Microphone will have for making announcement. For this requirements, we are considering 10 Microphones. We assuming Adaptive traffic control systems in Financial Bid as Traffic Control Centre. Also confirm No. of Microphones to be considered for CCC	The system shall also contain the control software that could be used to control/monitor all the components of the system that includes Controller, Calling Station & keypad, Amplifier (Mixing & Booster).

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
64	Page No. 30, Clause No. "F"	The PA system is integrated with surveillance system and installed in such a manner that the Traffic Police at Control and Command Center and CCC is comfortably able to announce at any of the junctions by watching the live video stream from Surveillance system installed at the Traffic junctions.	Please provide the wattage and qty of speakers to be considered at each location	Minimum 2 Speaker, to be used in different directions and Minimum 200 Watts of amplification
65	Specification Corrigendum 2, Page 28, Point 2	The Centralized EMS solution needs to have a standalone system and has to be technology / vendor agnostic that shall enable to introduce any additional technology / vendor in the network. Such a network as and when introduced should seamlessly integrate with the solution proposed and continue to provide the services right since the day one of its introduction.	kindly elaborate an use case,difficult to understand the ask here	This is from the scalability point of view for addition of new Systems, Vendors or service providers, devices, network etc. in conjunction with the smart city solution proposed under this RFP
66	Specification Corrigendum 2, Page 6, 13.C	C.The integrated Helpdesk tool of the IMS should be able to handle change requests as per the workflow defined by the customer.	what is the no.of agents required?	Refer to Corrigendum 2
67	Specifications Corrigendum 2 - Page No. 2 Point No. 2	The Console Top / working surface should be made of minimum 25 mm thick MDF with High Pressure Laminate finish. The laminate shall be fire retardant, Insulated, Water Proof, Scratch resistant and high hardness. The Table Top should be able to mount three 27 Inches Display monitors for each work station with front edge of the table top should be moulded polyurethane edge(for wrist cushion)	Moulded Polyurethane is an outdated technology which is not been offered by the International Companies like Evans, Knurr, Tresco, Winsted. It is a propitiatory offering that is limited to only one Company in India, which is based in Udaipur - M/s. Pyrotech Workspace. This is a Dated Technology, which can not be Repaired / Replaced at site (if & when Damaged). This Requires Mechanical Intervention & substantial Download time for repair / replacement, which is not	Please Refer Corrigendum 4

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			advisable in 24/7 Environments, So we request you to delete this clause	
68	Specifications Corrigendum 2 - Page No. 2 Point No. 8	ISO 11064 latest revision, BIFMA X5.5, RoHS (UL certificate), Seismic zone IV compliant	"Seismic Zone 4" pre requisites is not generally applicable for Desk Assemblies / Furniture for Control Rooms. "Seismic Zone 4" pre requisites are generally required in Nuclear Application environment. Being a customized Delivery, Seismic Zone 4 Test Report done on any other previous delivery will not be applicable on this requirement. If Seismic Zone 4 Test has to be mandatory then it has to be done on the Desk Assemblies getting supplied for Ahmedabad Smart City Project only and any previous Test report should not be applicable on this or else request you to delete this clause.	Please Refer Corrigendum 4
69	Specification Corrigendum 2, Tender Document Page 30	The Bidder has to assume 500000 events per month	Can we have break/number for each system like RLVD, Speed detection violation	This is the Quantum of Challan that may be generated per month, this is only for the sizing of the e- challan system and challan generation capabilities

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
70	Tender Document Corrigendum 2, Pg 19	Identity and Access Management – including user authentication, authorization, SSL & Digital Signatures for systems developed under the scope of work	Do we need to quote for a separate IDAM & SSO solution? If yes, are there any other applications apart from the applications being provided as part of the RFP to be integrated with the IDAM solution	The bidder has to assess such a requirement
71	Tender Document Corrigendum 2, Pg 20	Protection against Denial of Service (DoS) and Interference attacks to public Wi-Fi Devices and other components under scope of work	Can this feature be part of the firewall or should it be separate solution	This is functional requirement and is upto the bidder to decide as per the applicability of services
72	Tender Document Corrigendum 2, Pg 104	User Security and Monitoring	Can we use the existing SMS gateway for OTP	SMS Gateway has to be provided by the successful bidder
73	Tender Document Corrigendum 2, Pg 104	Data Security	Does this have to be future of the application or can we provide an external solution such as DLP for the same?	This is functional requirement and is upto the bidder to decide as per the applicability of services
74	Tender Document Corrigendum 2, Pg 105	Audit Trail & Audit Log	Can we propose only logger solution to store the logs or do we need to provide an SIEM solution here	This is functional requirement and is upto the bidder to decide as per the applicability of services
75	Tender Document Corrigendum 2, Pg 107	Infrastructure Security	How many endpoints need to be factored for desktop AV	Please refer the Price bid Document
76	Tender Document Corrigendum 2, Pg 15, point 6, 7	Details of such projects undertaken along with clients' on-going/completion certification/ letter should be enclosed Copies of work order and the client certificates for satisfactory completion of project	Kindly note that the projects are under non-disclosure agreement with the customers. Therefore, bidder cannot share work order copies. Kindly, modify the evidence required as per below: " Certificate from authorized signatory/company secretary	In case if the work order cannot be provided, Client certificate can be provided as supporting document

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			confirming the project scope, status and value"	
77			<p>The outdoor equipment's like cameras, LED Wireless Communication system, AP's have been defined with operating temperature range.</p> <p>Please specify how much operating temperature range need to be considered for other outdoor equipment's or please specify the standard/certification we have to follow for to meet environmental requirements for outdoor equipment's.</p>	As Per Corrigendum 2
78	Wide Dynamic Range - point in Sec 47 Point nos 9 Type D 180 Degree Camera	70 db or better	We are a reputed and leading global manufacturers of 360/180 degree Panoramic cameras. We suggest to make it 60dB or better for more participation as 70dB is specific to few vendors.	No Change, as per Corrigendum 2
79	Tender Document- Corrigendum 2, 10 Implementation timelines, Page no. 51	The successful bidder will be further blacklisted from participation in future government contracts	Request SCADL to Kindly remove this clause	Accepted, The Clause stands modified as" Please note that if the successful bidder fails to complete Proof of concept in 30 days or perform as per the requirement of SCADL even after second attempt of 15 days, then his EMD will be forfeited, contract terminated, and work will be assigned to L2 bidder, subject to his acceptance, at cost to the successful bidder"

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
80	Corrigendum 4 ,Serial No 29, Page 10	<p>The bidder must have annual turnover of at least Rs. 500 Crores (for the lead bidder in case of consortium) for each of the last three financial years as on 31st March, 2016.</p> <p>Annual Turnover of the bidder generated solely from System Integration, Networking (setting up or O&amp;M) and Data Centre (setting up or O&amp;M) during each of the last three financial years, should be at least Rs.250 crores"</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p>	<p>The reference to this query asked is the old RFP and not as per corrigendum 2 released with pre bid queries clarifications.</p> <p>Kindly amend the clause as per Tender Document- Corrigendum 2, Section 2,Point no.3, Page 14 :</p> <p>"The bidder must have annual turnover of at least Rs. 500 Crores (for the lead bidder in case of consortium) for each of the last three financial years as on 31st March, 2016. Average Annual Turnover of the bidder generated solely from System Integration, supply/service for active or passive Networking (setting up or O&amp;M) and Data Centre (setting up or O&amp;M) during last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p>	<p>Clause revised as "</p> <p>The bidder/Lead Bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2016.</p> <p>Average Annual Turnover of the bidder generated solely from System Integration, supply/service for (active and passive) Networking (setting up or O&amp;M) and Data Centre (setting up or O&amp;M) during the last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility</p>

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
81			<p>Seeing the scale of project and the complexity involved in stitching the right solution for this tender, we request you to kindly extend the due date for submission of Bid at least by 4 weeks' time from the date of release of clarification against the additional queries submitted with this mail and accordingly extend the date for bid submission. It will enable us to submit quality solution as a response to the RFP</p>	<p>Please refer Corrigendum 5 for revised dates</p>
82			<p>We are working on the bid preparation of the afore mentioned RFP and are eager to participate in this tender opportunity. We understand that the last date for Bid Submission for the said Tender is 27/03/2017 (Tuesday) up till 5.00 pm. We humbly request for an extension of 4 weeks.</p>	<p>Please refer Corrigendum 5 for revised dates</p>

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
83	(Page 27) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> a) Speed Detection System	The Speed Violation system should be capable of measuring speeds up to 120 Km/Hour for both (Two & Four Wheeler's) or higher with minimum accuracy of 90% in detecting speed limit violations and photographing the incident and reading the vehicle No. plate in various formats including Gujarati font.	<p>1) Detection &amp; reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar &amp; Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers".</p> <p>2) Use of any other language except English on license number plates is an offence as per the act.Requesting you to remove the clause related to Gujarati Language and change the clause as per Motor Vehicle Act only(refer to attached documents for reference)</p> <p>Hence, considering above points, you are requested to amend the requirement accordingly.</p>	<p>The cases where the no. plate is broken, dirty, not clearly visible, washed etc. such cases shall not be considered for the accuracy calculation</p> <p>The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted</p>



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
84	(Page 53) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 60) Speed Detection Application with licenses	The Camera system shall be capable of measuring speeds with an accuracy of 90% in detecting speed limit violations and photographing the incident.	<p>1) Detection &amp; reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar &amp; Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers".</p> <p>2) Use of any other language except English on license number plates is an offence as per the act.Requesting you to remove the clause related to Gujarati Language and change the clause as per Motor Vehicle Act only(refer to attached documents for reference)</p> <p>Hence, considering above points, you are requested to amend the requirement accordingly.</p>	<p>The cases where the no. plate is broken, dirty, not clearly visible, washed etc. such cases shall not be considered for the accuracy calculation</p> <p>The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted</p>

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
85	General		Accuracy of speed has not been asked , which is generally as per industry standard should be $\pm 5$ kmph and should be certified by any certifying body. Hence, you are requested to include the requirement.	Please refer Corrigendum 2
86	(Page 28 ) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> c) Automatic Number Plate Recognition(ANPR) System	The proposed system should be capable to perform OCR (optical character recognition) of number plates (Detect and Read) written in English and Gujarati language with character in standard or non-standard fonts, unusual characteristics like different size characters, font, colors, special characters etc.	As per the Motor Vehicle Act, only English alpha-numeric characters are considered as standard language for number plates. Use of any other language except English on license number plates is an offence as per the act. Hence, we request you to remove the clause related to Gujarati Language and change the clause as per Motor Vehicle Act only. IMP: Refer to attached documents for reference	The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted
87	(Page 53) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 61) ANPR Application /System	3. The system shall perform OCR (optical character recognition) of the license plate characters (English and Gujarati alpha-numeric characters in standard fonts).The system shall be robust to variation in License Plates in terms of font, size, contrast and color and should work with good accuracy for all type of vehicles cars, HGV, LGV, PSV and two wheelers	As per the Motor Vehicle Act, only English alpha-numeric characters are considered as standard language for number plates. Use of any other language except English on license number plates is an offence as per the act. Hence, we request you to remove the clause related to Gujarati Language and change the clause as per Motor Vehicle Act only.	The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			IMP: Refer to attached documents for reference	
88	(Page 53) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 61) ANPR Application/System	a) 90% accuracy for Standard English alpha-numeric fonts and HSRP b) 75% accuracy for hindi devnagari, Gujarati Font(4 Variants)	As per the Motor Vehicle Act, only English alpha-numeric characters are considered as standard language for number plates. Use of any other language except English on license number plates is an offence as per the act.Hence, we request you to remove the clause related to hindi devnagari, Gujarati Font and change the clause as per Motor Vehicle Act only(refer to attached documents for reference)	The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
89	(Page 28 ) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> c) Automatic Number Plate Recognition(ANPR) System	The Accuracy of ANPR system should be more than 90% in case of standard English Alphanumeric Font and High Security Registration plates and 75% for Hindi Devnagari and Gujarati scripts, the system should be able to capture the Registration Plate of a vehicle moving at a speed of up to 120 Km/hour with the same level of accuracy.	<p>1) Detection &amp; reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar &amp; Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers".</p> <p>2) Use of any other language except English on license number plates is an offence as per the act.Requesting you to remove the clause related to Hindi Devnagari and Gujarati s Language and change the clause as per Motor Vehicle Act only(refer to attached documents for reference)</p> <p>Hence, considering above points, you are requested to amend the requirement accordingly.</p>	<p>The cases where the no. plate is broken, dirty, not clearly visible, washed etc. such cases shall not be considered for the accuracy calculation</p> <p>The Detection of Vehicle registration Plates in Hindi and Gujarati Stands Deleted</p>

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
90	(Page 137) Tender Document Corrigendum 2>>> Section 5: SLA & Penalties>>> 8. Accuracy of ANPR/RLVD/Speed Detection/Face Recognition system	a) SCADL or its nominated agency shall once in a month visit the CCC to check the accuracy of the said systems on random basis and mark out the difference if found lower than the accuracy level as per the SoW. Each such instance of accuracy lower than the defined limit shall be counted as an "instance" for penalty calculation	The asked penalty amount is too high and linked to the SLAs of accuracies which are already on higher side. For an instance, there are 2062 camera in city and if there are 4-5 inaccurate detections captured(due to any reason), the penalty amount would be on a higher side.Hence, we are requesting you to kindly remove or here should be the cap to the total penalty to be levied.	No change, As per Corrigendum 2
91	(Page 139) Tender Document Corrigendum 2>>> Section 5: SLA & Penalties>>> 4. Accuracy of ANPR/RLVD/Speed Detection/Face Recognition system	Rs. 100,000/- per "Instance" per month	The asked penalty amount is too high and linked to the SLAs of accuracies which are already on higher side. For an instance, there are 2062 camera in city and if there are 4-5 inaccurate detections captured(due to any reason), the penalty amount would be on a higher side.Hence, we are requesting you to kindly remove or here should be the cap to the total penalty to be levied.	No change, As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
92	(Page 28) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> b) Red Light Violation Detection System	The System should be able to identify and log Red Light Violations with minimum accuracy of 90%	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as "The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers". Hence, you are requested to amend the requirement accordingly.	The cases where the no. plate is broken, dirty, not clearly visible, washed etc. such cases shall not be considered for the accuracy calculation
93	(Page 55) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 62) Application and System Software and licenses for RLVD	6. The accuracy of the RLVD system should be identify Red Light Violations with an accuracy of at least 90% both during day and Night time	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as "The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of	The cases where the no. plate is broken, dirty, not clearly visible, washed etc. such cases shall not be considered for the accuracy calculation

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			4-wheelers". Hence, you are requested to amend the requirement accordingly.	
94	(Page 28) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> b) Red Light Violation Detection System		It is observed that at the stretches, the roads are segregated with high barriers and the junctions are normally open that increases the probability of fatal accidents, whenever the vehicles exceed the assigned speed limits in amidst of such stretches. Moreover, in most of the Smart city tenders which are already floated has asked for Speed detection with RLVD system feature. E.g. Vizag, Kakinada, Pune etc. Hyderabad ITMS project which is under implementation also has the feature of Speed detection with RLVD system. Hence, it is requested to include speed detection feature with the Red Light Violation Detection system which can be achieved with no extra addition of hardware and cost.	No Change, As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
95	(Page 55) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 62) Application and System Software and licenses for RLVD		It is observed that at the stretches, the roads are segregated with high barriers and the junctions are normally open that increases the probability of fatal accidents, whenever the vehicles exceed the assigned speed limits in amidst of such stretches. Moreover, in most of the Smart city tenders which are already floated has asked for Speed detection with RLVD system feature. E.g. Vizag, Kakinada, Pune etc. Hyderabad ITMS project which is under implementation also has the feature of Speed detection with RLVD system. Hence, it is requested to include speed detection feature with the Red Light Violation Detection system which can be achieved with no extra addition of hardware and cost.	No Change, As per Corrigendum 2



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
96	(Page 27 ) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> b) Red Light Violation Detection System	The RLVD system and related videos as well as the surveillance video feed should go to the central control rooms, wherein the Red-Light violation and its Number plate detection shall take place in real time.	RLVD System comprises of ANPR camera and Scene Camera and each ANPR camera covers the lane of width 3.5m approximately and scene camera covers the overall picture of the approach. The specifications given for cameras at Pg. no. 31 of specification document Corrigendum 2, 2 MP resolution is sufficient for ANPR camera . Since single image captured from the scene camera shows Traffic Light status, Zebra Crossing/Stopline, vehicle and its number plate visible in the single image, which can be shown as an evidence of violation in the court of law, for which 2MP resolution will not suffice and atleast 5 MP is required. Hence, we request you to kindly change the scene camera resolution from 2 MP to 5MP.	No Change, As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
97	(Page 27 ) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> b) Red Light Violation Detection System	'Scene' images will be captured the red signal in the direction of vehicle's travel.	RLVD System comprises of ANPR camera and Scene Camera and each ANPR camera covers the lane of width 3.5m approximately and scene camera covers the overall picture of the approach.The specifications given for cameras at Pg. no. 31 of specification document Corrigendum 2, 2 MP resolution is sufficient for ANPR camera . Since single image captured from the scene camera shows Traffic Light status, Zebra Crossing/Stopline, vehicle and its number plate visible in the single image, which can be shown as an evidence of violation in the court of law, for which 2MP resolution will not suffice and atleast 5 MP is required. Hence, we request you to kindly change the scene camera resolution from 2 MP to 5MP.	No Change, As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
98	(Page 55) Specification Document Corrigendum 2>>> Technical and Functional Specifications>>> 62) Application and System Software and licenses for RLVD	3. The solution should synchronize the record of Red Light violation, Number plate of vehicle and 3 snaps clearly showing the vehicle is crossing the stop line while signal is RED which can be used as evidence where required.	RLVD System comprises of ANPR camera and Scene Camera and each ANPR camera covers the lane of width 3.5m approximately and scene camera covers the overall picture of the approach. The specifications given for cameras at Pg. no. 31 of specification document Corrigendum 2, 2 MP resolution is sufficient for ANPR camera . Since single image captured from the scene camera shows Traffic Light status, Zebra Crossing/Stopline, vehicle and its number plate visible in the single image, which can be shown as an evidence of violation in the court of law, for which 2MP resolution will not suffice and atleast 5 MP is required. Hence, we request you to kindly change the scene camera resolution from 2 MP to 5MP.	No Change, As per Corrigendum 2
99	(Page 27 ) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> b) Red Light Violation Detection System	System should also have built in smart algorithm for identification of the defaulter for other types of challaning such as without Helmet, without seat belt, with 50% accuracy in first year of operation which is to increase by 10% every year etc.	Offences like not wearing helmet, seat-belt etc. can only be seen manually that requires human intervention. Hence, we request you to remove this clause.	No Change, As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
100	(Page 27) Tender Document Corrigendum 2>>> Section- 3: SCOPE OF WORK>>> 2) Area Traffic Control System>>> a) Speed Detection System	This system shall be taken up as a project at 62 locations with cameras installed at identified locations on the freeways covering entire road. The list of these locations is attached in Annexure F.	In Tender document Corrigendum 2, 62 locations are mentioned whereas in financial document Corrigendum 2, 62 cameras are mentioned for speed detection system. One Speed Camera covers 3.5m lane approximately. Hence, We request you to mention the exact number of lanes at each location where speed detection system needs to be deployed.	The list of locations and specified number of cameras are an indicative quantity. The actual quantities have be accessed by the successful bidder and verified by SCADL/AMC as part of the feasibility study and subsequently quantities will be ordered
101	(Page 7) Financial Bid Document Corrigendum 2>>> Price Bid>>> SCHEDULE – I	126. <b>Speed Detection:</b> (Application, System Software, applicable licenses with required hardware for application) (for 62 Camera) As per Technical specifications including all Accessories, Installation, Configuration & Commissioning with 5 Year warranty and online support	In Tender document Corrigendum 2, 62 locations are mentioned whereas in financial document Corrigendum 2, 62 cameras are mentioned for speed detection system. One Speed Camera covers 3.5m lane approximately. Hence, We request you to mention the exact number of lanes at each location where speed detection system needs to be deployed.	The list of locations and specified number of cameras are an indicative quantity. The actual quantities have be accessed by the successful bidder and verified by SCADL/AMC as part of the feasibility study and subsequently quantities will be ordered
102	(Page 7) Financial Bid Document Corrigendum 2>>> Price Bid>>> SCHEDULE – I	127. <b>Automatic Number Plate Recognition (ANPR) for 1600 Cameras</b> ) and required servers Application and System Software with applicable enterprise licenses As per Technical specifications including all Licenses, Accessories, Installation, Configuration & Commissioning with 5 Year warranty and online support	Since one ANPR Camera covers the lane of width 3.5m approximately, we request you to kindly clarify the exact number of lanes for ANPR system.	The list of locations and specified number of cameras are an indicative quantity. The actual quantities have be accessed by the successful bidder and verified by SCADL/AMC as part of the feasibility study and subsequently quantities will be ordered as per approved quantities

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
103	(Page 7) Financial Bid Document>>> Price Bid>>> SCHEDULE – I	128. <b><u>Application and System Software and licenses for RLVD (for 400 Camera)</u></b> and required servers As per Technical specifications including all Licenses, Accessories, Installation, Configuration & Commissioning with 5 Year warranty and online support	Since one RLVD Camera covers the lane of width 3.5m approximately, we request you to kindly clarify the exact number of lanes for RLVD system.	The list of locations and specified number of cameras are an indicative quantity. The actual quantities have be accessed by the successful bidder and verified by SCADL/AMC as part of the feasibility study and subsequently quantities will be ordered as per approved quantities
104	Tender Document, Page 122 Clause 34	Activity Payment(%)	<p>Requesting SCADL to kindly consider the old payment terms published in the Original RFP</p> <p><b>Hardware/Material component as per Schedule I of financial bid</b></p> <p>1. Successful Installation, commissioning &amp; FAT of the Central Infrastructure (CCC, TCC and Data Center) - 20% of the sum total of schedule I of financial bid</p> <p>2.Successful Installation, commissioning &amp; FAT of each 25% the Site equipment (camera, Wi- Fi Hotspot, LED Display screens etc.) - 15% of the sum total of schedule I of financial bid</p> <p>3.Successful Installation, commissioning &amp; FAT of 100 % the Site equipment (camera, Wi-Fi Hotspot) - 10% of the sum total of schedule I of financial bid</p>	Refer Point 152, Corrigendum 5 for revised payment terms

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			<p>4. Balance 10% as part of Quarterly Payments along with the payment's for O&amp;M - 10% of the sum total of schedule I of financial bid to be divided and paid as 20 equated quarterly installments along with O&amp;M Payment</p> <p><b>Operations &amp; Maintenance as per Schedule II of financial bid</b> Operational &amp; Maintenance support during the contract period of 5 years - 20 equal Quarterly Installments after the end of each quarter.</p>	
105	Tender Document, 10.1 Implementation timelines, Point no. 5, Page no. 50	During PoC successful bidder is required to deploy at least 50 AP's, CCTV camera-50 nos. with all systems (ANPR, RLVD, Speed Violation,) at the locations specified by AMC/SCADL.	Requesting SCADL to kindly waive off the POC for the bidders who have already executed smart city projects in India	No Change, as per Corrigendum 2
106	Tender Document, 10.1 Implementation timelines, Point no 2- Feasibility Study, Page no. 49	30 days from Lol/Work order	In case if POC exist , Requesting SCADL to Kindly consider 30 days from the date of the successful completion of the of POC	No Change, as per Corrigendum 2
107	Tender Document, 10.1 Implementation timelines, Point no 5- POC, Page no. 50	30 days from Lol/Work order	In case if POC exist , Requesting SCADL to Kindly consider 90 days from the date from Lol/Work order	No Change, as per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
108	Tender Document, 10.1 Implementation timelines, Point no 4- Delivery of hardware at CCC, Page no. 49	Within 90 days from the date of issuance of the Lol/Work Order	Requesting SCADL to extend the days to 120 days and in case if POC exists, requesting to kindly consider 120 days from the date of successful completion of the POC	No Change, as per Corrigendum 2
109	Tender Document, 10.1 Implementation timelines, Point no 5- POC, Page no. 50	Proof of concept for 50 AP and 50 CCTV cameras, with VMS detection and challan generation for speed limit violation and RLVD, ANPR (Instead of central side solution for the application, cloud based solution allowed for the POC, Will have to use CCTV camera and Aps from 3 different OEMs each), eGovernance integration ( as per scope of PoC)	In case if POC exists, Request SCADL to amend the clause to "Proof of concept for 50 AP and 50 CCTV cameras, with VMS detection , speed limit violation and RLVD, ANPR (Instead of central side solution for the application, cloud based solution allowed for the POC, Will have to use CCTV camera ( as per scope of PoC)"	No Change, as per Corrigendum 2
110	Tender Document, 10.1 Implementation timelines, Point no 3- Delivery of hardware at end locations, Page no. 49	1st Lot: 25% of the Work order – within 60 days 2nd Lot: 50% of the Work order - within 90 days** Final Lot: 100% of the Work order – within 120 days** **from the date of issuance of Lol/work order	In case if POC exist, Request SCADL to Kindly amend the clause to "100% of the work order Within 120 days from the date of the successful completion of the of POC	No Change, as per Corrigendum 2
111	Tender Document, 10.1 Implementation timelines, Point no 6, Page no. 50	Within 120 calendar days from the date of issuance of LOI/ Work order	Requesting SCADL to extend the days to 180 days and in case if POC exists, requesting to kindly consider 180 days from the date of successful completion of the POC	No Change, as per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
112	Tender Document, 10.1 Implementation timelines, Point no 7- I&C at end locations, Page no. 50	Within 180 calendar days from the date of issuance of LOI/ Work order	Requesting SCADL to extend the days to 210 days and in case if POC exists, requesting to kindly consider 210 days from the date of successful completion of the POC	No Change, as per Corrigendum 2
113	3.7. b Testing and Acceptance Criteria Pg 87	The following table depicts the details for the various kinds of testing envisaged for the project:	Requesting SCADL to kindly clarify the process and the time frame for the completion of the Acceptance testing. In case bandwidth is not available how the payments get disbursed and how the final acceptance testing will be done	As per corrigendum 2
114	Page 11 Clause 1.4 About the Project	The city-wide network/connectivity project will not be the part of scope of work of this RFP. AMC is in the process of implementing the city-wide network in phased manner and as part of the first phase laying of own Optical Fiber Network at a stretch of around 170 km along the BRTS corridor has already begun. This OFC network will act as the backbone of the city-wide network. The primary function of city wide network is to connect all AMC offices, city civic centers, urban health centers, schools and municipal buildings, thereby reducing future bandwidth costs.	Availability of the bandwidth and completion of other ongoing projects is a huge dependency on the third parties. If the third parties fails to provide the bandwidth for connectivity and API for the integration as per our project plan, How SCADL will ensure that the bidder will complete his project on time? In such case how SCADL has plan to pay the payments to the bidder?	As per corrigendum 2



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
115	Page 110 Clause 8 Page 151-Format 10-Relationship with OEM	health cte shol nd iipl bildig, thby reduing ftre bandwidth All the back to- back service agreements should be submitted along with the Technical Bid.	<p>In the clause it is mentioned that back to back agreement should be submitted along with the technical bid whereas in format 10, it is written that "Bidder and " _____(Name of OEM)" have agreed to execute agreement in the above respect subject to the Bidder being selected for the Project and Bidder loading support order on " _____(Name of OEM)", a copy of same shall be shared with you, with in 1 month of ordering of support by Bidder."</p> <p>Kindly clarify</p> <ol style="list-style-type: none"> <li>1.Does Format 10- Relationship with OEM is suffice to meet the back to back agreement requirement and we need not to submit any other document.</li> <li>2.Still if separate back to back agreement need to be submitted in technical bid, please share the format.</li> </ol>	Format 10 Can be considered as a supporting document for the back to- back service agreement
116	Format 11 – Proposed Technical Solution page No 152	CVs of the Key Manpower proposed	<ol style="list-style-type: none"> <li>1.In Page 68, a minimum indicative list of key expert details are mentioned. Kindly clarify how many CVs need to be submitted in our technical proposal.</li> <li>2.As consortium is allowed, we understand that we can submit CVs from both Lead bidder and consortium</li> </ol>	Refer to Corrigendum 5, Annexure 5

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			partner. 3.Please share CV format.	
117	Tender Document, 34 Payment Terms, Page no. 122	Payments on FAT for CCC and Site equipments	As the FAT will be dependent upon the availability of bandwidth at end locations and at CCC, what will be the alternative provision for FAT in case if the bandwidth provider fails to provide the bandwidth at the desired locations?	As per Corrigendum 2
118	Tender Document, 3.12. Common guidelines regarding compliance of systems/equipment, Point no. 7, Page no. 110	SI should ensure that only one make and model is proposed for one component (for each line item) in Technical Bid.	This is contradictory as during POC, bidder has to demonstrate solutions from 3 different OEMs each. Request Clarification	3 OEM's have only been asked for the POC to check the compatibility of the proposed solutions with multiple OEM's However, Only a single Make and Model has to be proposed in the price bid and only the proposed Make & Model has to be supplied with the RFP deliverables
119	Tender Document, 34.2 Payment Procedure, Point a, Subpoint 3, Page no. 122	Hardware/ Material Component SCADL shall verify the Invoices raised against the milestone achieved and shall make the payment	Request SCADL to Kindly amend the clause to "SCADL shall verify the Invoices raised against the milestone achieved and shall make the payment with 45 days"	As per Corrigendum 2
120	Tender Document, 34.2 Payment Procedure, Point a, Subpoint 3, Page no. 122	Addition	Request SCADL to Kindly add the clause "In case the processing of the invoice gets delayed beyond 45 days from the date of acceptance of invoice, the successful bidder would be paid an adhoc amount of 50% of invoice value and the remaining amount would be	As per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			released after getting clarifications"	
121	Tender Document, 3.1.3Network Layer, Page no. 18	Provisioning of bandwidth will not be included in the scope of the Implementation Vendor; however, all electronics required at the edge locations to use the bandwidth will be included in the scope of the system integrator	Need clarity on the deployment of electronics at edge locations	Please refer the price bid uploaded on npocure
122	Tender Document, 10.2 Project deliverables, B) Operations and Maintenance (O&M) of the Project, NMS for SLA and Performance Reporting , Page 62	The NMS should also poll all network devices and other IT and Non-IT components in Smart City Ahmedabad network through IP/SNMP at regular intervals in order to determine their C42status and working	The Non-IT equipments to be monitored from NMS need to be SNMP enabled Requesting SCADL to kindly amend the clause as " The NMS should also poll all network devices and other IT and Non-IT components which are SNMP enabled in Smart City Ahmedabad network through IP/SNMP at regular intervals in order to determine their status and working"	Accepted, The Clause stands modified as" The NMS should also poll all network devices and other IT and Non-IT components which are SNMP enabled in Smart City Ahmedabad network through IP/SNMP at regular intervals in order to determine their status and working
123	Clause 3) Online UPS for CCC & DC Page 3- Specifications	Certifications - UPS should meet CE and ROHS standards (Compliance to be submitted)	CE certification - The CE mark certifies that the products have met EU health, safety and environmental requirements that ensure consumer and workplace safety. Indian manufacturer of UPS system follow the BIS (Beaureu of Indian Standards). Hence we request you to please allow BIS /CE certifications.	Accepted, Clause modified as" Certifications - UPS should meet BIS/ CE and ROHS standards (Compliance to be submitted)

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
124	Clause 3) Online UPS for CCC & DC Page 3- Specifications	Input Voltage Range 160-280 VAC @ 100% load, Single Phase	For the higher range of the UPS system it is recommended to have 3 phase I/p for UPS. We request SCADL to kindly amend the clause as follows: 305 to 465 VAC @ 100% load, Three Phase Requesting SCADL to kindly amend the clause as "Input Voltage Range 305 to 465 VAC @ 100% load, Three Phase "	No Change As per Corrigendum 2
125	Clause 3) Online UPS for CCC & DC Page 3- Specifications	Output Voltage 220/230/240 VAC +/- 1% (Single Phase) / 380/400/415 VAC +/- 1% (Three Phase)	3 phase IT load is required in the DC/CCC hence we recommend to make the provisions of 3 Phase O/P also. Requesting SCADL to kindly ammend the clause as follows: 220/230/240 VAC +/- 1% (Single Phase) / 380/400/415 VAC +/- 1% (Three Phase) Requesting SCADL to kindly amend the clause as "Output Voltage 220/230/240 VAC +/- 1% (Single Phase) / 380/400/415 VAC +/- 1% (Three Phase)"	As per Corrigendum 2
126	Clause 3) Online UPS for CCC & DC Page 4- Specifications	Battery Backup 120min backup on Full Load	For CCC/DC the battery backup time is on higher side as DG backup is already in the CCC/DC. We recommend for the 30 min backup. Requesting SCADL to kindly amend the clause as "Battery	No Change, as per Corrigendum 2

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			Backup 30 min backup on Full Load"	
127	8) UPS at Junctions/AMC locations Page 9- Specifications	Capacity 600 VA or more Line Interactive	<p>We propose Online UPS for this application over the currently specified Line interactive, enclosed please find the advantages of the same,</p> <ol style="list-style-type: none"> <li>1. Online UPS have low input THDi and output THDv</li> <li>2. Higher operating temperature range, Line interactive UPS systems are prone to failure in high temperature settings</li> <li>3. Longer Battery back up</li> <li>4. Online UPS technology is more advanced than Line Interactive, since in Online UPS the power is fed via a inverter on continuous basis as compared to Line interactive where Inverter is on standby mode</li> <li>5. Communication option possible for centralised monitoring</li> <li>6. Advanced local display</li> <li>7. Since the batteries are external, replacement and maintenance is relatively easy</li> <li>8. Online is more rugged as compared to line interactive</li> </ol> <p>Requesting SCADL to kindly amend the clause as "Capacity 600 VA or more</p>	UPS for Junction/ Field UPS Stands Deleted and is being replaced with voltage stabilizer with surge protection feature

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			Online UPS with 30 min power backup	
128	General	General	How many Smart Parking sensors are there? Requesting to kindly clarify the number of parking sensors required.	Smart Parking solution is required under the project, the parking sensors may be procured as and when required, Please refer the Scope Document
129	General	General	For smart light, how many transformers are there and what is the rating of those transformers. Requesting to kindly clarify the number of transformer and respective ratings	Please refer to the Price bid for the scope of services under the Smart Street Lighting
130	General	General	What is current power cabling structure of smart light (In case we have to lay power cable as well)? Requesting to kindly clarify the details of the power cabling structure of Smart Lights	Power cabling is not in scope of the bidder. Please refer to the Price bid for the scope of services under the Smart Street Lighting
131	3 Wi-Fi Hotspot at Public places Page 31 - Tender Document	Bidder must note that SCADL will procure APs in future of any make and model and it will be the responsibility of the current successful bidder to integrate such with current	Requesting SCADL to link it as responsibility of new purchaser to procure the AP after studying existing system for proper integration	Please refer Corrigendum 4
132	Financial Bid corrigendum, Page 2	Online UPS CCC & DC	Please provide the redundancy level of the UPS. We recommend for the N+N configuration. Also please clarify who will provide the NEMA connector / PDU (Power distribution Unit) for the Racks. Requesting SCADL to kindly amend the clause as	Redundancy not required

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
			Online UPS CCC & DC (N+N Redundancy)	
133	Tender Document, 3.2 Broad scope of work, Page no. 22	The system integrator will also be responsible for data migration from the existing applications/systems such as CSITMS, e- Challan as they exist in Ahmedabad city, etc. in the proposed solution	Requesting SCADL to remove Data migration scope In case if Data Migration Scope exists, Need clarity on the scope of migration and associated timelines. Whether these activities are part of the FAT?	Please refer Corrigendum 2
134	Tender Document, 3.2 Broad scope of work, Page no. 22	The SI will be responsible for integrating the infrastructure that is part of scope of this tender with the existing applications of Govt. of Gujarat such as e-Gujcop, Vahan, Sarathi, e-governance application of AMC	Need clarity on the scope of integration of application and associated timelines. Whether these activities are part of the FAT? Please add a clause that the APIs for the integration of the existing applications of Govt. of Gujarat such as e-Gujcop, Vahan, Sarathi, e-governance application of AMC will be made available by the SCADL at the time of project execution Requesting SCADL to ensure availability of all APIs of existing application at time of contract	The API's for the application to be integrated shall be provided by SCADL and its appointed vendors

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
135	Tender Document, 3.3.2. Requirement Phase, Point J, Page no. 75	The SI shall directly interact with electricity boards for provision of mains power supply at all desired locations for field solution. AMC shall facilitate the same. The recurring electricity charges will be reimbursed by AMC as per actual consumption.	1.We understand that power/electricity required will be made available by SCADL, however extension till the last mile/actual utility will be in the scope of successful bidder. The recurring electricity charges will be reimbursed by SCADL as per actual consumption. Please confirm 2.Please confirm that SCADL will provide meter/submeter at power junction	Please refer Sr. No.19
136	Tender Document, 3.2 Broad scope of work, Page no. 21	Actual power/electricity required will be provided by SCADL. However, extension till the last mile/actual utility will be in the scope of successful bidder.	1.We understand that power/electricity required will be made available by SCADL, however extension till the last mile/actual utility will be in the scope of successful bidder. The recurring electricity charges will be reimbursed by SCADL as per actual consumption. Please confirm 2.Please confirm that SCADL will provide meter/submeter at power junction	Please refer Sr. No.19
137	Tender Document, 10.2 Project deliverables, B) Operations and Maintenance (O&M) of the Project, Implementation, Operations and Services & Maintenance of	In case SCADL desires to set up the new Junction points for the deployment of any of the end point utilities, the charges shall be paid to successful bidder as per the unit price quoted in the price bid. The Complete setup including supply of additional hardware, software installation, commissioning will have to be done by the successful bidder during the contract period.	Requesting SCADL to kindly add the below clause against this RFP requirement "Any new requirement during the contract period should be treated as change request along with a separate time line for execution and O&M".	No Change, As per Corrigendum 2



#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
	New Junctions and end points , Page 65			
138	3.2 Broad Scope of Work Page 20 - Tender Document	A. System Integration Component: Design, Supply, Installation, Commissioning of IT and Non-IT Infrastructure to be deployed Pan City under the Ahmedabad Smart City project.	Please clarify that in CCC/DC all the Civil including interior, Electrical and HVAC system should be provided by the AMC/SCADL.	Please refer Sr. 15- 17
139	5B Smart Parking Sensor Page 33 - Tender Document	Developer will create either a separate mobile app as solution for parking in Ahmedabad or will integrate the parking availability – information as a service in existing mobile app	Please share details of existing app. Requesting SCADL to kindly remove the Development Scope from the RFP.	The existing app details will be shared with the successful bidder
140	2B Red Light Violation Detection System Page 37 - Tender Document	The RLVD system Including ANPR capabilities should be integrated with the various application and Databases like e-GujCop, VAHAN, and e-Challan application (to be developed under this project) etc. such that e-Challans can be generated by the system	Please share details of existing app.	API' of the applications to be integrated will be shared with the successful bidder
141	General	General	Requesting SCADL to share the quantity of Smart Parking sensors	Please refer the Price bid Document
142	Financial Bid corrigendum Page 4	Smart Street Lighting system ( As per technical and functional specifications): 4000 Poles	Please clarify whether these are existing poles or new poles to be erected. Are there two luminaires on every pole or one luminaire	Please refer to the Price bid for the scope of services under the Smart Street Lighting
143	General	General	Please clarify, For smart light, how many transformers are there and what is the rating of those transformers.	Please refer to the Price bid for the scope of services under the Smart Street Lighting

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
144	General	General	Please clarify, What is current power cabling structure of smart light (In case we have to lay power cable as well)?	Please refer to the Price bid for the scope of services under the Smart Street Lighting
145	3 Wi-Fi Hotspot at Public places Page 31 - Tender Document	Bidder must note that SCADL will procure APs in future of any make and model and it will be the responsibility of the current successful bidder to integrate such with current	We suggest to link it as responsibility of new purchaser to procure the AP after studying existing system for proper integration	Please refer Corrigendum 4
146	10.2 B) Operations and Maintenance (O&M) of the Project Pg 67, 68	The bidder shall depute the resources as per the requirements for carrying out the O&M Activity and maintaining the SLA. This is minimum indicative list of resources and based on actual requirements, the bidder may deploy any number of resources to meet the SLA. The SCADL shall not pay any cost for additional resources required to operate,	We request to that following resources should be removed during O&M phase: PM Operations, Tech. Manager network expert, CCC incharge, VMS s/w expert, Storage & backup engg, n/w engg, DB admin	No Change As per Corrigendum 2
147	3.2 A) System Integration Component Pg 21	Comprehensive Last mile connectivity (including supply, installation & commissioning of required material/hardware) between utilities and nearby Junction box (connectivity medium like CAT-6/fiber as per the feasibility study report) including supply of active	We understand that last mile cabling till bidders installed rack will be done by network laying vendors. Kindly confirm	All the electronics and passive components for the edge locations required for the successful running of the project is under the scope of the current RFP and has to be provided the successful bidder. The Connectivity RFP vendor will only terminate the Fibre/Ethernet Media at the rack and router installed by the successful bidder of this RFP
148	Page 138, point No. 12	Note: Requests (like password reset, firewall port opening, hardening, etc.) will be	Please clarify that Who will provide help desk portal?	The helpdesk portal is in the scope of the bidder

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
149	Page 137 point no 9	<p># Severity Initial Response Time Issue Resolution Time</p> <p>1 Level1 15 Mins 1 Hour</p> <p>2 Level 2 30 Mins 2 Hours</p> <p>3 Level 3 60 Mins 6 Hours</p> <p>4. Level 4 240 Mins 24 Hours</p>	<p>Requesting SCADL to kindly amend to</p> <p>:# Severity Initial Response Time Issue Resolution Time</p> <p>1 Level 1 30 Mins 2 Hour</p> <p>2 Level 2 60 Mins 4 Hours</p> <p>3 Level 3 90 Mins 8 Hours</p> <p>4. Level 4 300 Mins 24 Hours</p>	No change, As per Corrigendum 2
150	Tender Document, 10.1 Implementation timelines, Point no. 5,Page no. 50	During PoC successful bidder is required to deploy at least 50 AP's, CCTV camera-50 nos. with all systems (ANPR, RLVD, Speed Violation,) at the locations specified by AMC/SCADL.	<p>Requating SCADL to kindly calrify the following points:</p> <p>1.Clarity needed on backhaul availability for POC</p> <p>2.How internet bandwidth will be provided for testing</p> <p>3.What is bifurcation of 50 CCTVs</p> <p>4.We understand end to end CCC readiness is not expected as part of PoC</p>	<p>1.) Connectivity and Internet Bandwidth for PoC will have to be provided by successful bidder at specified location</p> <p>2.) CCTV PoC locations will be shared with the successful bidder</p>
151	Scope of Work & OEM support		<p>Kindly note that there is an ambiguity on the same because as per Page 16 and page 110 of the enclosed RFP it mentions that:</p> <p>Kindly clarify the duration for which the proposed equipment should not be declared End-of-Support by the OEMs i.e. 6 years or 7 years</p>	It is clarified that the proposed equipment's should not be declared End-of-Support by the OEMs or the next 7 years from the date of Bid Submission
152	Additional Clarification	<p>1.) The Solution asked under this RFP shall be executed as an EPC based Contract for the bidder to meet the outcome. The bidder may utilize the existing infrastructure such as Poles, Gantry, Lighting pillars, Fixtures etc. where ever available with the prior permission from AMC, the bidder in such cases will also have to make sure that such fixtures are not used in a destructive manner or effect the day to day functioning of any other work / service. In case no such infrastructure is available for the installation of the end points the bidder will have to erect install and utilize the same for the successful implementation of the project.</p>		

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
		2.) Controller need not be an Open source Controller, it can be a proprietary Controller, allowing AP's of all the OEM featuring in Latest available Gartner's Magic Quadrant		
		3.) Proof of concept: Marking criteria defined on Page no. 51 to 53- Stands removed		
		4) Item CCTV Sign Boards: The Display Message of CCTV Sign Boards Should be in Gujarati Language only.		
		5) Addition to clause 23.3, Page No. 118: The L1 Shall be calculated as L1 Price = {Sum Total of all the line Items i.e. Item no.1 to 33 and 35 to 125 of schedule I }+ (100* Total Cost of Item no. 34 of schedule I) + {O&M Charges as per Schedule II} Note: a) In future Scalability will be going to add more camera, so it is necessary to get the rationalize license cost such that their is no cross subsidization of price b) It is based on the premise that incremental cost of the license for the organization supplying the licenses is zero and therefore whatever is quoted is profit only.		
		6) Payment Terms are revised as below:		
		<b>Activity</b>		<b>Payment (%)</b>
		<b>1) Schedule I of Financial bid</b>		
		<b>A) Central Infrastructure</b>		
		Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse		50% of the Sum total of schedule I of financial bid
		Successful Installation, commissioning and FAT		30% of the Sum total of schedule I of financial bid
		Successful Completion of 6 months from the date of FAT		20% of the Sum total of schedule I of financial bid
		<b>B) End Devices, and Edge Locations Infrastructure</b>		
		Successful Delivery and Inspection of <b>each lot of 25 %</b> at the central location/ Bidder's Warehouse		60% of the Sum total of schedule I of financial bid
		Successful Installation, Commissioning & FAT of <b>each lot of 25%</b>		30% of the Sum total of schedule I of financial bid
		Successful Completion of 3 months from the date of FAT		10% of the Sum total of schedule I of financial bid
		<b>2) Schedule II (Operations &amp; Maintenance) of financial bid</b>		

#	Reference Sections	Content in the RFP requiring clarification	Queries	Response to Queries
		Operational & Maintenance support during the contract period of 5 years		20 equal Quarterly Installments after the end of each quarter.
		<ol style="list-style-type: none"> <li>1. Please refer to revised price bid and notes</li> <li>2. Technical specifications for Automatic Voltage Stabilizer and Surge Protection Power Strip is attached in Corrigendum 5 - Annexure 6</li> <li>3. For smart street lighting system, in technical specifications Surge Test as per IEC 61000-4-5 KV = 4KV. It has to be replaced with 10KV.</li> <li>4. The following line item to be added in Page No. 34, Section 6 of corrigendum 2 for Smart Street Lighting "The bidder is required to provide smart bracket for beautification purposes along with the LED luminaries for the Smart street lighting system. This smart bracket must be designed in order to enhance the visual appeal and give the street lighting along the BRTS corridor a smart look with suitable fabrication design of up to 15kg. The successful bidder is required to design these brackets based on the inputs from SCADL/AMC or its authorized representatives. The bidder is required to suggest designs to meet this requirement and the final design will be approved by SCADL/AMC or its authorized representatives prior to installation of the same."</li> </ol>		

**Annexure 1: Layouts - AMC CCC & DC, Police TCC & DC**

**A. AMC - GROUND FLOOR PLAN**



## B. AMC - FIRST FLOOR PLAN



### C. AMC - SECOND FLOOR PLAN





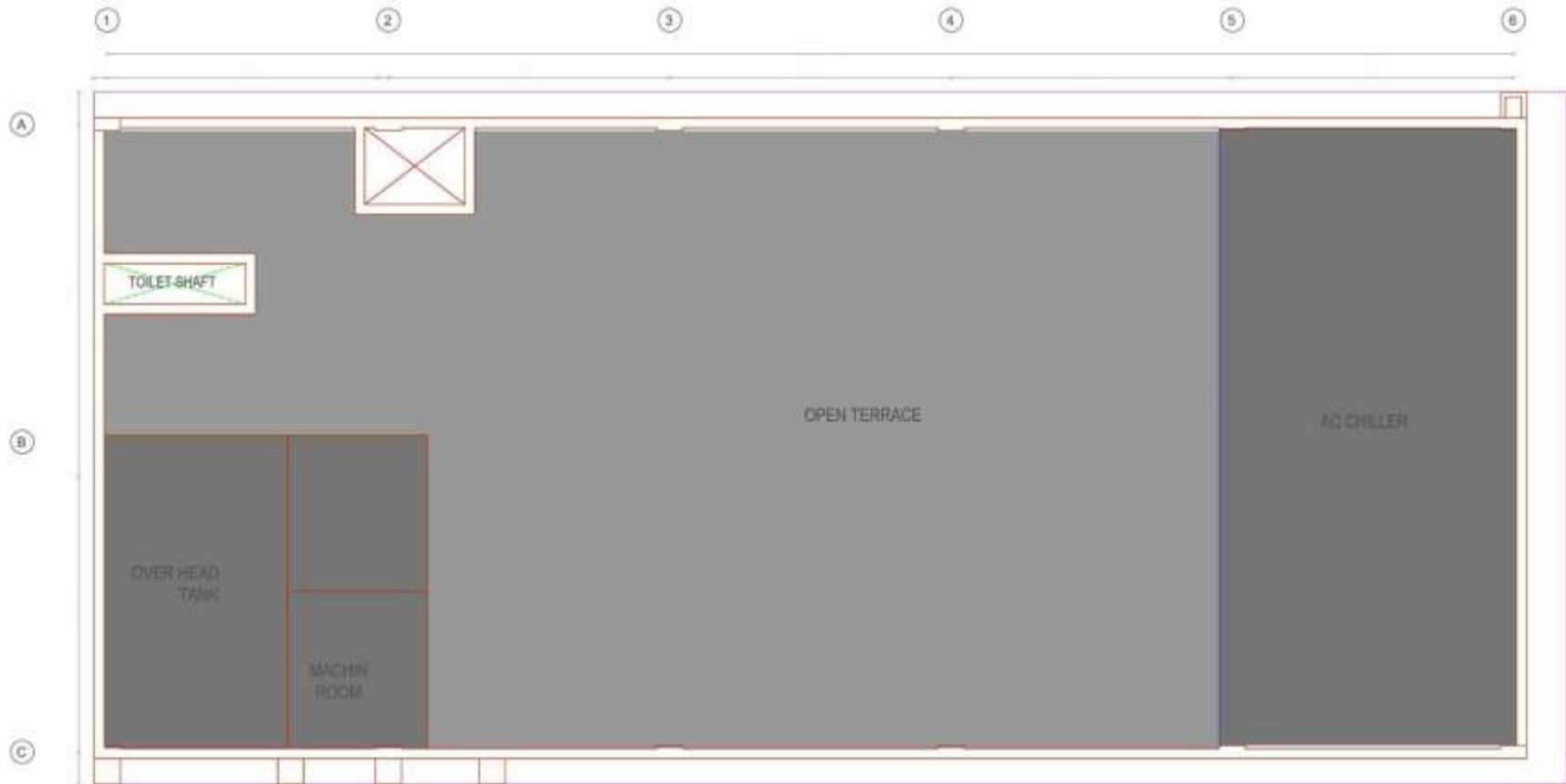
## D. AMC - THIRD FLOOR PLAN



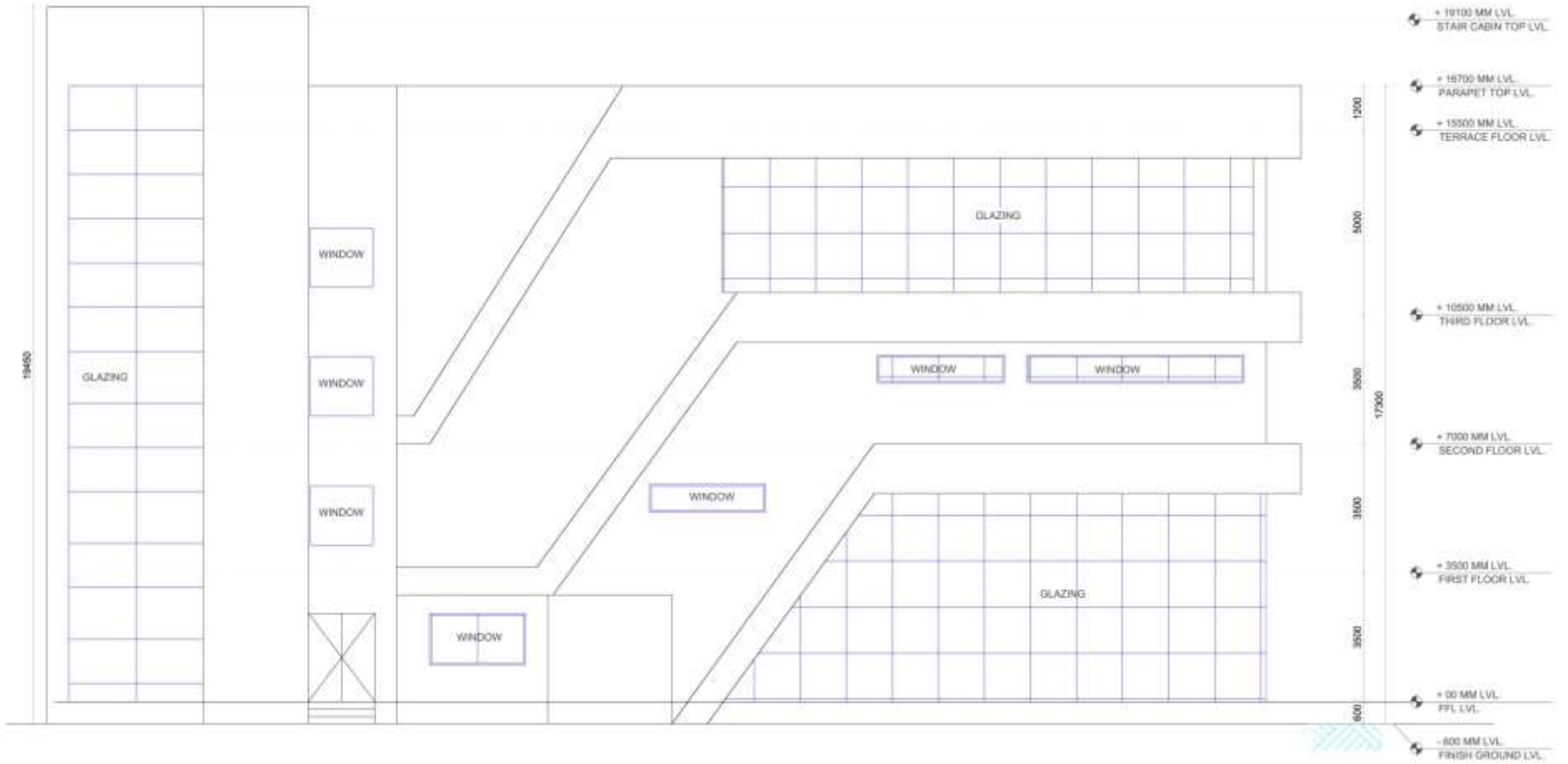
**E. AMC - TERRACE PLAN**



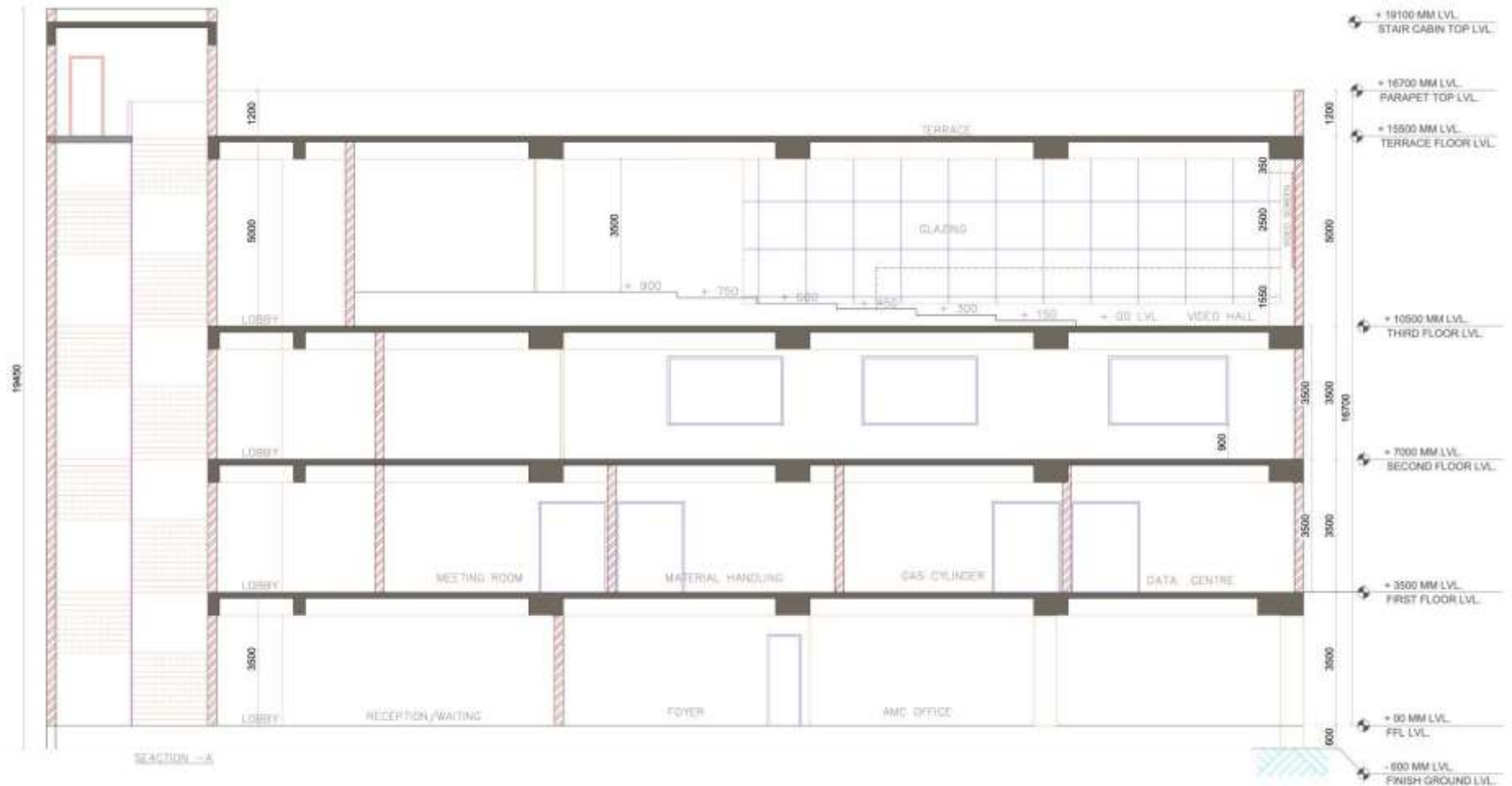
## F. AMC - MACHINE ROOM AND OHT PLAN



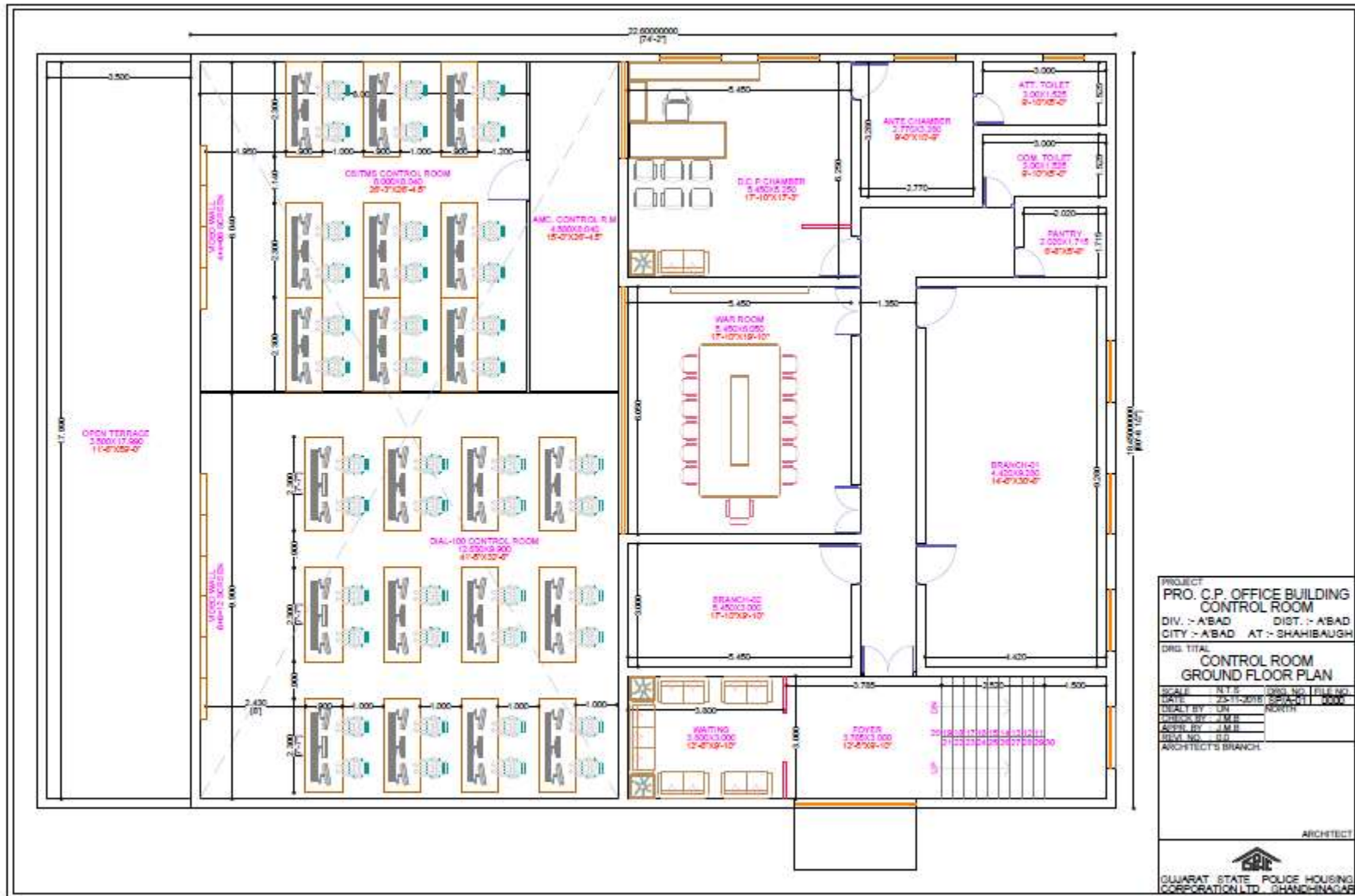
# G. AMC - FRONT ELEVATION



# H. AMC - SECTION



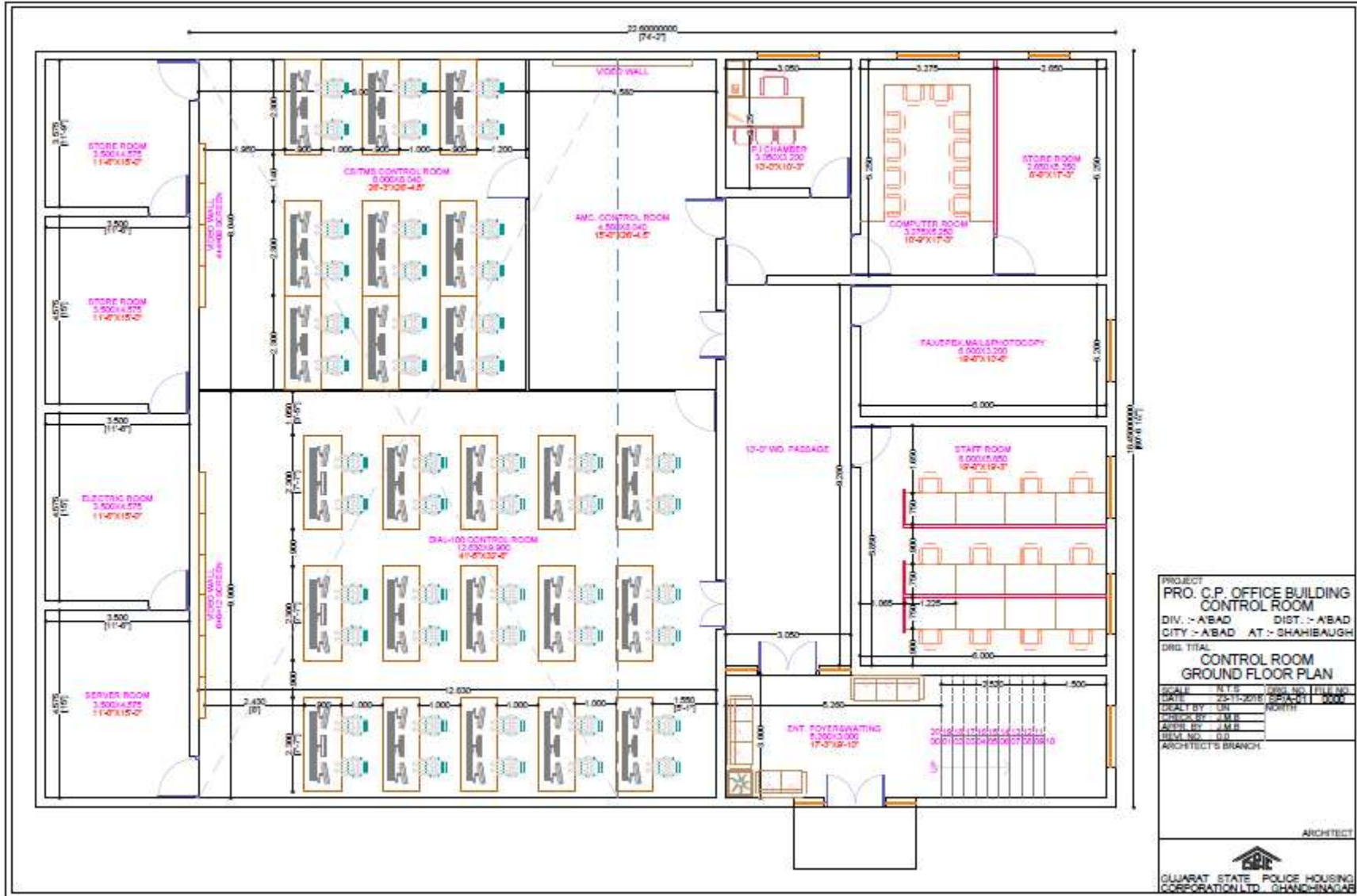
# I. Police Control Room First Floor



PROJECT  
**PRO. C.P. OFFICE BUILDING CONTROL ROOM**  
 DIV. :- A'BAD DIST. :- A'BAD  
 CITY :- A'BAD AT :- SHAHIBAUGH  
 DRG. TITLE  
**CONTROL ROOM GROUND FLOOR PLAN**  
 SCALE :- 1:10  
 DATE :- 25-11-2018  
 DRAWN BY :- J.M.B.  
 CHECK BY :- J.M.B.  
 DESIGNED BY :- J.M.B.  
 ARCHITECT'S BRANCH



# J. Police Control Room Ground Floor



PROJECT  
**PRO. C.P. OFFICE BUILDING**  
**CONTROL ROOM**  
 DIV. :- A'BAD DIST. :- A'BAD  
 CITY :- A'BAD AT :- SHAHIBAUGH  
 DRG. TITLE  
**CONTROL ROOM**  
**GROUND FLOOR PLAN**  
 SCALE: N.T.S. DRG. NO. FILE NO.  
 DATE: 20-11-2018 SHEETS: 0000  
 DESIGNED BY: J.M.R. ARCHT.  
 CHECKED BY: J.M.R.  
 APPROVED BY: J.M.R.  
 DESIGNED NO. 010  
 ARCHITECT'S BRANCH

ARCHITECT  
  
**GUJARAT STATE POLICE HOUSING CORPORATION LTD. GHANDHINAGAR**

## **Annexure 2: Existing Camera Details**

### **A. Police Surveillance Cameras**

CSITMS PTZ Camera: Infinova 1772 N

CSITMS ANPR Camera: Palco IXE 20DN

CSITMS Context Camera: Palco IXP11, IXP31

### **B. AMC Surveillance Cameras**

Model Number for Fix Camera: SNC - CH 240

Model Number for PTZ Camera: SNC ER 521, SNC ER 580



**Annexure 3: List of location wise Access Points**

#	Entity Type	Location	WiFi Aps
1	AMTS	Juna Vadaj AMTS Terminal	3
2	AMTS	Lal Darwaja AMTS Terminal	5
3	AMTS	University Bus stop	3
4	college	Khokhara Dental College	6
5	college	Nagari Hospital college	10
6	College	NHL Medical College	10
7	College	SCL Nursing College	10
8	College	Swanim Medical Cllege	10
9	Garden	Beti Bachao Garden, Nikol	4
10	Garden	Dhruv Public Park, Vastral gate	6
11	Garden	Flower Garden, riverfront	20
12	Garden	Gayatri Vatika Udhyan, Opp.Ambica Nagar School	5
13	Garden	Ghodasar Lake Garden	8
14	Garden	Kailash Van, Nr.Gor na Kuva, Maninagar (East)	5
15	Garden	Law Garden	10
16	Garden	Madhuvan Garden, Nr.Sugyan School, Viratnagar	5
17	Garden	Neharu Park Kubernagar Ward	7
18	Garden	Parimal Garden	15
19	Garden	Payal Garden Naroda Ward	5
20	Garden	Sad Guru Garden, Nikol	6
21	Garden	Shree Public Park, Nr.Khodiard Mandir	6
22	Garden	Subhash bridge garden, Riverfront	20
23	Garden	Usmanpura SRF Garden	5
24	Garden	Uttam Nagar Garden	6
25	Garden	Sardar Bag, Laldarwaja	10
26	Hall	Bodakdev Auditorium	20
27	Hall	Mangal Pande Auditorium	5
28	Hall	Tagor Hall	5
29	Hall	Town Hall	5
30	Hospital	LG Hospital	12
31	Hospital	SCL Hospital	6

#	Entity Type	Location	WiFi Aps
32	Hospital	VS Hospital	12
33	Lake	Kankariya Lake	25
34	Lake	Motera Lake	5
35	Lake	Vastrapura Lake	10
36	Library	MJ Library	10
37	Office	CZ Office, Danapith	50
38	Office	EZ Office, Viratnagar	25
39	Office	NWZ Office, Bodakdev	25
40	Office	NZ Office, Memco	25
41	Office	River Front House	10
42	Office	SZ Office, Maninagar	25
43	Office	WZ Office, Usmanpura	25
44	Sportx	Sardar patel Stadium	50
45	Sportx	Vir Savarkar Sports Complex	25

**Annexure 4: List of location for ATCS implementation**

#	Entity Type	Locations Name	Latitude	Longitude
1.	Junction/Cross Road	Panchvati Circle	23.022536	72.556215
2.	Junction/Cross Road	Ambawadi Circle	23.020857	72.553744
3.	Junction/Cross Road	Excise Chowki	23.022621	72.550328
4.	Junction/Cross Road	Nehrunagar Circle	23.022305	72.542826
5.	Junction/Cross Road	Azad Scociety Char Rasta	23.022510	72.540186
6.	Junction/Cross Road	Shivranjini Char Rasta	23.024365	72.530206
7.	Junction/Cross Road	Jodhpur Char Rasta	23.025644	72.526642
8.	Junction/Cross Road	Star Bazaar Char Rasta	23.026409	72.523343
9.	Junction/Cross Road	Ramdevnagar Char Rasta	23.027357	72.511683
10.	Junction/Cross Road	Iscon Char Rasta	23.027258	72.507417

**Annexure 5: CV Format for proposed key manpower**

1	Name of the Staff																	
2	Current Designation in the Organization																	
3	Proposed Role in the Project																	
4	Proposed Responsibilities in the Project																	
5	Date of Birth																	
6	Education	<ul style="list-style-type: none"> <li>▪ Degree / Diploma, College, University, Year of Passing</li> <li>▪ Degree / Diploma, College, University, Year of Passing</li> </ul>																
7	Summary of Key Training and Certifications	<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> </ul>																
8	Language Proficiency	<table border="1"> <thead> <tr> <th>Language</th> <th>Reading</th> <th>Writing</th> <th>Speaking</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Language	Reading	Writing	Speaking												
Language	Reading	Writing	Speaking															
9	Employment Record (For the total relevant experience)	<table border="1"> <tr> <td>From / To:</td> <td></td> </tr> <tr> <td>Employer:</td> <td></td> </tr> <tr> <td>Position Held:</td> <td></td> </tr> <tr> <td>From / To:</td> <td></td> </tr> <tr> <td>Employer:</td> <td></td> </tr> <tr> <td>Position Held:</td> <td></td> </tr> <tr> <td>From / To:</td> <td></td> </tr> <tr> <td>Employer:</td> <td></td> </tr> </table>	From / To:		Employer:		Position Held:		From / To:		Employer:		Position Held:		From / To:		Employer:	
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Employer:																		
Position Held:																		
From / To:																		
Employer:																		

		Position Held:	
10	Total No. of Years of Work Experience		
11	Total No. of Years of Experience for the Role proposed		
12	Highlights of relevant assignments handled and significant accomplishments (Use following format for each project)		
	<b>Name of assignment or project:</b>		
	<b>Year:</b>		
	<b>Location:</b>		
	<b>Client:</b>		
	<b>Main project features:</b>		
	<b>Positions held:</b>		
	<b>Activities performed:</b>		

## Annexure 6: Technical specifications

### A. Automatic Voltage Stabilizer

S/N	Parameter	Minimum Specification
1.	Device capacity	3 KVA
2.	Voltage Correction	Automatic, IC Controlled
3.	Input Voltage Range	130 V to 280 V
4.	Frequency Range	50 Hz +/- 5 %
5.	Output Voltage Range	200 V to 230 V, +/-5 %
6.	Efficiency	> 95%
7.	Protection/Cut off	Over Voltage and over Current Protection, Thermal and Electronic Overload
8.	Device Construction	Compact and modular construction for easy handling and servicing
9.	Power Outlets	4 Nos. Indian Standard power Outlets
10.	Operating Temperature	Ambient Temperature range. The bidder has to take into consideration of the internal temperature adjustment of the junction box

### B. Surge Protection Power Strip

S/N	Parameter	Minimum Specification
1.	Clamping Voltage	240 V
2.	Response time	<10 ns
3.	Energy Dissipation	Min 500 joules
4.	Max voltage Spike protection	Up to 400 Volts
5.	Max current Spike Protection	5000 Amps
6.	Cable	Heavy duty Cable of standard Length
7.	Operating Temperature	Ambient Temperature range. The bidder has to take into consideration of the internal temperature adjustment of the junction box