

Revised Request for proposal (RFP) for Selection of Implementing Agency (Cluster wise) for Supply, Installation, Commissioning and Operations & Maintenance of CCTV Video Surveillance System at various branches (LCB, SoG, cyber police station and LIB) and police stations working under Office of the ADGP (Technical services).

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1. Important Information

<p>EMD/ Bid Security</p>	<p>The Bidder will have to submit Earnest Money Deposit (E.M.D.) for each Cluster as mentioned in this bid document in a sealed cover at GIL office with the heading “EMD for GeM Bid No.” for Selection of Agency for Supply, Installation, Commissioning and warranty & Maintenance support of various Equipment’s for the Implementation of Video Surveillance System at various Police stations.</p> <p>a. Bidder has to provide separate EMD for each cluster bidder wants to bid for; bidder has to mention the name of the cluster on the envelope mentioning “EMD for ‘Cluster Name’”. All separate EMDs shall be kept in on one envelope mentioning EMD for GeM Bid No.” for Selection of Agency for Supply, Installation, Commissioning and warranty & Maintenance support of various Equipment’s for the Implementation of Video Surveillance System at various Police stations</p> <p>b. EMD as mentioned above, shall be submitted in the form of Demand Draft OR RTGS OR in the form of an unconditional Bank Guarantee (which should be valid up to validity of 9 months from the date of bid submission) of any Nationalized Bank (operating in India having branch at Ahmedabad/ Gandhinagar) in the name of “Gujarat Informatics Ltd.” payable at Gandhinagar (as per prescribed format given at Annexure C) and must be submitted along with the covering letter.</p> <p>c. Bidder has to submit Earnest Money Deposit in the form of Bank Guarantee as per below:</p> <p>“All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/4/2022/0002/DMO dated 20/05/2022 issued by Finance Department or further instruction issued by Finance department time to time”</p> <p>d. In case of RTGS, please find below bank details of Gujarat Informatics Ltd</p>
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	<p>Saving Account No: 50200010918090 IFSC Code : HDFC0000190 Bank Name: HDFC Bank Branch Address: Sector-16, Gandhinagar</p> <p>e. Please affix the stamp of your company on the overleaf of demand draft. f. EMD exemption will be applicable as per GeM GTC</p>
Performance Bank Guarantee (PBG)	5% of Order Value
Last Date of Submission of written queries on Bid document	Bidders can seek written clarifications up to 3 days before pre bid meeting by email to ddict-gil@gujarat.gov.in prakashd@gujarat.gov.in
Pre bid conference	Date and time is as per GeM bid document Venue: Gujarat Informatics Ltd., Block No. 2/2 Karmayogi Bhavan, Sector-10, Gandhinagar-382010

Note:

- a. Under the GeM portal, in case of custom bids, the OEM of the product having highest bid value is considered as primary OEM. However, in this bid, for evaluation purposes OEM of CCTV Camera shall be considered as Primary OEM.
- b. The tenderer requires 5 years warranty for each item (**Including** UPS batteries). Bidders shall quote the price for each item considering 5 years warranty support.

2. Cluster-wise EMD detail

The bidder may either quote for one Cluster and/or any number of Cluster or all the Cluster mentioned in bid document. Bidder has to quote all the items for the Cluster(s) they have selected to quote. Please note that bidder has to consider all districts/cities in a particular Cluster as mentioned in below table, while quoting the rates for the respective Cluster. Eligibility Criteria for quoting in any Cluster(s) or all Cluster is as per criteria mentioned in this bid; however, EMD has to be paid Cluster wise. Incomplete bids will be treated as non-responsive and will be rejected. If a bidder is refuses to accept the awarded clusters then the bid of that bidder will be summarily rejected and the EMD shall be forfeited. Cluster wise detail is as per below:

Cluster	Name of Range	Name of City/ District/SP/CP office	EMD Cluster wise
I	Commissionerate	AHMEDABAD CITY	Rs.2,50,00,000/-
	Ahmedabad Range	AHMEDABAD RURAL	
		ANAND	
		KHEDA NADIAD	
	Gandhinagar Range	ARVALLI	
		GANDHINAGAR	
		MEHSANA	
		SABARKANTHA	
	Godhara Range	DAHOD	
		MAHISAGAR	
PANCHMAHAL			
II	Commissionerate	RAJKOT CITY	Rs. 1,75,00,000/-
	Rajkot Range	DEVBHUMI DWARKA	
		JAMNAGAR	
		MORBI	
		RAJKOT RURAL	
		SURENDRANAGAR	
	Junagadh Range	GIR SOMNATH	
		JUNAGADH	
		PORBANDAR	
	Bhavnagar Range	BHAVNAGAR	
AMRELI			
BOTAD			
III	Commissionerate	SURAT CITY	Rs. 1,75,00,000/-
		VADODARA CITY	
	Surat Range	AHWA-DANG	
		NAVSARI	

		SURAT RURAL	
		TAPI	
		VALSAD	
	Vadodara Range	BHARUCH	
		CHOTAUDEPUR	
		NARMADA	
		VADODARA RURAL	
IV	Border Range	BANASKANTHA	Rs.80,00,000/-
		KUTCH- GANDHIDHAM (EAST)	
		KUTCH-BHUJ (WEST)	
		PATAN	

3. Eligibility Criteria

SN	Parameter	Eligibility Criteria	Supporting documents required
PQ.1.	Legal Entity	A company incorporated in India under the Companies Act, 1956 and subsequent amendments thereto or state Govt. body/central govt. body/multistate co-operative body/any PSU	Copy of Certificate of Incorporation and Copy of Memorandum of Associations (MOA), Articles of Association (AOA)
PQ.2.		Bidder should be an established IT / Telecom/ Security Surveillance Solutions System Integrator and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) or Data Centres for a period of at least three years as on bid submission date.	Copy of Work Orders or Client Certificates confirming year and area of activity should be enclosed.
PQ.3.	Financial Strength	<p>In case the bidder want to participate in one cluster, then bidder should have the minimum average annual financial turnover of Rs. 40 crore during the last three financial years (2018- 19, 2019-20 and 2020-21) or (2019-20, 2020-21 and 2021-22).</p> <p>In case the bidder want to participate in two clusters, then bidder should have the minimum average annual financial turnover of Rs. 80 crore during the last three financial years (2018- 19, 2019-20 and 2020-21) or (2019-20, 2020-21 and 2021-22)</p> <p>In case the bidder want to participate in three clusters, than bidder should have the minimum</p>	Certificate from the CA highlighting turnover along with the copies of audited Balance sheet for last three financial years.

SN	Parameter	Eligibility Criteria	Supporting documents required
		<p>average annual financial turnover of Rs. 120 crore during the last three financial years (2018- 19, 2019-20 and 2020-21) or (2019-20, 2020-21 and 2021-22).</p> <p>In case the bidder want to participate in four clusters, than bidder should have the minimum average annual financial turnover of Rs. 160 crore during the last three financial years (2018- 19, 2019-20 and 2020-21) or (2019-20, 2020-21 and 2021-22).</p> <p>Note:</p> <p>a. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.</p>	
PQ.4.		<p>OEM of the offered product (CCTV camera) should have the minimum average annual financial turnover of Rs. 200 crore during the last three years (2018- 19, 2019-20 and 2020-21) in India or Globally.</p>	<p>Certificate from the CA highlighting turnover along with the copies of audited Balance sheet for last three financial years.</p>
PQ.5.	OEM /Bidder Experience	<p>OEM/Bidder Past Performance: IP CCTV Camera OEM {themselves or through re-seller(s)}/ Bidder should have supplied same or similar Category Products i.e. 1000 IP CCTV Camera quantity single order, in at least one of the last three Financial years before the</p>	<p>Copy of work order and Completion certificate from Client on client letterhead</p>

SN	Parameter	Eligibility Criteria	Supporting documents required
		bid opening date to any Central / State Govt. Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year.	
PQ.6.	Blacklisting	Bidder should not have been blacklisted by any of the Government (Central or State), Semi-Govt & PSU in India for being involved in corrupt or fraudulent practices as on the last date of bid submission.	Self-Declaration Letter duly signed by authorized signatory on company letter head
PQ.7.	OEM Presence	OEMs of proposed equipment/components (CCTV Camera & VMS) 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 (5) years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered.	Copies of any two of the followings: Property Tax/ Electricity/ Telephone Bill/ GST Registration / Lease agreement
PQ.8.	Financial capability	The bidder must have positive net worth and should be Profit making in any three financial years out of last four financial years (2018- 19, 2019-20 , 2020-21, 2021-22)	Audited and Certified Balance Sheet and Profit/Loss Account of any 3 Financial Years out of last four financial years (2018- 19, 2019-20 , 2020-21, 2021-22) should be enclosed. Statutory auditors/ CA certificate mentioning net profit of the bidder should be enclosed.

SN	Parameter	Eligibility Criteria	Supporting documents required
PQ.9.		The bidder must have one registered office in Gujarat (Ahmedabad / Gandhinagar) and Service centers in any one city of each cluster area (in which bidders wish to participated) or if office is not available Bidder has to give undertaking that he/she should setup it 45 days from the award of work order	Copies of any two of the followings: Property Tax/ Electricity/ Telephone Bill/ GST Registration / Lease agreement or undertaking

Note: Eligibility Criteria mentioned under this document will be considered for evaluation. Eligibility Criteria selected under GeM will not be considered for evaluation.

4. Scope of Work and Terms and Conditions

3.1. Introduction

Home Department, Govt. of Gujarat through office of the ADGP (Technical Services) has already implemented Police Station CCTV project in around 622 Police Stations across the State of Gujarat. Under this project, Home Department has appointed M/s Godrej & Boyce Limited & M/s Wipro Infotech Limited as a System Integrator for implementation of CCTV systems & other related IT equipment at Police Stations across the State of Gujarat. Currently, the CCTV systems & other related IT equipment are under warranty up to year of 2023 with both the appointed System Integrators.

Now, since beginning of that project, around 127 more police stations have been created. Also, there is a need for implementation of surveillance solutions at around 130 branch offices (Police Stations, Special Operations Group, District Crime Branch, Local Crime Branch, and Local Investigations Bureau) across State of Gujarat.

Apart from that, Hon'ble Supreme Court has passed on a judgment on 02/12/2020 which says that "CCTV cameras must then be installed with such recording systems so that the data that is stored thereon shall be preserved for a period of 18 months".

Hence, the department now wants to implement CCTV camera based surveillance system in its newly constructed police stations & branch offices (SOG, DCB, LCB, LIB, Cyber Police stations) and replacement of existing CCTV camera based surveillance system at various existing police stations with latest technology and upgradation of storage capacity to store 18 months of video recording and footage as per Hon'ble supreme court's order.

Office of the ADGP (Technical services) intends to invite bids for following major tasks/scope of work in this bid:

1. At existing Police Stations:

Home department has already installed 9, 10, 14 or 15 cameras at Police Stations, based on size and location of the respective Police Station. In addition to this the department intends to implement following at existing Police Stations:

- a. Replacement of existing camera and installation of Addition of 4 nos. of CCTV cameras and related hardware at each of the existing police stations,
- b. Replacement of existing CCTV surveillance system with new state-of-the-art system, along with buyback of existing CCTV surveillance system (Except, Display unit, rack, patch panel, pole, cabling and pvc conduit.). The existing cable will remain the same as it is with its conduit. For the installation of additional 4 nos. of cameras, the bidder has to lay out the cable in the proposed conduit. The estimated cable and conduit required for the same have been incorporated in the price bid. Bidder has to take care of the existing network at the time of installation. During the installation, if the existing cable will be damaged by the selected bidder. Then, the bidder has to restore the same without any additional cost. In case, considering the network port adjustment in the network switch & it is required to use additional cable, then the additional cost for such extra work for installation of cable and conduit will be paid on actual based on finalized rate

- under this bid.. Further, bidder can take existing cameras & server after 3 Months from the date of installations.
- c. Supply, Installation, warranty support, and O & M of of CCTV cameras, NVR with 1 Month storage capacity with required accessories at existing police stations and at SP office to store video footages for 18 months period.,
 2. **Installation of new CCTV cameras** and related accessories in newly constructed police stations and various branch offices (Police stations, LCB, SOG and LIB) across the state
 3. **Operations and Maintenance** of entire CCTV camera surveillance system for 5 years from date of Go-Live.

The newly constructed police stations, branch offices (police stations, LIB, SOG & LCB) & existing police stations count is as below:

Newly constructed police stations	Various branch offices (LIB, SOG & LCB)	Existing police stations
127	130	622

The detailed information about existing police stations, newly constructed police stations and various branches (DCB, LCB, SOG and the LIB) cluster wise has been provided in **Annexure**.

The Bidder under the scope of work in this RFP is envisaged to design the solution including but not limited to Supply, Installation and Commissioning of Equipment's/hardware, software required for the successful Implementation and operations of Video Surveillance System at various branches (LCB, SoG and LIB) and police stations (herein after referred to as the "SITE"), on behalf of the Office of the ADGP (Technical Services), Government of Gujarat (herein after referred to as the "TENDERER") as per the functional and technical specifications, scope of work mentioned in this Bid document. The bidder shall be responsible for implementation of the work as defined in the bid document.

Software/s deployed under this project should be supplied with required OEM support for software updates/patches/upgrades during the contract duration and licenses should be valid perpetual for life.

Bidder is also responsible for all the components like networking devices, LAN/CAT6/Electrical cabling including laying, tagging and ducting, earthing, Surge protection device, power backup, network & architecture design, Racks and accessories, PC's availability of the system, indoor/outdoor IP cameras, Server, storage or server with inbuilt storage and any other devices/accessories like mounting bracket, pole etc. required for the successful running of envisaged solution. Bidder is responsible to implement CCTV camera and related hardware as per Hon'ble Supreme Court special Leave Petition (Criminal) No 3523 of 2020 under order dated 02.12.2020.

This is a Turnkey/EPC kind of project. Wherein, bidders are required to propose an appropriate solution to meet the outcome envisaged. Tentative solution and minimum

technical specifications have been mentioned in this RFP, however, the bidder is free to provide a better solution and propose any other additional components needed to meet the requirements and SLAs mentioned in this RFP. The TENDERER will not be liable for payment of any additional cost outside of the Financial bid.

Quoted items are required to be offered with 5 (Five) years OEM warranty. All equipment including material to be installed by the Bidder shall be new. The bidder should submit OEM’s confirmation that the Products quoted are not end-of-life for the further period of 2 years and end of support for 5 years from the date of authorization or Bidder must supply similar product from same OEM with same or higher specifications. All equipment shall conform to the codes, standards and regulations applicable and benefit from the usual manufacturer’s guarantees.

The scopes of work mentioned in this section are minimum requirements. Bidders may propose a better or more optimized solution that meets the outcomes specified in this RFP. Also, Bidders are advised to carry out their own assessment of requirement before submission of the response to this bid. Anything which is missing in this section but required for successful execution of the project shall be provided by the Bidder without any additional cost.

3.2. Key Outcomes of the project

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, pillars, Fixtures etc. where ever available with the prior permission from TENDERER, 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 functions 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

Key outcomes expected out of this project are as below:

S. No.	Key Outcomes	SLA Target for the outcome
1.	Continuous running of cameras at each Police Station / branch offices.	99.5%
2.	Continuous recording of Video and Audio through all of the cameras at each Police Station / branch offices.	99.5%
3.	Storage and retrieval of Video and Audio recordings for 18 months	99.5%

3.3. Replacement of existing CCTV cameras system along with enhanced storage capacity at existing police stations

- a. Home Department has implemented Police Station CCTV project in the Police Stations across the State of Gujarat. Under this project, Home Department has

appointed M/s Godrej & Boyce Limited & M/s Wipro Infotech Limited as a System Integrator for implementation of CCTV systems & other related IT equipment at Police Stations across the State of Gujarat. Currently, the CCTV systems & other related IT equipment are under warranty up to year of 2022/23 with both the appointed System Integrators.

- b. The details of equipment installed in the Police Stations are broadly divided into following two categories:
 - Police Stations with 9/10 Nos. CCTV Camera Setup
 - Police Stations with 14/15 Nos. CCTV Camera Setup
- c. The successful bidder must replace existing CCTV surveillance system with new state-of-the-art system, along with buyback of existing CCTV cameras, servers and UPSs.
- d. Existing cabling, pole, racks, patch panel, information outlet (IO), etc. installed for existing cameras can also be used for installation of new cameras.
- e. Bidders must install 4 nos. of additional CCTV cameras at each of the existing police stations. These 4 nos. of camera will be installed majorly at following tentative location:
 - Police Inspector office
 - Police sub inspector office
 - Outside of male and female washroom area
 - Other location as decided by concern authority.
- f. Bidders must use existing LAN, , Display, rack, pole and other available equipment under the existing setup. For installation for 4 nos. of camera bidder shall use new cat6 cable, the required cabling qty. has been considered under BoQ.
- g. Bidders need to replace existing server with NVR at existing police stations.
- h. Cost for the new cameras and other equipments will have to be quoted considering buyback price of existing infrastructure.
- i. The detail about existing equipment is as per **Annexure E**:
- j. Bidder has to include the cost of CAMC & operations and maintenance of the equipment if used from existing equipment like , cable etc. as per annexure E of RFP.

3.4. Camera installation in various branches (SOG, DCB, LCB, LIB, Cyber Police stations) and new Police Stations

- a. The branches (SOG, DCB, LCB, LIB, Cyber Police stations) and new Police Stations do not have any CCTV camera surveillance system installed. The bidder needs to install state-of-the-art CCTV camera surveillance system at these locations.
- b. Following major locations to be covered under surveillance through CCTV camera under police station:
 - Male Lockup room.
 - Female lockup room.
 - Complaint register interface.
 - Citizen services interface.
 - License, passport verification room.

- Entry/exit of police station.
 - Visitor passage.
 - Police Inspector office.
 - Police sub inspector office.
 - Outside of male and female washroom area.
 - Entry/exit of police station campus gate.
 - Police Inspector office
 - Police sub inspector office
 - Outside of male and female washroom area
 - Other location as decided by concern authority.
- c. Successful bidder will be carrying out a survey and suggest changes in the BoQ towards the implementation of CCTV surveillance system in such a manner that, all the locations shall be covered as per the guidelines issued by the Hon'ble supreme court.
- Note:** The installation of CCTV cameras should not be considered at various branches offices like LCB, SoG, and LIB where there are no above mentioned areas like lockup room, License, passport verification room, etc.

3.5. General Requirements for IP Video Surveillance / CCTV System at all police stations (existing and new) and branch offices (SOG, DCB, LCB, LIB, Cyber Police stations)

- a. The Scope of complete work would broadly include Survey, Design, Engineering, Supply, Testing, Installation, Commissioning, PoC, Site Acceptance Test, Training, Documentation, Warranty and Maintenance during the contract period.
- b. Supply, Installations, Testing & Commissioning of High-performance IP based video surveillance system with cameras having built-in web browser, remote access and remote management, along with recording and storage solution.
- c. During the installation, the camera lens position must be adjusted to get the desired view in the specific location.
- d. All types of IP cameras must have inbuilt **mic and connectivity option for** external mic from day 1. Bidder should ensure that audio recording should happen along with video on storage device from day 1.
- e. The cameras should be configured with a suitable IP address as per the IP addressing scheme in the various branches (LCB, SoG and LIB) and new police stations.
- f. The camera should be configured in such a way that images and video feeds can be identified distinctively/easily.
- g. The cameras should be configured for automatic day / night display, so that without manual intervention, camera switches to night mode when the light condition is less.
- h. All hardware should be heavy durable, industrial grade products equipped for long life and high performance.
- i. All the monitors should be high end commercial displays along with IP protection for 24*7 longer run.
- j. Data must be highly secured with high level encrypted protection both in LAN and WAN.

- k. All the products will be backed up with high protection using online UPS and surge protectors Device.
- l. All the Connecting cables should be UTP (23AWG) & fireproof/fire retardant outdoor type cable equipped for high durable application.
- m. The NVR at police stations must have capacity to store video footages for 01 month period. The NVR should be capable of recording both video and audio. The NVR or VMS should be able to transfer the video and audio footages automatically to the central storage located at respective SP office. In case of connectivity is lost, the NVR or VMS should be able to transfer the video footages automatically (without manual intervention) from the connectivity failure point / time, once the connectivity is restored.
- n. The bidder needs to ensure that the video and audio footages shall be stored at SD card at camera level. In case of any failure in LAN, network switches, NVR, etc. at local police station level, then the recorded footages of SD card installed at camera level, shall automatically be transferred to NVR once the connectivity is restored.
- o. The bidder needs to ensure proper quality and availability of video and audio footages.
- p. The connectivity at each of these police station locations shall be provided by the tenderer.
- q. Bidder should provide the remote monitoring facilities of the respective police stations to 40 SP/CP offices across Gujarat. Tenderer/Department will provide the required bandwidth and hardware for the same, Bidder has to provide necessary software with required license and Bidder has to use existing hardware available at SP office for remote monitoring. Bidder has to include the cost of AMC & operations and maintenance of the equipment used for the same while quoting the commercials. The existing equipment used for remote monitoring at 40 SP offices across Gujarat is as per following:
 - At 16 nos. of SP office available existing equipment - Server-Dell Optiplex-2020, Display- 42"LG-42LX530CTA, 1KVA UPS.
 - At another 24 nos. of SP office available existing equipment – Server- HP
- r. The Successful Bidder will be responsible to make the system entirely operational for its intended use, by addition of components specific to its make/model even if not specifically mentioned in the BoQ. Also, latest versions of software and applications shall be provided by the Successful Bidder, as applicable at the time of execution and commissioning.
- s. This shall include suitable brackets for mounting the cameras, weather-proof enclosures, fixtures, cables, connectors & any other devices/ peripherals required for the proper functioning of installed cameras.
- t. The Successful Bidder must furnish working drawings, solution design document and as-built drawings, which shall be an essential component of commissioning.
- u. The storage should be designed, supplied, implemented and configured by using latest video compression technology. The storage defined in the RFP is given for reference purpose only. However, the solution should be capable to store & retrieve feeds of all the CCTV cameras in respective sites/Locations for the last 18 months along with the

- earmarked/flagged feeds by the TENDERER without any additional cost to the TENDERER.
- v. All the licenses procured, deployed by the bidder for this bid should be in the name of TENDERER and valid perpetual for life.
 - w. The bidder must make provision of Toll-free No. for registering Complaints/ help desk software facility SMS facility to get alert on registered Mobile no. for showing complaints status to respective officer. SMS generated by the NMS or integration of SMS gateway will be for Cluster1 bidder, however the Toll free number and helpdesk requirement is for each cluster bidder
 - x. Bidder (who wise to participated in cluster -I) have to provide centralize help- desk System along with facility of Asset management, Network Management, Health Monitor, Services management. Bidder has to quote rate considering the cost of the same in cluster-I. Cluster-wise remote logging console of the centralized helpdesk will be given to the respective cluster's bidder. SLA will be monitored by respective cluster's bidder
 - y. Bidder should have sufficient manpower to resolve the complaints. Bidders must ensure that, during the warranty period the CCTV cameras and related accessories will be repaired in time bound manner.
 - z. Bidders must ensure that, proposed cameras in the bid should be integrated with various surveillance projects implemented (like VISWAS project, CSITMS, Smart City etc.) in the State Govt. as & when required. (Proposed VMS should be Integrated with other CCC application platforms running in the state as as when required)
 - aa. Bidders must install the required software (VMS) in the servers of the SP offices so that any camera footage or playback can be viewed
 - bb. Bidder must install NMS in the server at central location so that and health can be monitored from these centralized locations. Cluster-wise remote logging console of the centralized helpdesk will be given to the respective cluster's bidder. SLA will be monitored by respective cluster's bidder.
 - cc. ONVIF – VMS & NVR should have support of ONVIF so that all ONVIF supported Cameras can be mapped in the system for Live viewing, Recording & Playback along with Alert based recording & snapshot.
 - dd. ANR – NVR & Cameras must have support of ANR functionality so that recording on SD card of camera should automatically start if any interruption in communication between Camera & NVR. Also, once the connectivity established, all the recorded video in SD card should be backed up in local NVR in same format.
 - ee. Display – NVR should have direct display option through HDMI & VGA/DVI interface.
 - ff. Channels – There should be minimum 16/32 camera channels support (as mentioned in BOQ) from day 1 in all NVRs and if required in future same can be increased by 25% in same hardware without any up-gradation of Hardware.
 - gg. RAID –Storage must have support of RAID 5, RAID 6 & Hot Spare from day 1 so that minimum 2 hard disk backup should be there to protect storage in case of any hard disk failure. Minimum requirement of 2 Disk back up. But it is must to have Hot spare with both RAID 5 and RAID 6 Functionalities should be supported
 - hh. RPS – Server and Storage must have redundant power supply from day 1 to avoid power supply failure.

- ii. Bandwidth –Server and Storage must have proper throughput with sufficient incoming bandwidth so that there will be no performance issue if multiple processes are there like recording, playback, live view etc.
- jj. USB Interfaces –NVR, Server and Storage should have support of USB ports so that can take the backup of desired recording clips directly through NVR, Server and Storage whenever required.
- kk. Protocols – NVR, should have support of all the required protocols for the solution such as IPv4, IPv6, TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, ICMP, DNS, NTP, SNMP, FTP, etc.
- ll. Compression – Should have support of minimum H.265 video compression & G.711 audio compression from day 1 in all Camera, NVR & VMS.
- mm. Analytics – VMS, NVR or CAMERA should have support of following analytics from day 1 – Motion detection, Tempering/Masking, Loitering, Missing Object & Abandoned Object.
- nn. Cloud – VMS, Server and Storage should have support for Centralized cloud integration supported from day 1. It should support of cloud for future integration with the customer’s own cloud.
- oo. Audio and video recording facility, remotely audio and video monitoring support
- pp. The Performance of the system should not degrade while simultaneous video retrieving, monitoring, searching and other processes.
- qq. Server OEM/ Bidder must provide undertaking on their company letterhead signed by their authorized person to provide 24x7 comprehensive onsite warranty services directly by OEM/ Bidder engineers across all police stations in Gujarat.
- rr. **Functional requirement from Storage OEM**
 - i. Storage OEM/Bidder must configure the storage system with distributed spare capacity and not standalone dedicated hot spare for better fault tolerance and faster data rebuild in the event of drive loss in RAID group. In case of drive failure, the replacement drive when inserted in the failed drive slot must get automatically added to the disk group without manual intervention to completely rule out the need to reconfigure the storage system.
 - ii. Storage OEM/ Bidder must provide undertaking on their company letterhead signed by their authorized person to provide 24x7x4 comprehensive onsite warranty services directly by OEM/ Bidder engineers across all police stations in Gujarat.
- ss. At various branches (LCB, SoG and LIB) and police stations each site will have local monitor for display. Local locations will have only privileged user access which can have control of video monitoring, play back and video retrieval on emergency. In Future, there will be a monitoring and management console on central location and all the configuration of video recorder and cameras are managed from central location can be possible. It should be supported that; the video footage of local site can also be retrieved from central location or SP office if require.

3.6. Control Center/monitoring room at various branches (SOG, DCB, LCB, LIB, Cyber Police stations) and Police Stations

- a. This shall include the supply, installation, testing, commissioning and O&M of active and passive components like system, storage, Monitors, network switches along with cabinets, enclosures, fixtures, cables, connectors and any other devices, peripherals required for the proper functioning of various components. The bidder is also responsible for necessary electrification of all the devices including all accessories in the control center. The Control center will be in a separate room within the same campus or as decided by respective office of the TENDERER. **At control room, nearest electric points will be available. Bidder is responsible for necessary electrification from this nearest electric point. No extra cost shall be paid for this kind of electrical works**
 - b. Actual power/electricity required will be provided by TENDERER. However, extension till the last mile/actual utility will be in the scope of successful bidder. Further the Recurring Electricity charges under the project shall be paid by the TENDERER.
 - c. The images, video feeds displayed on the monitoring displays, should display the camera ID for identification.
 - d. The Control Room shall have Display, Server, storage or Server with inbuilt storage, networking devices as per the requirement and scope of work for monitoring the same.
 - e. The successful bidder will be responsible for the integration of the Cameras with the proposed solution for recording of video feeds. The solution should be configured in such a way, so that the video feeds would be kept for 1 Month. After 1 Month, the video feeds would be overwritten unless it is flagged or marked by the appropriate authority for investigation or any other purpose.
 - f. All camera recordings will happen at Local and Secondary storage at SD card inside camera, incase local recording is not functional at the given time then, the recording shall happen on the SD card and an incremental backup shall be pushed towards the Local Recording with Raid Technology enabled.
 - g. The connectivity at each of these various branches (SOG, DCB, LCB, LIB, Cyber Police stations) and Police Stations, it shall be responsibility of the bidder to co-ordinate with connectivity vendor, log the complaints related to connectivity and follow up with the respective vendor for complaints resolution.”

3.7. Recording and Monitoring at SP/CP office level

- a. This shall include the supply, installation, testing, commissioning and O&M of active and passive components like server, storage, Monitors, network switches, cooling rack with UPS, along with cabinets, enclosures, fixtures, cables, connectors and any other devices, peripherals required for the proper functioning of various components for Recording and Monitoring at SP/CP office level. The bidder is also responsible for necessary electrification of all the devices including all accessories in the control center. The Recording and Monitoring room will be in a separate room within the same campus or as decided by respective office of the TENDERER.

- b. The department shall provide the required space for setting up Recording and Monitoring room at SP/CP level.
- c. Actual power/electricity required will be provided by TENDERER. However, extension till the last mile/actual utility will be in the scope of successful bidder. Further the Recurring Electricity charges under the project shall be paid by the TENDERER.
- d. All the video and audio recordings / footages shall be stored for 18 months at SP/CP level. The bidder has to ensure that all the video and audio feeds are transferred from respective police stations & branch offices and are stored, as per Honorable Supreme Court's order, for atleast 18 months at SP/CP level.
- e. The tentative indicative storage requirements have been given in **Annexure - D**. However, Bidders are advised to carry out detailed assessment of the storage requirements to store feeds for 18 months. Any additional storage requirement for the same during the contract period shall have to be managed by the bidder at no additional cost to the tenderer.
- f. The manpower deployed at SP/CP office level shall be responsible for monitoring day-to-day recordings, storage and retrieval of video and audio footages. Detailed responsibilities of the deployed manpower are given in section 3.9 below.
- g. Any additional tool / manpower required to ensure quality, availability and retrieval of the video and audio footages shall be provided by the bidder at no additional cost to the tenderer.
- h. The connectivity at each of these SP/CP office locations shall be provided by the tenderer. However, it shall be responsibility of the bidder to co-ordinate with connectivity vendor, log the complaints related to connectivity and follow up with the respective vendor for complaints resolution.
- i. Some of the branch offices (SOG, DCB, LCB, LIB, Cyber Police stations) are within the campus of SP/CP office. The bidder shall have to setup LAN connectivity between such NVR at branch offices and Recording and Monitoring room at the SP/CP office.

3.8. Centralized Network Health and Performance management at HQ level

- a. Successful Bidder under the cluster-I is responsible for supply, installation, testing, commissioning of Network Management System at state central for network health and performance monitoring of entire project for the project duration.
- b. Successful Bidder under the cluster-I is responsible for co-ordinate with other cluster's successful bidder & integrate the respective hardware of other cluster with Centralized Network Health and Performance management at HQ level
- c. Health monitoring and management of all the Cameras, Servers, NVR, Storage, etc. will be performed by the bidder. Bidder shall provide the solution that shall provide future scalability of the whole system without major architectural changes.
- d. All Network device health and performance management will be performed.
- e. Minimum indicative specifications of NMS, configuration of the servers have been mentioned in the specifications sheet. However, Bidders are advised to carry out

detailed assessment of the requirements to perform Cameras, Servers, NVR, Storage and network health and performance management. Any additional tools / manpower requirement for the same during the contract period shall have to be managed by the successful bidder of cluster-1 at no additional cost to the tenderer.

- f. Bidder should be responsible for if any hardware/ software will be required for integration of other clusters. (If different clusters will have different connectivity).
- g. Instant alerts should be generated to the representative if any device is down and escalated to multiple authorities. Weekly, monthly and other reports required for SLA monitoring should be generated automatically for performance management.
- h. The proposed Centralized Network Health and Performance management system should be monitored remotely from all cities/district mentioned above

3.9. Multiple layer Monitoring and Video management system support

- a. Local 24/7 monitoring at police station of all cameras.
- b. Second level monitoring at SP office of respective Police stations.
- c. Third level monitoring at state central all locations overviews shall be supported.
- d. All live video monitoring over WAN will be optimized based on available bandwidth.

3.10. Tentative layout and High Level Architecture

Below diagram depicts broad level proposed architecture. The bidder may advice better solution to meet the project objectives.

Figure 1: Tentative layout at Police Station

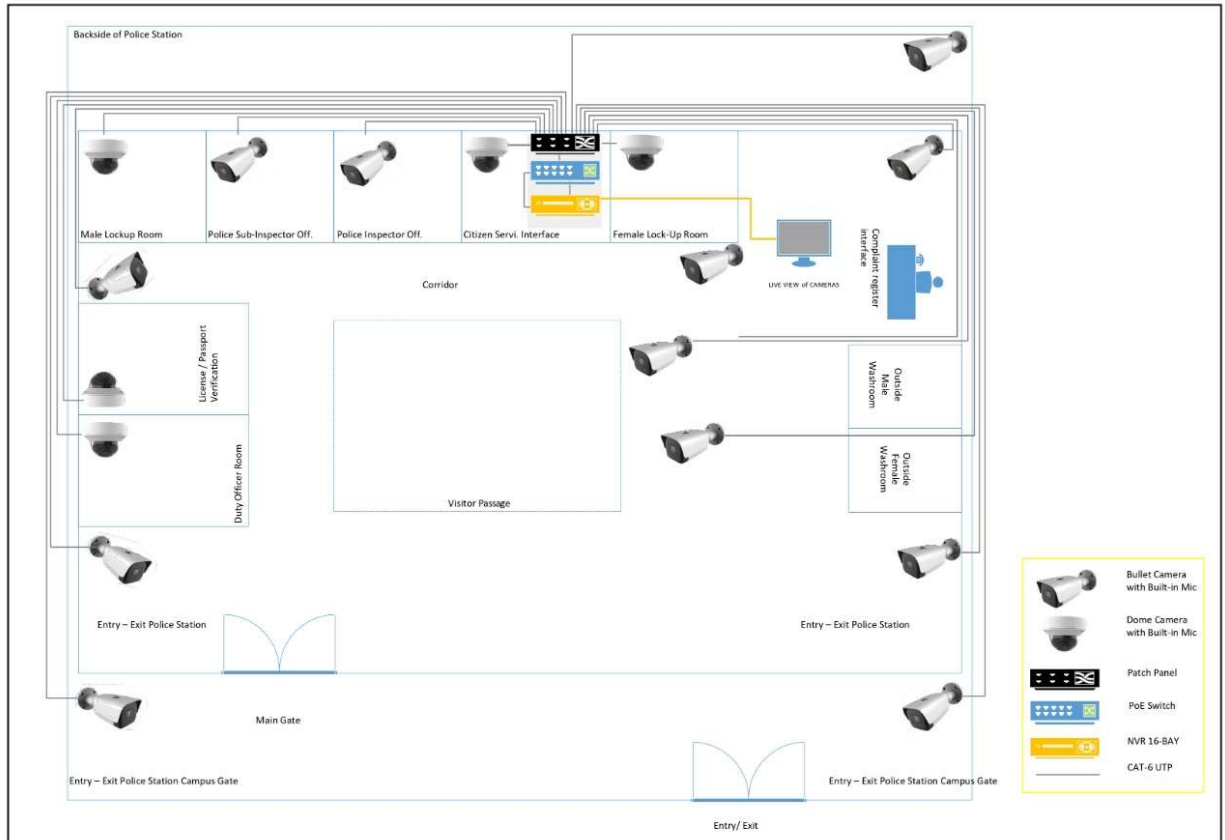
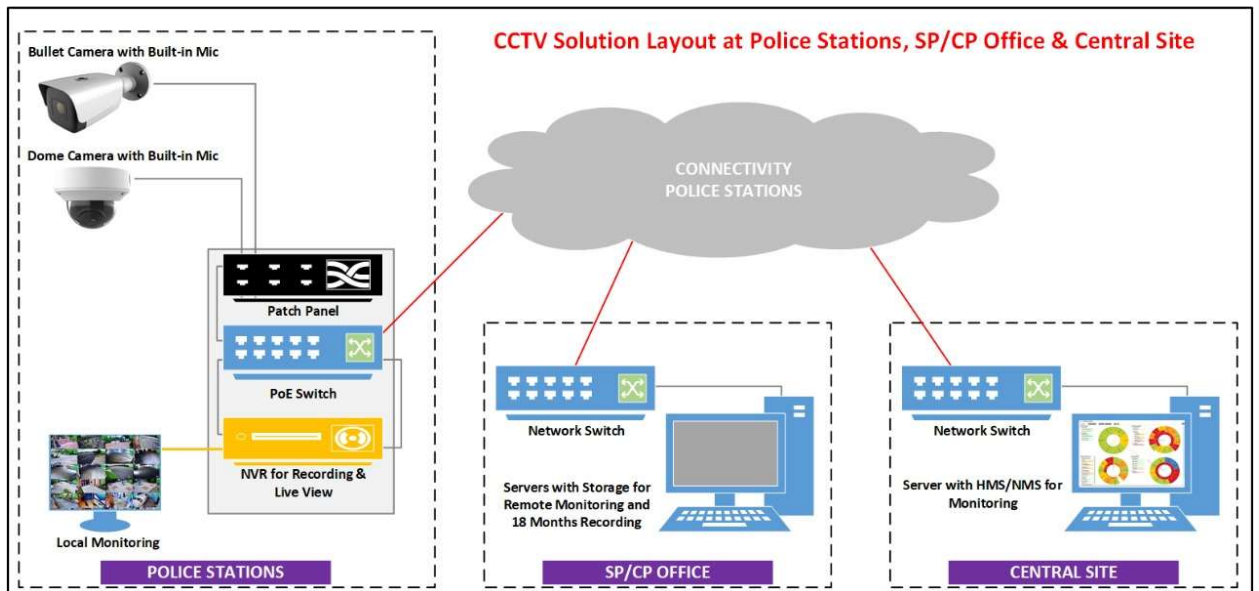


Figure 2: High Level Architecture



3.11. Operations and Maintenance

a. Maintenance, Service and Support:

- i. The bidder shall be responsible for providing required maintenance, service and necessary onsite support/OEM support for the entire contract duration from the date of successful completion of installation and commission /Final Acceptance Testing (FAT). The bidder shall do and perform the monthly and regularly preventive maintenance as part of the maintenance activity. It shall be the bidder's responsibility to replace any defective parts/ equipment's without any additional cost to the TENDERER. The defective part so replaced shall be the property of the bidder. The bidder shall keep enough spares at the SITE location/its own location during warranty and maintenance period to meet SLA parameters and the cost for the spare-parts are to be borne by the bidder. The bidder is expected to transfer the knowledge to the TENDERER or its nominated Technical Team.
- ii. Bidder is required to keep some spares during contract period to provide immediate replacement during warranty period.
- iii. Bidder must provide 40 nos. of Spare of quoted IP Camera, 8 nos. of Spare of Quoted Server, 8 nos. of Network Switch and supporting cable accessories. Spare stock should be provided at each cluster in Gujarat. So, that Police Station level replacement can be done by shortest possible time.
- iv. All the Networking equipment and spares shall be kept in good working condition and shall be repaired or replaced. In case of any equipment which is under warranty the bidder would ensure that all equipment's are repaired/ replaced.
- v. All the electrical equipment and accessories, backup power sources, plugs, wires etc. shall be maintained and if required replaced by the successful bidder at its own cost.
- vi. The Successful bidder shall also maintain an up-to-date inventory of all supported equipment and spares and make the same available for review and inspections as per requirement.
- vii. Daily/monthly/quarterly MIS report should be required

b. Preventive Maintenance:

- i. The bidder shall also be responsible for performing/carrying out preventive maintenance activity at least once in a quarter which includes cleaning, dusting and upkeep of interior and exterior, realignment of the deployed equipment's, configuration backup and software up gradation/update of all hardware.
- ii. The Bidder is required to submit preventive maintenance schedule for all equipment to TENDERER from time to time. After performing preventive maintenance activities, successful bidder is required to submit the detailed report of the same. All such activities should be done preferably during non-working hours or on non-working days/holidays.
- iii. Shifting of any camera or related equipment within the site on need basis should be done by the bidder without any additional cost to the TENDERER during the

contract tenure. However, if the shifting of CCTV camera system is proposed beyond the 300 mtr. Distance from the existing premises then Dismantling and Reinstallation Charges will be applicable as finalized rate under this bid.

c. Manpower Requirements:

- i. The bidder must ensure that appropriate qualified manpower with requisite skill sets is deputed at the respective locations defined in the below table. The bidder shall depute the resources as per the requirements for carrying out the O&M Activity and maintaining the SLA during contract period.
- ii. The minimum requirement of manpower, their qualification and responsibility of each resource is given below:

Locations	Educational Qualification	Roles and Responsibilities
<p>One at each 34 SP offices & 2 persons at central site. Total Manpower= 34 (cluster wise manpower bifurcation is as per BoQ)</p>	<ul style="list-style-type: none"> • Diploma/ BE/ B.Tech • 1+ Years of post-Qualification experience in IP CCTV surveillance, Computer Hardware, LAN/WAN & IT infrastructure projects. 	<ul style="list-style-type: none"> • Responsible for overall Operations and management of the existing as well as new IT Infrastructure, hardware, peripherals of respective site including LAN/WAN, IP CCTV Surveillance system, MIS Reporting, SLA Management etc. • Managing day-to-day activity and project operations to meet SLA. • Preparation of Report including day to day activity, Call logging, uptime, downtime, response time of each event & submission of quarterly report to respective officer as a supportive document for O&M activity and its payment. • Maintain Call Register • Reporting to concerned SP office or as decided by Tenderer. Manpower will be placed in the SP office to attend the call from that SP office. However, this manpower must attend the calls related to all Police Stations which come under to respective SP office. The cost for the transportation will be borne by the successful agency. • Configuration of camera, Server plus Network attached storage or Server with inbuilt storage, VMS, network switch etc. • Troubleshooting of entire system. • Replacement of faulty equipment, demand and supply of required hardware from the spare hardware. • Monitoring complaint status, follow up for complain resolution and responsible for resolve complain in time bound manner as decide in the SLA mentioned in this bid. • Deputed manpower shall be responsible to log the complaint related to connectivity, co-ordinate with connectivity vendor, follow up for logged complain related to connectivity and ticket generation for respective event and responsible to inform authority for connectivity complain and its resolution time and maintain the register for connectivity complaint. • Deputed manpower is responsible to follow the instruction received from respective officer related to configure the system as per requirement. • During the holiday if respective officer is asked to present for to ensure the system up and running then deputed manpower shall be responsible to remain present on holiday. • At the time of a disaster or any such events, the deputed manpower must be always present. • If respective officer wishes extract video clip than, Deputed manpower is responsible to extract the video clip, burnt CD, copy video clip and image in pen drive.

iii. This is minimum indicative list of resource and based on actual requirements, the bidder may deploy any number of resources to meet the SLA. The TENDERER shall not pay any cost for additional resources required to operate, maintain,

- monitor & manage the SLA. In case support staff is not available or is on leave, the bidder is required to provide the alternative personnel with same or higher technical capabilities of the non-available personnel.
- iv. The bidder shall be responsible for the deployment, transportation, accommodation, IT infrastructure and other requirements of all its employees required for the execution of the work and for all costs/charges in connection thereof. Tenderer will provide the required sitting space with table, chair, and electricity for day-to-day activity.
 - v. The bidder shall provide and deploy “dedicated on site manpower” for carrying out the work, only those manpower resources who are skilled and experienced in their respective trades and who are competent to execute or manage/supervise the work in a proper and timely manner as per the RFP.
 - vi. The bidder shall maintain backup personnel and shall promptly provide replacement of every person removed pursuant to this section with an equally competent substitute from the pool of backup personnel.
 - vii. In case of change in its team composition owing to attrition the Successful Bidder shall ensure at least a week of time-overlap in activities to ensure proper knowledge transfer and handover/takeover of documents and other relevant materials between the outgoing and the new member.
 - viii. **Roles and Responsibilities of** various branches (LCB, SoG and LIB) and police stations:
 - Provide access to selected agency for execution of Project.
 - Provide space, raw power and approval to smoothly execute Project.
 - Provide approval & facilitate agency for deciding location of camera in consultation with selected agency.
 - Provide the sitting space to technical manpower at respective location of department.
 - Monitor the project by logging complaint in time limit and monitoring and tracking of complaint resolution in time limit.
 - Maintaining & checking all register and calculation of downtime.

3.12. Other Requirements

- a. The bidder to consider following points while offering the products and services as a part of the bid:
 - i. All the products should be with 5 years of warranty the Time for Replacement of Defective Product during Warranty Period is 72 hours.
 - ii. Camera should be supplied with Surface mounting box and mounting clamps.
 - iii. Camera should be loaded with **128** GB SD Cards.
 - iv. All IP cameras should be motorized varifocal lens.
 - v. NVR and Storage should be loaded with usable Capacity of HDDs 1 month in NVR at police station level and 18 months recording capacity at SP office level as per the site requirement as per **Annexure D**.

- vi. Each system with storage and other required hardware should have adequate throughput for smooth running of camera feed.
- vii. All the cameras, NVR and VMS should be ONVIF compliant.
- viii. Bidder should supply GI pipes (where ever required) and do the asphalt cutting/boring/RCC/plaster cutting as per site requirements.
- ix. Bidder should also consider necessary electrification as per site requirements. Bidder must take Power for rack from nearest electrical point.
- x. **All Quoted Cameras and NVR should have FCC/ equivalent Indian Standard, CE/equivalent Indian Standard, UL 62368-1/ equivalent Indian Standard, IEC/BIS/Equivalent Indian Standards. Note: In case of Make in India Products UL certification is not required. However, MII product should have a certification from a NABL-approved lab/STQC Lab with equivalent IEC standard (IEC 62368-1) before the date of publishing of the RFP.**
- xi. **All quoted Network Switch should be CE/ equivalent Indian Standard, FCC/ equivalent Indian Standard, UL/ equivalent Indian Standard. Network Passive Cable & Components should have ETL/UL/CE/FCC/BIS or equivalent Indian Standard certificate. In case of Make in India Product UL certification is not required, however, MII product should have a certification from a NABL approved lab//STQC Lab with equivalent IEC standard before the date of publishing of the RFP.**
 - b. Tenderer should be able to connect, view and monitor any Camera installed in the campus/Site from its local device.
 - c. All the hardware and software features mentioned in the tender specifications should be available at the time of submission of tender.
 - d. The successful bidder must carry out proper electrical earthing (as per IS-3043) at all the Police station where cameras to be installed. The cost for the earthing will be borne by the bidder.
 - e. The bidder is responsible for protecting all the devices or equipment from input power i.e., overload, over voltage or current, spikes, surge etc.
 - f. Tenderer will provide electric point at single location in each Police Station, thereafter, bidder is responsible for required electricity work for successful functioning of proposed surveillance system within the campus of respective site/location.
 - g. Bidders must install surge protection device/equipment and distribute the raw power to all the devices of surveillance system.
 - h. **System Training:** This shall include providing a 4-weeks comprehensive hands-on training related to system operation of the installed peripherals/equipment's to the designated/authorized representative of respective site after the successful commissioning of the project. Appropriate training material should be provided by the bidder during the training. All the cost associated with such training must be borne by the bidder.

- i. The bidder must provide on-site warranty for all equipment's as mentioned in RFP.
- j. The deployed resource should be present during the normal office hour of respective site. However, if required he shall remain present beyond office hours as per the requirement of the Office.
- k. Deputed resource should have adequate knowledge regarding troubleshooting of computer C.P.U., IP CCTV camera, VMS and other IT peripherals.
- l. Appropriate call register and ticket handling status system should be in place to log and track troubleshooting activity.
- m. The successful bidder must provide on-site warranty for all active components and other equipment as mentioned in RFP.
- n. **Sub-Contracting:** Bidder has to give undertaking not to sub-contract the tender. However, bidder will be allowed for sub-contracting for Civil works or network/LAN cabling after prior permission of tenderer. Bidder will be responsible for the entire project awarded to him
- o. **Extension of contract (CAMC):** After completion of the warranty period, the contract may be extended for further period of 2 years by mutual consent of both the parties
- p. Web portal & The Software/Mobile application to be developed/customized under the project has to be done in consultation and requirement of the TENDERER after prior approval of the FRS & SRS for such applications.
- q. Bidder is also responsible for providing an available Web portal (user can access NVR and camera through the browser) and mobile application which will allow a limited set of authorized users to access the video feeds live as well as recorded over the mobile/smart phone.
- r. **Structured Cabling work (CAT 6):**
 - i. Bidder is responsible for laying of required LAN, along with its required accessories like PVC Conduit, GI Pipe, laying, reinstating the site in its original condition, casing, capping, tagging etc.) for the surveillance infrastructures asked in the RFP. Bidder must follow industry best practices of structured cabling like proper laying, tagging, capping, casing, clamping etc.
 - ii. **Best practices of CAT 6 cable Laying:**

Based on the requirement of the RFP bidder will have to lay the CAT6 cable, the same must be underground only. The Below mentioned best practices to be followed for Underground Cable Laying:

 - The Under-Ground Cables shall be buried to a minimum depth such that the top of the cable is One meter below the normal ground level. Where ever, underground cabling is required at the campus gate, parking etc. The Bidder will have to lay the CAT6 cable at underground. However, inside the police station bidder has to lay cable on wall with conduit
 - Excavations of trenches shall be up to a depth such that the top of the cable is 0.5 meter below the normal ground.
 - Laying and pulling of cables in trenches shall be through GI pipes/ ducts.

- Placement of semi-circle RCC Pipes / Stones slabs /Pre-cast RCC Slabs /Layer of Bricks.
 - All the cables should be weatherproof, outdoor grade and compliant as per the industry standards.
 - The bidder is required to submit necessary supporting document in this regard along with the Technical Bid Document.
 - Back filling in compacting of the excavated trenches according to the construction's specifications and removal of excess earth from the site. Restoration of site in original condition upon completion of work.
- iii. The bidder will have to submit a detailed technical solution document including layout diagram and proposed network architecture at the time of bid submission indicating the location of equipments to be installed to respective Office of the TENDERER for approval before implementation of the same. The bidder must use the existing infrastructure of LAN, if available at each location. The bidder must take approval of respective Office of the TENDERER for Schematics Diagram (Layout) within 15 days from the date of Work Order for Cabling & laying work. Concerned persons from that particular Police station will decide the location of installation within maximum 15 days from the date of Work Order.
- iv. The Bidder for better understanding may visit the site(s) with prior written permission from the TENDERER before submission of their bid. The bidders will have to do their own assessment/ measurements for finalization of scope of work / supply before submission of their bids.
- v. Installation, termination and identification of wiring between station outlets and equipment room shall be considered part of the bidder's scope of work.
- vi. The Successful Bidder must furnish working drawings and as-built drawings, which shall be an essential component of commissioning.
- vii. The Passive Components of structured cabling distribution network will be free from manufacturing defects in material and workmanship under normal and proper use.
- s. Installation of Active Components: The bidder shall be responsible for:**
- i. Supply, Installation, Testing & Commissioning of all the active components required for successfully running and maintenance of the entire system as per scope of work, functional and Technical specification of this RFP document.
 - ii. Required active components will be installed at the locations identified for the surveillance.
 - iii. The cameras must be connected to the switches.
 - iv. Bidders must install UPS along with necessary electrification, power protection and connecting it with all devices asked under this RFP.
- t. Tentative BoQ for newly constructed police station, branch office (LIB, SOG & LCB) & existing police station is as per below:

BoQ for newly constructed station	newly police Branch office (LIB, SOG & LCB)	Existing police station
------------------------------------------	--------------------------------------------------------	--------------------------------

Dome IP CCTV camera	Dome IP CCTV camera	Dome Camera
Bullet IP CCTV camera	Bullet IP CCTV camera	Bullet IP CCTV camera
NVR with required storage capacity of 1 month	NVR with required storage capacity of 1 month	NVR with required storage capacity of 1 month
PoE Layer-2, 8 port managed Switch	PoE Layer-2, 8 port managed Switch	PoE Layer-2, 8 port managed Switch
600 VA UPS (with 15 Minutes battery backup)	600 VA UPS (with 15 Minutes battery backup)	-
1 KVA Online UPS (with 30 Minutes battery backup)	1 KVA Online UPS (with 30 Minutes battery backup)	1 KVA Online UPS (with 30 Minutes battery backup)
108 CM (42") or higher display unit	108 CM (42") or higher display unit	-
8 Port Cat-6 Jack / Patch Panel with I/Os	8 Port Cat-6 Jack / Patch Panel with I/Os	-
12 U/9U Rack	12 U/ 9U Rack	12 U Rack
Surge Protection Device	Surge Protection Device	-
3 feet Cat-6 Factory Crimped Patch Cord	3 feet Cat-6 Factory Crimped Patch Cord	3 feet Cat-6 Factory Crimped Patch Cord
Mount Box at Camera End	Mount Box at Camera End	Mount Box at Camera End
Cat 6 UTP cable with laying (in meter)	Cat 6 UTP cable with laying (in meter)	Cat 6 UTP cable with laying (in meter)
1.5" Size PVC pipe including Labour Charges (in meter)	1.5" Size PVC pipe including Labour Charges (in meter)	1.5" Size PVC pipe including Labour Charges (in meter)

3.13. Proof of Concept (PoC) (Cluster wise)

- a. Bidders qualified as per the eligibility criteria will be called for the Proof of concept/Demonstration of the proposed solution w.r.t to CCTV cameras, VMS, Server & Storage with 18 month storage capacity and will be evaluated based on the below matrix:
 - i. Bidders have to successfully demonstrate the proposed solution within the 10 days from the date of intimation. The TENDERER will not be liable to

- pay/reimburse any type of cost incurred by the bidders pertaining to the PoC.
- ii. During the PoC, bidders are required to deploy CCTV cameras with all systems at the location/police station specified by the TENDERER. (Tenderer may choose one police station where existing CCTV camera had installed, bidder have to complete the replacement of the existing camera and installation of proposed additional 4 camera, NVR and required accessories)
 - iii. The POC shall be done to showcase the requirements of the said system(s) as specified under the scope of work and in compliance to the technical specification as laid down in this RFP
 - iv. The bidder will have to successfully qualify the POC based on the parameters defined below. In case any bidder(s) fails to successfully qualify in PoC, then in such a case said bidder will be disqualified and his bid will not be considered for the next stage (i.e. Financial Bid Opening).
 - v. The POC shall be conducted at location at one of the respective cluster's city/district or Gandhinagar or Ahmedabad.
 - vi. The proof of Concept will be evaluated based on the below mentioned criteria:

Sr. No	Component	Functionality to be Demonstrated	Benchmark Achieved
	CCTV Cameras, Server, VMS, Storage and related accessories	During PoC the bidder would be assigned any one police station (cluster wise/or as define by the office) where the existing CCTV camera setup has been installed earlier in year 2015. The bidder will demonstrate & functioning of proposed hardware like CCTV camera (with Additional 4 nos. of cameras), NVR, storage having 18 month storage capacity and related accessories) & show case the overall functioning of the assigned police station. Below mentioned points should be presented during demonstration:	
A.		For the demonstration, bidder has to deploy Server, Storage, VMS and other required hardware at respective city/district.	Yes/ No
B		Integration of camera with proposed VMS	Yes/ No

Sr. No	Component	Functionality to be Demonstrated	Benchmark Achieved
C.		During the demonstration the storage should consist the recorded video footage of 18 months & should demonstrate the functioning of storage & server while activity like live video feed monitoring, recording, retrieving, searching, remote monitoring, configuration, etc are simultaneously ongoing.	Yes/ No

Note: Technical Committee will give special attention to verify the quality, robustness and appropriateness of the proposed camera, VMS, Server, storage having 18 month storage capacity and related accessories. All the bidders will have to successfully qualify the PoC stage based on the parameters defined above. In case any bidder(s) fails to successfully qualify in PoC, then in such a case said bidder will be disqualified and his bid will not be considered for the next stage (i.e. Financial Bid Opening).

3.14. Acceptance Test

Acceptance Test will be conducted in as follows:

- a. TENDERER reserves the right to inspect goods and services supplied as per the scope of this RFP document. The cost of all such tests shall be borne by the Vendor. Any inspected goods fail for confirm to the specification will be rejected, and Vendor shall have to replace the rejected goods as per the contract specification without any financial implication to the TENDERER.
- b. Final Acceptance Test (FAT): After successful installation of the System in accordance with the requirements as mentioned in Schedule of Requirement, Final Acceptance Test will be conducted. After successful testing, Acceptance Test Certificate will be issued by TENDERER or its designated agency to the Vendor.
- c. The date on which Acceptance certificate is issued shall be deemed to be the date of successful commissioning of the System.
- d. Any delay by the Vendor in the Acceptance Testing shall render the Vendor liable to the imposition of appropriate Penalties.

5. Service Level Agreement (SLA) and Penalties

4.1. Definitions

S/N	SLA Terms	Description
1	Network Backbone	'Network Backbone' refers to Internet Protocol (IP) based routing infrastructure at which, successful bidder has installed network devices for this project.
2	Latency	'Latency' refers to the average time required for round-trip packet transfers between Selected locations and the respective control center on the selected portions of the network Backbone.
3	Packet Loss	'Packet Loss' refers to the average percentage of IP packets transmitted between Selected Junctions/locations and the respective control center that are not successfully delivered.
4	Planned Network Outage	'Planned Network Outage' refers to unavailability of network services due to infrastructure maintenance activities such as configuration changes, up gradation or changes to any supporting infrastructure. Details related to such planned outage shall be approved by the TENDERER or authorized authority and shall be notified to all the concerned stakeholder in advance (at least five working days). It is desirable that such outage shall be taken on Sundays or other Government holidays to the extent possible.
5	Unplanned Network Outage	'Unplanned Network Outage' refers to an instance in which no traffic can pass in or out through which devices are connects to the network Backbone
6	TimeLine for Retrieval of video feeds from the Storage	<ul style="list-style-type: none"> a. Retrieval of Event Related (Flagged/marked by the Tenderer or its user department) video feeds from the Local storage: Maximum Retrieval time 3 seconds. b. Retrieval of Non- Event (Anything which is not flagged/marked) related video feeds from Local Storage: Maximum retrieval time 5 minutes. c. Retrieval of Event related video feeds stored in removable/External disk/drives: Maximum retrieval time 30 Minutes
7	Not keeping manpower	If successful bidder does not deploy the required specified quantity & quality of manpower as per RFP or a person deployed is not reporting to the duty, there would be a penalty per person per day as defined in below table and will be deducted from the quarterly payment

S/N	SLA Terms	Description																
8	Incidence Resolution (Network)	<p>The network outage, security or performance related issues impacting the network availability/performance and leading to unavailability of the services. Resolution of incidence as per below priority Levels:</p> <ul style="list-style-type: none"> • L1 Level Severity: impacting more than one sites. • L2 Level Severity: Impacting 10 or more end devices/utilities. • L3 Level Severity: Impacting one or more end devices/utilities. <table border="1"> <thead> <tr> <th>#</th> <th>Severity</th> <th>Initial Response Time</th> <th>Issue Resolution Time</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">Level 1</td> <td align="center">15 Mins</td> <td align="center">1 Hour</td> </tr> <tr> <td align="center">2</td> <td align="center">Level 2</td> <td align="center">30 Mins</td> <td align="center">2 Hours</td> </tr> <tr> <td align="center">3</td> <td align="center">Level 3</td> <td align="center">240 Mins</td> <td align="center">12 Hours</td> </tr> </tbody> </table>	#	Severity	Initial Response Time	Issue Resolution Time	1	Level 1	15 Mins	1 Hour	2	Level 2	30 Mins	2 Hours	3	Level 3	240 Mins	12 Hours
#	Severity	Initial Response Time	Issue Resolution Time															
1	Level 1	15 Mins	1 Hour															
2	Level 2	30 Mins	2 Hours															
3	Level 3	240 Mins	12 Hours															

4.2. SLAs and Penalty

A. Penalty for Delay

S/n	Activity	Timeline	Penalty
1	Delay in Delivery/ Supply of Hardware	As per Article (mentioned below) of this Document	<ul style="list-style-type: none"> • 0.5% of Contract value of delayed item per week or part thereof for delay in delivery (Here Contract value of delayed item means value of individual delayed items as per price bid under GeM) • If the successful bidder delays the delivery /supply beyond 60 days for cluster I to III & 45 days for cluster IV from the scheduled date of delivery as per project implementation timeline then the TENDERER may terminate the contract and Forfeit the PBG.

2	Delay in Installation & commissioning		<ul style="list-style-type: none"> • 0.75% of Contract value of delayed item per week or part thereof for delay in Implementation • If the successful bidder delays the installation and commissioning beyond 120 days for cluster I to III & 90 days for cluster IV from the scheduled date of installation and commissioning as per project implementation timeline then the TENDERER may terminate the contract and Forfeit the PBG..
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Note:

- i. Maximum Penalty cap for penalty for delay is 10% of contract value (i.e. total capex cost) for the ordered item.**
- ii. If there is a delay in delivery of the supply of hardware, applicable penalty for delay in delivery of delayed/non-supplied hardware will be levied. Due to delay in delivery, if installation gets delayed further applicable penalty for delay in installation and commissioning will also be levied for that non-supplied and non-installed hardware.**
- iii. If TENDERER fails to provide space and related clearances to carry out the job as per the agreement terms, as a result of which the installation of the equipment is delayed and the selected agency is not able to adhere to the schedule for completing the Acceptance Tests. Delay solely on account on above will not be accounted while ascertaining actual delay and penalties thereof.
- iv. For calculation of delay any dependencies from Police station level will be excluded.

B. Operational Penalties

Successful Bidder shall be paid Quarterly Payment (QP) for the technical resource provided by the successful bidder. The overall operational penalty would be generally capped at 10% of QP amount and will be recovered against the quarterly payment invoice and Performance bank guarantee (if required) submitted by the successful bidder. Availability will be calculated on a quarterly basis.

S/N	SLA	Target	Penalties
1.	Timeline for Retrieval of video feeds from the Storage	As per SLA	<ul style="list-style-type: none"> • Rs. 500 for every instance of late retrieval as per the SLA • Note: Data Retrieval Request Through a Request Log Mechanism
2.	*Uptime of all IT components installed at site	99.50% (at each individual component level)	For each component <ul style="list-style-type: none"> • Above 99.50% = No penalty. • 99.50 - 99.00% - >/=0.25% of QP.

			<ul style="list-style-type: none"> • 98.99 - 98.00% - >/=0.5% of QP. • 97.99 - 97.00% - >/=1.0% of QP. • 96.99 - 96.00% - >/=1.5% of QP. • Less than 96.00% - >/=2% of the QP. • If the uptime goes below 95% consequently for two quarters, then in that case tenderer may terminate the contract and forfeit the PBG.
3.	Availability of Video Recording	100% (365 x 24 hours) Excluding power cut duration	A penalty of Rs. 1000/- per camera per hour or part thereof shall be levied in case of unavailability of Video Recording.

*uptime mentioned here is required to achieve for each site/Police Station's IT components.

Note: The overall operational penalty would be generally capped at 10% of QP amount and will be recovered against the quarterly payment invoice and Performance bank guarantee (if required) submitted by the successful bidder.

C. Complaint Resolution

- The bidder shall be responsible for maintaining the desired performance and availability of the Network devices supplied under the scope of work of this RFP. The bidder should ensure the prompt service support during Contract period. If complaint is made before 4 pm of the working day, the same should be attended on the same day.

Site/Location	Penalty for delay in resolution of complaints beyond 24 hours
All Sites (Police station and branch office level)	Rs. 1000/- per complaint (For CCTV system and other equipment)per day or part thereof
Site/Location	Penalty for delay in resolution of complaints beyond 8 hours
All Sites (CP/SP office server and storage penalty)	Rs. 1000/- per complaint (For CCTV system and other equipment)per day or part thereof

Resolution Time: - Defined as time taken to resolve a problem. The resolution time will be considered with respect to clock hours. If the successful bidder fails to attend the uptime and complaint resolution as specified above, the operational penalty will be

imposed as specified above which will be recovered from quarterly payment or from PBG.

Exceptions:

Downtime planned for prescheduled changes / Maintenance activities and the same shall be intimated in advance to the Tenderer for prior approval and downtime in such cases shall not be more than 12 hours in quarter. Force Majeure conditions as mentioned in the RFP.

Note:

In case, there is delay attributable to granting access to the equipment to be restored on the part of TENDERER or on part of end user, such delays shall be reduced from the time taken for call completion after due consideration by the TENDERER/GIL.

D. Penalty for Non-Availability of Technical Resource

If bidder does not deploy the required specified quantity and quality of manpower in the RFP or a person deployed is not reporting to the duty, there would be a penalty per person per day as defined below and will be deducted from the quarterly payment.

Manpower penalties during the contract		
S/N	Penalty Clause	Penalty
1	<p>Successful bidder must ensure the deployment of minimum number of personnel required as specified in the scope.</p> <p>The successful bidder shall ensure that alternate arrangements are made and leave for a staff is pre-sanctioned by TENDERER If not, the penalties described in the following column shall apply.</p>	<p>Rs. 1000/- per person per day of unsanctioned leave or non-reporting or non-deployment.</p> <p>In any case manpower will not available more than 15-days in months than treated as non-available of manpower for same month. So, Payment will not made for that month.</p>

E. Penalty for Delay in Repair/Replacement of Faulty Material

The Successful Bidder shall be responsible for repair/ replace all faulty material within the shortest possible time thus ensuring minimum downtime.

- The Successful Bidder shall be responsible for maintaining the desired performance and availability of the system/services. Successful Bidder should ensure the prompt service support for the entire project duration. If any complain is made or auto alarm/instances is generated by the system for non-availability of the items., then it must resolved within 24 hours from the time of complaint raised/auto alarm.

- If Successful Bidder fails to resolve the issue as specified above, the following penalty will be imposed on each delayed day, which will be recovered against the quarterly payment invoice submitted by the successful bidder:

-

Site/Location	Penalty for each delay is resolution of issues within stipulated time
All Sites	Rs. 100/- per site for every 8 hours of delay or part thereof

F. Delay in Preventive maintenance & report – penalty:

- The bidder shall also be responsible for performing/carrying out preventive maintenance activity at least once in a quarter which includes cleaning, dusting and upkeep of interior and exterior, realignment of the deployed equipment, configuration backup and software up-gradation/update of all hardware. In case of not performing/carrying out preventive maintenance activity in respective quarter, invoice will not be process till the report of preventive maintenance for respective quarter will be submitted.

6. Project Implementation Timelines and Payment Terms

5.1. Project Implementation Timelines:

a. The needs to adhere to following Project Implementation Timelines:

S/N	Deliverables	Timeline for Cluster -1 to 3 (for each cluster)	Timeline for Cluster -4
1	Submission of Detailed implementation plan/roadmap, Signing of contract agreement and submission of performance Bank Guarantee	Within 15 Days from date of issuance of work order (T+15 days)	Within 15 Days from date of issuance of work order (T+15 days)
2	Delivery of the ordered items as per the work order at central location (bidder's warehouse at Gandhinagar/Ahmedabad)	T+ 75 days	T+ 60 days
3	<p>i. The successful bidder will complete the Installation & Commissioning of CCTV camera and related accessories as per scope of work</p> <p>ii. The overall Installation and Commissioning of hardware, software and offering for acceptance shall be completed.</p> <p>Go-Live: The project shall be considered Go-Live, when 100% of Police Stations and branch offices get installed, commissioned & accepted by the Tenderer.</p>	T+ 135 days	T+ 105 days
4	Operation and Maintenance (O&M) Period	60 months from date of Go-Live.	60 months from date of Go-Live.

Note:

- i. T = Work Order Date; The Work Order date will be considered as the Start date for Timeline in all case.
- ii. The bidder will have to provide work order acceptance within 15 days of issuance of Work Order. However the Project Implementation Timeline shall not be associated with the work order acceptance/signing of

- contract agreement etc.; the Project Implementation Timeline will start from the Work order date only.
- iii. Days = Calendar days
 - iv. Under the GeM Portal we have selected Delivery Days as 150 days. However, Project Implementation Timelines will be considered as mentioned above for delivery and installation/implementation.
- b. The bidder must take the necessary approval of the TENDERER or its authorized representative for Schematics Diagram (Layout) before starting the implementation of the project.
 - c. The successful bidder will implement the project strictly as per the plan approved by the TENDERER. The successful bidder shall carry out cabling work at such locations as may be decided by the TENDERER within a specified period as specified in Instruction letter/LOI/Order and complete their provisional Acceptance Test to the satisfaction of the TENDERER and its user Departments within 10 days from the date specified. This period may be extended depending upon the fulfillment of Conditions Precedent.
 - d. Acceptance of work will be undertaken by the TENDERER/User Departments. All Invoices, Vouchers, Bills for supplied goods and services by the successful bidder under the scope of the work will be verified measured and accepted by the TENDERER or its designated agency for release of payment.
 - e. As part of implementation the successful bidder shall provide details of equipment that will be incorporated in the proposed system, material and manpower as required. The location for storing spare parts and quantity there on should also be clearly indicated.
 - f. The successful bidder shall provide the necessary technical support, Standard Operating Procedure (SOP) and other information to the TENDERER and its user organizations in implementing the proposed system applications. The TENDERER at any time during the currency of the Agreement should have access to the proposed sites.
 - g. The successful bidder shall provide training to the TENDERER and its user Department's personnel at no additional cost to the TENDERER. The training schedule, content and modalities will be defined jointly by both the parties.
 - h. The successful bidder shall arrange to obtain all statutory permission with no cost to the TENDERER. The successful bidder may have to work during Holidays and Sundays, according to the urgency of work. The bidder will obtain such permission on his own in consultation with the TENDERER and its User Departments. It will be the responsibility of the successful bidder to co-ordinate with the TENDERER and its User Departments as necessary to execute the required job.
 - i. The successful bidder shall not disturb or damage the existing network of communication. If in case any damage to the network is done, the same shall be corrected with no extra cost. The successful bidder shall also be responsible for paying penalty, as imposed by the service owner to which the damage is incurred.

- j. In case of the material/solution supplied and installed is rejected owing to its non-conformity to the specification or due to the poor quality of workmanship, the same shall be replaced promptly by the successful bidder.
- k. The successful bidder shall treat all matters connected with the contract strictly confidential and shall undertake not to disclose, in any way, information, documents, technical data, experience and know how, without prior written permission from the TENDERER.
- l. Any damage caused to the property of the TENDERER while executing the job shall be solely successful bidder's responsibility. In case any damage to the property is caused, the same will be recovered from the successful bidder. No extra cost shall be paid to the successful bidder for such reasons.
- m. The successful bidder shall have to furnish the documentation of the work undertaken in consultation with the TENDERER. 3 sets of such documentation should be provided before the issue of completion certificate.
- n. It is a turnkey project. The successful bidder shall be fully responsible for implementing the Project in totality and should include the items and their prices, if not included in Schedule of Requirement to complete the project on turnkey basis. Any claim whatsoever in this regard will not be entertained later.
- o. In the event of the delay in delivery of contracted services or services is not satisfactory the purchaser may procure goods from elsewhere as prescribed in bid and the successful bidder shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the contract for the goods involved i.e., at the risk and cost of the bidder.
- p. The TENDERER or its designated agency reserve the right to visit any working site of the bidder with prior intimation. The concern bidder must make necessary arrangement for the same.
- q. The successful bidder shall be responsible and take required insurance for all their representations working on the site at their own cost. The TENDERER will not be responsible for any loss or damage to any of the representatives of the successful bidder during the said contract.
- r. All work shall be performed and executed by the successful bidder in strict conformity with conditions laid down in the RFP and any relative instruction issued to the successful bidder by the TENDERER from time to time.
- s. In the event of the delay in delivery of contracted goods and services or the services provided are not satisfactory, the TENDERER may procure the goods/services from elsewhere as prescribed in bid and the successful bidder shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the contract for the goods involved i.e., at the risk and cost of the bidder.
- t. The TENDERER shall associate few engineers / technicians during installation and commissioning work. The successful bidder shall ensure proper participation of the nominated personnel(s) from the TENDERER's office or its user departments and train them on the services provided. Also, the successful bidder shall organize the systematic training of selected personnel from the TENDERER's office on the operation / management of equipment.

- u. Bidder is required to co-ordinate with selected connectivity provider/bidder for successful commissioning of work as per scope of work.

5.2. Payments Terms:

S/N	Activity	Payment (%)
1	Capex Cost as per financial bid on GeM portal of each cluster	
	Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse at Gandhinagar /Ahmedabad	60% of the Sum total of financial bid of each cluster (without O&M cost)
	Successful Installation, commissioning	20% of the Sum total of financial bid of each cluster (without O&M cost)
	Final acceptance test (FAT)	10% of the Sum total of financial bid of each cluster (without O&M cost)
	After Project "GO-LIVE" Satisfactorily Performance	10% of the Sum total of financial bid of each cluster (without O&M cost).
2	Opex Cost as per financial bid on GeM portal of each cluster	
	Operational & Maintenance support during the contract period of 5 years (Minimum Opex 30% of Project Value)	20 equal Quarterly Installments after the end of each quarter of each cluster.

Note: The payment for Successful Installation, commissioning & acceptance test shall be released for a lot of 50 Police station only. Hence, successful bidder will raise invoice when installation, Commissioning and acceptance at 50 police station has been considered.

1) O&M Component: -

- O&M period will start when 90% of Police Station materials get installed, commissioned & accepted by the Tenderer for respective cluster. In case, any police station is not completed or under construction then this will not be considered as non-commissioning locations for the finalized agency under this bid.
 - The payments to the successful bidder will be made quarterly at the end of each quarter on acceptance of the invoice by the TENDERER or its designated agency.
 - The invoice would be processed for release of payment within 45 days after due verification of the invoice and other supporting documents by the TENDERER or its designated agency. Payment shall be made in Indian Rupees. While making payment, necessary TDS/ income tax deductions will be made.
2. The quantity mentioned in the bid document on GeM is indicative based on the initial survey carried out for the project estimation and evaluation purpose. However, after

issue of work order on GeM, bidder must carry out the survey of all Police Stations and submit the final BoQ along with Schematic diagram for each Police Station indicating the location of equipment to be installed and get it approved from the respective office for actual delivery & implementation of the material.

3. The bidder is required to deliver the material based on the surveyed BoQ approved by the respective Authority of Police station instead of quantity mentioned on GeM within the total limit of BoQ mentioned in the Bid. In case if the additional quantity required for installation & execution of solution except Camera and server, storage, UPS, Display, network switch, the bidder shall have to bear the cost for the same. However, in case of required BoQ is less than the total BoQ mentioned on GeM, the payment will be made on actual basis.

7. Bid Evaluation Process

- a. The TENDERER will form a Committee which will evaluate the proposals submitted by the bidders for a detailed scrutiny. During evaluation of proposals, the TENDERER, may, at its discretion, ask the bidders for clarification of their Proposals.
- b. **Pre-Qualification evaluation:**
Bidders who have submitted the valid EMD shall be considered for further evaluation. If bidders fail to submit the bid security as per this RFP document, the Bid shall be out rightly rejected.
- c. **Technical evaluation:**
Bidder has to provide the unpriced BoQ with prapcode/make and Model along the detailed solutions document. the committee will check the offered solution along with the submitted supporting document. Bidders are required to propose an appropriate solution to meet the outcome envisaged. Tentative solution and minimum technical specifications have been mentioned in this RFP, however, the bidder is free to provide a better solution and propose any other additional components needed to meet the requirements. In case bidder proposed lower solution/specification than as mentioned in the RFP then the bid may be rejected. POC is also a part of Technical evaluation.
- d. **Financial Bid Evaluation**
The Financial Bids of only technically qualified bidders of respective cluster would be opened and evaluated to determine the L1 (lowest) bidder (RA is part of Financial Evaluation). In case of conditional bid or major deviations from the RFP requirements, the TENDERER may at its discretion reject the respective bid and will not be considered for further evaluation process. **L1 bidder(s) will be decided separately for each Cluster based on the offered total rate for respective Cluster.**

Make and Model form

Sr. No.	Items	Make and Model	Supporting Document uploaded? (Yes/No)
1	Bullet camera For costal area police station		
2	Dome camera For costal area police station		
3	Bullet camera		
4	Dome camera		
5	16 Ch NVR with 12 TB		
6	16 Ch NVR with 16 TB		
7	32 Ch NVR with 24 TB		
8	32 Ch NVR with 32 TB		
9	8 port network switch		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)		
11	Online UPS (IS:9000 1KVA)		
12	Professional Large Format Display (108 cm or 42 inch or above)		
13	8 Port CAT 6 Patch Panel with I/Os		
14	12 U Rack Enclosures(Networking/Server Rack)		
15	9U Rack Enclosures (Networking/Server Rack)		
16	Surge Protection Device		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)		
18	CAT 6 Cable for Indoor use		
19	PVC Pipe laying (Laying & Installation Charges)		
20	Supply & Installation of Pole _ Mast Suitable for CCTV System (Accessories)		
21	Server		
22	Storage 1PB		
23	Storage 2 PB		
24	VMS Base lic		
25	Lic bank		
26	Network Switch L3		
27	42 U Cooling Network Rack with required UPS load		

Note: The Bidder may quote only one option (i.e. one Make and Model can be quoted) against each item **by one bidder whether bidder is participating in 1 cluster or in all 4 cluster**. Bidders are required to mention Make and Model of the product (Do not write “OEM” against items). Bidders are expected to give make and model of the product). Ensure that all equipment including material to be installed by the Bidder shall be new and the product should not be de-supported or declared end of life/**end of support** during the next 7 years.

Price Bid

Cluster -I

Sr. No.	Items	Qty. for Branch Offices	Qty. for New PS	Qty. for Existing PS	Qty. for SP/CP office	Qty. for Central side	Total Qty.	Unit Price With 5 Year Warranty (In Rs.) (With Tax)	Total Price With 5 Years Warranty (In Rs.) (With Tax)
1	Bullet camera	181	572	2451	0	0	3204		
2	Dome camera	69	248	959	0	0	1276		
3	16 Ch NVR with 12 TB	14	0	0	0	0	14		
4	16 Ch NVR with 16 TB	21	0	0	0	0	21		
5	32 Ch NVR with 24 TB	2	27	109	0	0	138		
6	32 Ch NVR with 32 TB	2	23	102	0	0	127		
7	8 port network switch	67	124	632	0	0	823		
8	600 VA Line Interactive UPS ((with 15 Minutes battery backup)	28	74	0	0	0	102		
9	Online UPS (IS:9000 1KVA)	39	50	211	0	0	300		
10	Professional Large Format Display (108 cm or 42 inch or above)	39	50	0	0	0	89		
11	8 Port CAT 6 Patch Panel with I/Os	67	124	0	0	0	191		
12	12 U Rack Enclosures(Networking/Server Rack)	39	50	211	0	0	300		
13	9U Rack Enclosures (Networking/Server Rack)	28	74	0	0	0	102		
14	Surge Protection Device	39	50	0	0	0	89		
15	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	250	820	844	0	0	1914		
16	CAT 6 Cable for Indoor use	12500	41000	42200	0	0	95700		
17	PVC Pipe laying (Laying & Installation Charges)	6250	20500	21100	0	0	47850		
18	Supply & Installation of Pole _ Mast Suitable for CCTV System (Accessories)	0	50	0	0	0	50		

19	Server	0	0	0	27	0	27		
20	Storage 1PB	0	0	0	3	0	3		
21	Storage 2 PB	0	0	0	24	0	24		
22	VMS Base lic	0	0	0	27	0	27		
23	Lic bank	0	0	0	4480	0	4480		
24	Network Switch L3	0	0	0	11	0	11		
25	42 U Cooling Network Rack with required UPS load	0	0	0	62	0	62		
26	EMS/ NMS Server	0	0	0	0	1	1		
27	EMS / NMS Software	0	0	0	0	1	1		
28	1 KVA Online UPS (with 30 Minutes battery backup)	0	0	0	0	1	1		
29	Central Switch L3	0	0	0	0	1	1		
30	24 U Network Rack	0	0	0	0	1	1		
31	Operation and Maintenance Cost (Manpower cost) for 5 years	0	0	0	10	2	12		
32	Total charge of Dismantling and Reinstallation Charges for cluster-I	1	1	1	1	1	1		
								Total value with tax	
								-Total Buyback value of Cluster -I	
								Total value of cluster -I (after deducting total value of buyback of cluster -I) with tax	

Buyback Price (Cluster _I)

Sr. No.	Product	Make	Model	Quantity	Unt rate	Total Rate
1	1 MP Fixed Camera with Audio and IR	Panasonic	WCSEFV611L			
2	1 MP Fixed Camera with Audio	Panasonic	WVSEFV611L	1599		
3	1 MP Bullet Camera with Audio and IR	Panasonic	WVSPW611L	740		
4	2 MP , 18x PTZ Camera	Panasonic	WVSW598	209		
5	Server with storage for 30 days	HP	ML 150G9	209		
6	UPS (1 KVA /2KVA)	Emerson	1) GXT-MT+BX 1KL	48		
			2) GXT-MT+CX 2KL	161		

7	UPS Battery	Exide	-	1110	
8	Video Management Software	Milestone	Xprotect Professional	209	
9	Network Switch	HP		632	
Total					

Dismantling and Reinstallation Charges for cluster-I

Sr. No.	Product	Quantity	Unt rate (With tax)	Total Rate (with tax)
1	Bullet camera	160		
2	Dome camera	64		
3	16 Ch NVR with 12 TB	1		
4	16 Ch NVR with 16 TB	1		
5	32 Ch NVR with 24 TB	7		
6	32 Ch NVR with 32 TB	6		
7	8 port network switch	41		
8	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	5		
9	Online UPS (IS:9000 1KVA)	15		
10	Professional Large Format Display (108 cm or 42 inch or above)	4		
11	8 Port CAT 6 Patch Panel with I/Os	10		
12	12 U Rack Enclosures(Networking/Server Rack)	15		
13	9U Rack Enclosures (Networking/Server Rack)	5		
14	Surge Protection Device	4		
15	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	96		
16	CAT 6 Cable for Indoor use (in mtr)	4785		

17	PVC Pipe laying (in mtr)	2393		
18	Pole _ Mast Suitable for CCTV System (Accessories)	3		
19	Server	1		
20	Storage 1PB	1		
21	Storage 2 PB	1		
22	Network Switch L3	1		
23	42 U Cooling Network Rack with required UPS load	3		
Total With tax				

Note:

1. **Operation and Maintenance Cost (including Manpower cost) for 5 years to be quoted by the bidder should not be less than 30% of sum total of item no. 1 to 30**
2. **The L1 will be decided based on the lowest rate of all line items (Total Price with 5 Years Warranty (With Tax) - Total Buyback value of Cluster -I) mentioned in the above cluster.**
3. **Bidder has to submit the Financial Document Indicating Price Break Up (in the above said prescribed format only) under the financial section of GeM.**
4. **The rate mentioned for Dismantling and Reinstalling Charges shall be valid for the entire contract duration. The above mentioned quantity in Dismantling and Reinstalling Charges are indicative. In the future, if the request for Dismantling and Shifting goes beyond the indicative quantity the bidder is bound to perform Dismantling and Reinstallation activities at the finalized rate under this RFP for the entire contract period.**

Cluster-II

Sr. No.	Items	Qty for Branch Offices	Qty for New PS	Qty for Existing PS	Qty for SP/CP office	Total Qty.	Unit Price With 5 Year Warranty (In Rs.) (With Tax)	Total Price With 5 Years Warranty (In Rs.) (With Tax)
1	Bullet camera For costal area police station	0	3	157	0	160		
2	Dome camera For costal area police station	0	11	424	0	435		
3	Bullet camera	181	299	1820	0	2300		
4	Dome camera	73	113	288	0	474		
5	16 Ch NVR with 12 TB	16	0	0	0	16		
6	16 Ch NVR with 16 TB	20	0	0	0	20		
7	32 Ch NVR with 24 TB	2	25	129	0	156		
8	32 Ch NVR with 32 TB	1	4	49	0	54		
9	8 port network switch	64	62	399	0	525		
10	600 VA Line Interactive UPS ((with 15 Minutes battery backup)	25	33	0	0	58		
11	Online UPS (IS:9000 1KVA)	39	29	178	0	246		
12	Professional Large Format Display (108 cm or 42 inch or above)	39	29	0	0	68		
13	8 Port CAT 6 Patch Panel with I/Os	64	62	0	0	126		
14	12 U Rack Enclosures(Networking/Server Rack)	39	29	178	0	246		
15	9U Rack Enclosures (Networking/Server Rack)	25	33	0	0	58		
16	Surge Protection Device	39	29	0	0	68		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	254	426	712	0	1392		
18	CAT 6 Cable for Indoor use	12700	21300	35600	0	69600		
19	PVC Pipe laying (Laying & Installation Charges)	6350	10650	17800	0	34800		
20	Supply & Installation of Pole _ Mast Suitable for CCTV System (Accessories)	0	29	0	0	29		

21	Server	0	0	0	21	21		
22	Storage 1PB	0	0	0	3	3		
23	Storage 2 PB	0	0	0	18	18		
24	VMS Base lic	0	0	0	21	21		
25	Lic bank	0	0	0	3369	3369		
26	Network Switch L3	0	0	0	12	12		
27	42 U Cooling Network Rack with required UPS load	0	0	0	51	51		
28	Operation and Maintenance Cost (Manpower cost) for 5 years	0	0	0	11	11		
29	Total charge of Dismantling and Reinstallation Charges for cluster-II					1		
Total value with tax								
-Total Buyback value of Cluster -II								
Total value of cluster -II (after deducting total value of buyback of cluster -II) with tax								

Buyback Price (Cluster II)

Sr. No.	Product	Make	Model	Quantity	Unt rate	Total Rate
1	1 MP Fixed Camera with Audio and IR	Dvtel	CM-4221-01	968		
2	1 MP Fixed Camera with Audio	Panasonic	WCSFV611L	2		
3	1 MP Fixed Camera with Audio	Axis	P3374-V / P3375-V	59		
4	1 MP Fixed Camera with Audio	Dvtel	CM-4221-01	221		
5	1 MP Bullet Camera with Audio and IR	Dvtel	CF-4221-00	464		
6	1 MP Bullet Camera with Audio and IR	Axis	P135	77		
7	2 MP , 18x PTZ Camera	Dvtel	CP-4221-201	116		
8	2 MP , 18x PTZ Camera Incudede	AXIS	P5635-E / P5655-E	61		
9	8 Port 10/100 network switch - PoE	CISCO	SG 300 -10P	399		
10	Server with storage for 30 days	Dell	T430	177		
11	UPS (1 KVA /2KVA)	Emerson	1) GXTMT+CX1KLB 2) GXTMT+CX2KLB	177		
12	UPS Battery	Rocket		678		
13	Video Management Software	Dvtel	Latitude V6.3	177		
Total						

Dismantling and Reinstallation Charges for cluster-II

Sr. No.	Product	Quantity	Unt rate (With tax)	Total Rate (with tax)
1	Bullet camera For costal area police station	8		
2	Dome camera For costal area police station	22		
3	Bullet camera	115		
4	Dome camera	24		
5	16 Ch NVR with 12 TB	1		
6	16 Ch NVR with 16 TB	1		
7	32 Ch NVR with 24 TB	8		
8	32 Ch NVR with 32 TB	3		
9	8 port network switch	26		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	3		
11	Online UPS (IS:9000 1KVA)	12		
12	Professional Large Format Display (108 cm or 42 inch or above)	3		
13	8 Port CAT 6 Patch Panel with I/Os	6		
14	12 U Rack Enclosures(Networking/Server Rack)	12		
15	9U Rack Enclosures (Networking/Server Rack)	3		
16	Surge Protection Device	3		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	70		
18	CAT 6 Cable for Indoor use (in mtr)	3480		
19	PVC Pipe laying (in mtr)	1740		
20	Pole _ Mast Suitable for CCTV System (Accessories)	1		

21	Server	1		
22	Storage 1PB	1		
23	Storage 2 PB	1		
24	Network Switch L3	8		
25	42 U Cooling Network Rack with required UPS load	22		
Total With tax				

Note:

1. **Operation and Maintenance Cost (including Manpower cost) for 5 years to be quoted by the bidder should not be less than 30% of sum total of item no. 1 to 27**
2. **The L1 will be decided based on the lowest rate of all line items (Total Price With 5 Years Warranty (With Tax) - Total Buyback value of Cluster -II) mentioned in the above cluster.**
3. **Bidder has to submit the Financial Document Indicating Price Break Up (in the above said prescribed format only) under the financial section of GeM.**
4. **The rate mentioned for Dismantling and Reinstalling Charges shall be valid for the entire contract duration. The above mentioned quantity in Dismantling and Reinstalling Charges are indicative. In the future, if the request for Dismantling and Shifting goes beyond the indicative quantity the bidder is bound to perform Dismantling and Reinstallation activities at the finalized rate under this RFP for the entire contract period.**

Cluster-III

Sr. No.	Items	Qty for Branch Offices	Qty for New PS	Qty for Existing PS	Qty for SP/CP office	Total Qty.	Unit Price With 5 Year Warranty (In Rs.) (With Tax)	Total Price With 5 Years Warranty (In Rs.) (With Tax)
1	Bullet camera For costal area police station	0	6	59	0	65		
2	Dome camera For costal area police station	0	13	143	0	156		
3	Bullet camera	148	392	1760	0	2300		
4	Dome camera	64	159	588	0	811		
5	16 Ch NVR with 12 TB	22	0	0	0	22		
6	16 Ch NVR with 16 TB	12	0	0	0	12		
7	32 Ch NVR with 24 TB	3	19	73	0	95		
8	32 Ch NVR with 32 TB	0	16	83	0	99		
9	8 port network switch	54	86	395	0	535		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	17	51	0	0	68		
11	Online UPS (IS:9000 1KVA)	37	35	156	0	228		
12	Professional Large Format Display (108 cm or 42 inch or above)	37	35	0	0	72		
13	8 Port CAT 6 Patch Panel with I/Os	54	86	0	0	140		
14	12 U Rack Enclosures(Networking/Server Rack)	37	35	156	0	228		
15	9U Rack Enclosures (Networking/Server Rack)	17	51	0	0	68		
16	Surge Protection Device	37	35	0	0	72		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	212	570	624	0	1406		
18	CAT 6 Cable for Indoor use	10600	28500	31200	0	70300		
19	PVC Pipe laying (Laying & Installation Charges)	5300	14250	15600	0	35150		
20	Supply & Installation of Pole _ Mast Suitable for CCTV System (Accessories)	0	35	0	0	35		

21	Server	0	0	0	22	22		
22	Storage 1PB	0	0	0	7	7		
23	Storage 2 PB	0	0	0	15	15		
24	VMS Base lic	0	0	0	22	22		
25	Lic bank	0	0	0	4480	4480		
26	Network Switch L3	0	0	0	11	11		
27	42 U Cooling Network Rack with required UPS load	0	0	0	48	48		
28	Operation and Maintenance Cost (Manpower cost) for 5 years	0	0	0	9	9		
29	Total charge of Dismantling and Reinstallation Charges for cluster-III					1		
							Total value with tax	
							-Total Buyback value of Cluster -III	
							Total value of cluster -III (after deducting total value of buyback of cluster -III) with tax	

Buyback Price (Cluster _III)

Sr. No.	Product	Make	Model	Quantity	Unt rate	Total Rate	
1	1 MP Fixed Camera with Audio and IR	Panasonic	WCSFV611L				
2	1 MP Fixed Camera with Audio	Panasonic	WVSFV611L	1194			
3	1 MP Bullet Camera with Audio and IR	Panasonic	WVSPW611L	576			
4	2 MP , 18x PTZ Camera	Panasonic	WVSW598	156			
5	Server with storage for 30 days	HP	ML 150G9	156			
6	UPS (1 KVA /2KVA)	Emerson	1) GXT-MT+BX 1KL	331			
			2) GXT-MT+CX 2KL	118			
7	UPS Battery	Exide	-	1701			
8	Video Management Software	Milestone	Xprotect Professional	156			
9	Network Switch	HP	-	395			
						Total	

Dismantling and Reinstallation Charges for cluster-III

Sr. No.	Product	Quantity	Unt rate (With tax)	Total Rate (with tax)
1	Bullet camera For costal area police station	3		
2	Dome camera For costal area police station	8		
3	Bullet camera	115		
4	Dome camera	41		
5	16 Ch NVR with 12 TB	1		
6	16 Ch NVR with 16 TB	1		
7	32 Ch NVR with 24 TB	5		
8	32 Ch NVR with 32 TB	5		
9	8 port network switch	27		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	3		
11	Online UPS (IS:9000 1KVA)	11		
12	Professional Large Format Display (108 cm or 42 inch or above)	4		
13	8 Port CAT 6 Patch Panel with I/Os	7		
14	12 U Rack Enclosures(Networking/Server Rack)	11		
15	9U Rack Enclosures (Networking/Server Rack)	3		
16	Surge Protection Device	4		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	70		
18	CAT 6 Cable for Indoor use (in mtr)	3515		

19	PVC Pipe laying (in mtr)	1758		
20	Pole _ Mast Suitable for CCTV System (Accessories)	2		
21	Server	1		
22	Storage 1PB	1		
23	Storage 2 PB	1		
24	Network Switch L3	2		
25	42 U Cooling Network Rack with required UPS load	1		
Total With tax				

Note:

1. **Operation and Maintenance Cost (including Manpower cost) for 5 years to be quoted by the bidder should not be less than 30% of sum total of item no. 1 to 27**
2. **The L1 will be decided based on the lowest rate of all line items (Total Price with 5 Years Warranty (With Tax) - Total Buyback value of Cluster -III) mentioned in the above cluster.**
3. **Bidder has to submit the Financial Document Indicating Price Break Up (in the above said prescribed format only) under the financial section of GeM.**
4. **The rate mentioned for Dismantling and Reinstalling Charges shall be valid for the entire contract duration. The above mentioned quantity in Dismantling and Reinstalling Charges are indicative. In the future, if the request for Dismantling and Shifting goes beyond the indicative quantity the bidder is bound to perform Dismantling and Reinstallation activities at the finalized rate under this RFP for the entire contract period.**

Cluster-IV

Sr. No.	Items	Qty. for Branch Offices	Qty. for New PS	Qty. for Existing PS	Qty. for SP/CP office	Total Qty.	Unit Price With 5 Year Warranty (In Rs.) (With Tax)	Total Price With 5 Years Warranty (In Rs.) (With Tax)
1	Bullet camera For costal area police station	0	6	33	0	39		
2	Dome camera For costal area police station	0	13	76	0	89		
3	Bullet camera	110	127	848	0	1085		
4	Dome camera	30	41	236	0	307		
5	16 Ch NVR with 12 TB	1	0	0	0	1		
6	16 Ch NVR with 16 TB	12	0	0	0	12		
7	32 Ch NVR with 24 TB	0	12	50	0	62		
8	32 Ch NVR with 32 TB	2	1	27	0	30		
9	8 port network switch	32	27	181	0	240		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	17	14	0	0	31		
11	Online UPS (IS:9000 1KVA)	15	13	77	0	105		
12	Professional Large Format Display (108 cm or 42 inch or above)	15	13	0	0	28		
13	8 Port CAT 6 Patch Panel with I/Os	32	27	0	0	59		
14	12 U Rack Enclosures(Networking/Server Rack)	15	13	77	0	105		
15	9U Rack Enclosures (Networking/Server Rack)	17	14	0	0	31		
16	Surge Protection Device	15	13	0	0	28		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	140	187	308	0	635		
18	CAT 6 Cable for Indoor use	7000	9350	15400	0	31750		
19	PVC Pipe laying (Laying & Installation Charges)	3500	4675	7700	0	15875		
20	Supply & Installation of Pole _ Mast Suitable for CCTV System (Accessories)	0	13	0	0	13		

21	Server	0	0	0	10	10		
22	Storage 1PB	0	0	0	2	2		
23	Storage 2 PB	0	0	0	8	8		
24	VMS Base lic	0	0	0	10	10		
25	Lic bank	0	0	0	1520	1520		
26	Network Switch L3	0	0	0	4	4		
27	42 U Cooling Network Rack with required UPS load	0	0	0	22	22		
28	Operation and Maintenance Cost (including Manpower cost) for 5 years	0	0	0	4	4		
29	Total charge of Dismantling and Reinstallation Charges for cluster-IV					1		
							Total value with tax	
							-Total Buyback value of Cluster -IV	
							Total value of cluster -IV (after deducting total value of buyback of cluster -IV) with tax	

Buyback Price (Cluster IV)

Sr. No.	Product	Make	Model	Quantity	Unt rate	Total Rate
1	1 MP Fixed Camera with Audio and IR	Dvtel	CM-4221-01	422		
2	1 MP Fixed Camera with Audio	Panasonic	WCSFV611L	7		
3	1 MP Fixed Camera with Audio	Axis	P3374-V / P3375-V	14		
4	1 MP Fixed Camera with Audio	Dvtel	CM-4221-01	116		
5	1 MP Bullet Camera with Audio and IR	Dvtel	CF-4221-00	233		
6	1 MP Bullet Camera with Audio and IR	Axis	P135	16		
7	2 MP , 18x PTZ Camera	Dvtel	CP-4221-201	48		
8	2 MP , 18x PTZ Camera	AXIS	P5635-E / P5655-E	29		
9	8 Port 10/100 network switch - PoE	CISCO	SG 300 -10P	181		
10	Server with storage for 30 days	Dell	T430	77		
11	UPS (1 KVA /2KVA)	Emerson	1) GXTMT+CX1KLB 2) GXTMT+CX2KLB	77		
12	UPS Battery	Rocket	-	312		
13	Video Management Software	Dvtel	Latitude V6.3	77		
						Total

Dismantling and Reinstallation Charges for cluster-IV

Sr. No.	Product	Quantity	Unt rate (With tax)	Total Rate (with tax)
1	Bullet camera For costal area police station	2		
2	Dome camera For costal area police station	4		
3	Bullet camera	54		
4	Dome camera	15		
5	16 Ch NVR with 12 TB	1		
6	16 Ch NVR with 16 TB	1		
7	32 Ch NVR with 24 TB	3		
8	32 Ch NVR with 32 TB	2		
9	8 port network switch	12		
10	600 VA Line Intrective UPS ((with 15 Minutes battery backup)	2		
11	Online UPS (IS:9000 1KVA)	5		
12	Professional Large Format Display (108 cm or 42 inch or above)	1		
13	8 Port CAT 6 Patch Panel with I/Os	3		
14	12 U Rack Enclosures(Networking/Server Rack)	5		
15	9U Rack Enclosures (Networking/Server Rack)	2		
16	Surge Protection Device	1		
17	Cat 6 Patch cord (Cat-6 Factory Crimped Patch Cord, 3 feet)	32		
18	CAT 6 Cable for Indoor use (in mtr)	1588		
19	PVC Pipe laying (in mtr)	794		
20	Pole _ Mast Suitable for CCTV System	1		

	(Accessories)			
21	Server	1		
22	Storage 1PB	1		
23	Storage 2 PB	1		
24	Network Switch L3	1		
25	42 U Cooling Network Rack with required UPS load	1		
Total With tax				

Note:

1. **Operation and Maintenance Cost (including Manpower cost) for 5 years to be quoted by the bidder should not be less than 30% of sum total of item no. 1 to 27**
2. **The L1 will be decided based on the lowest rate of all line items (Total Price with 5 Years Warranty (With Tax) - Total Buyback value of Cluster -IV) mentioned in the above cluster.**
3. **Bidder has to submit the Financial Document Indicating Price Break Up (in the above said prescribed format only) under the financial section of GeM.**
4. **The rate mentioned for Dismantling and Reinstalling Charges shall be valid for the entire contract duration. The above mentioned quantity in Dismantling and Reinstalling Charges are indicative. In the future, if the request for Dismantling and Shifting goes beyond the indicative quantity the bidder is bound to perform Dismantling and Reinstallation activities at the finalized rate under this RFP for the entire contract period.**

5. Annexure

7.1. Annexure A - Undertaking by Bidder as per Ministry of Finance

On letterhead of Bidder

Sub: Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020 published by Ministry of Finance, Dept. of Expenditure, Public Procurement division

Ref: Bid Number: _____

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that we as a bidder and quoted product from following OEMs are not from such a country or, if from such a country, these quoted products OEM has been registered with competent authority. I hereby certify that these quoted product & its OEM fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number_____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority, otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)

Authorized Signatory of **M/s <<Name of Company>>**

7.2. Annexure B - Undertaking by OEM as per Ministry of Finance

On letterhead of OEM

Sub: Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020 published by Ministry of Finance, Dept. of Expenditure, Public Procurement division

Ref: Bid Number: _____

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that we as a bidder and quoted product from following OEMs are not from such a country or, if from such a country, these quoted products OEM has been registered with competent authority. I hereby certify that these quoted product & its OEM fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number _____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority, otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)

Authorized Signatory of **M/s <<Name of Company>>**

7.3. Annexure C - Format of EMD Bank Guarantee

Format of Earnest Money Deposit in the form of Bank Guarantee

Ref: _____ Bank Guarantee No. _____
Date: _____

To,
DGM (Technical)
Gujarat Informatics Limited
Block No.2, 2nd Floor, Karmayogi Bhavan,
Gandhinagar - 382017
Gujarat, India

Whereas ----- (here in after called "the Bidder/Seller"))
has submitted its bid dated ----- in response to the GeM bid No----- Bid for Selection
of Agency for Supply, Installation, Commissioning and warranty support of various Equipments for
the Implementation of Video Surveillance System at various police station KNOW ALL MEN by these
presents that WE -----
----- having our registered office at -----
----- (hereinafter called "the Bank") are bound unto the Gujarat Informatics
Limited in the sum of ----- for which payment well and truly to be made to Gujarat
Informatics Limited , the Bank binds itself, its successors and assigns by these presents. Sealed with
the Common Seal of the said Bank this -----day of -----2022.

THE CONDITIONS of this obligation are:

1. The E.M.D. may be forfeited:
 - a. if a Bidder withdraws its bid during the period of bid validity
 - b. Does not accept the correction of errors made in the tender document;
 - c. In case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract as mentioned above within the time limit stipulated by purchaser or
 - (ii) To furnish performance bank guarantee as mentioned above or
 - (iii) If the bidder is found to be involved in fraudulent practices.
 - (iv) If the bidder fails to submit the copy of purchase order & acceptance thereof.

We undertake to pay to the GIL/Purchaser up to the above amount upon receipt of its first written demand, without GIL/ Purchaser having to substantiate its demand, provided that in its demand GIL/ Purchaser will specify that the amount claimed by it is due to it owing to the occurrence of any of the abovementioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to **9 months** from the date of bid submission. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended

provided that a written request for such extension is received before the expiry of validity of guarantee.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Dated at _____ on this _____ day of _____ 2022.

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

(Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/4/2022/0002/DMO dated 20/05/2022 issued by Finance Department or further instruction issued by Finance department time to time)

7.4. Annexure D - Storage Capacity

1. Police station level Network Video recorder with required storage with 1 Month storage capacity

Sr. No.	Items	Cluster-I	Cluster-II	Cluster-III	Cluster-IV	Total Qty.
1	16 Ch NVR with 12 TB Storage	14	16	22	1	53
2	16 Ch NVR with 16 TB Storage	21	20	12	12	65
3	32 Ch NVR with 24 TB Storage	138	156	95	62	451
4	32 Ch NVR with 32 TB Storage	127	54	99	30	310

2. SP/CP office-level storage with 18 Month storage capacity

2.1 Cluster-I

Sr. No.	Dist.	Camera qty for Branch Office	Camera qty for Newly constructed PS	Camera qty for Old PS	Total Camera Qty.	For 18 Month Required storage (PB)	Required Server	Storage with RAID-5 + Hot-Spare (2PB)	Storage with RAID-5 + Hot-Spare (1PB)	42 U Cooling Rack
1	Ahmedabad (CITY)	26	418	957	1401	15.35	8	8		17
2	Ahmedabad Rural	6	56	316	378	4.14	2	2		5
3	Anand	30	14	315	359	3.93	2	2		5
4	Aravalli	24	28	146	198	2.28	1	1		3
5	Dahod	18	56	239	313	3.43	2	2		5
6	Gandhinagar	30	61	263	354	3.88	2	2		5
7	Kheda (Nadiad)	24	14	285	323	3.54	2	2		5
8	Mahisagar	16	56	115	187	2.05	1	1		3
9	Mehsana	34	28	350	412	4.52	3	2	1	6
10	Panchmahal	14	61	211	286	3.13	2	1	1	4
11	Sabarkantha	28	28	213	269	3.09	2	1	1	4
		250	820	3410	4480	49.35288	27	24	3	62

2.2 Cluster-II

Sr. No.	Dist.	Camera qty for Branch Office	Camera qty for Newly constructed PS	Camera qty for Old PS	Total Camera Qty.	For 18 Month Required storage (PB)	Required Server	Storage with RAID-5 + Hot-Spare (2PB)	Storage with RAID-5 + Hot-Spare (1PB)	42 U Cooling Rack
1	Amreli	20	14	318	352	3.75	2	2		5
2	Bhavnagar	22	42	413	477	5.23	3	2	1	6
3	Botad	12	33	93	138	1.51	1	1		3
4	Devbhoomi Dwarka	26	28	107	161	1.76	1	1		3
5	Gir Somnath	12	28	149	189	2.07	1	1		3
6	Jamnagar	22	28	221	271	2.97	2	1	1	4
7	Junagadh	34	42	303	379	4.15	2	2		5
8	Morbi	16	28	127	171	1.87	1	1		3
9	Porbandar	32	14	167	213	2.33	2	1	1	4
10	Rajkot (CITY)	22	71	224	317	3.47	2	2		5
11	Rajkot (Rural)	18	28	298	344	3.77	2	2		5
12	Surendranagar	18	70	269	357	3.91	2	2		5
		254	426	2689	3369	36.81464	21	18	3	51

2.3 Cluster-III

Sr. No.	Dist.	Camera qty for Branch Office	Camera qty for Newly constructed PS	Camera qty for Old PS	Total Camera Qty.	For 18 Month Required storage (PB)	Required Server	Storage with RAID-5 + Hot-Spare (2PB)	Storage with RAID-5 + Hot-Spare (1PB)	42 U Cooling Rack
1	Bharuch	30	14	408	452	4.95	3	2	1	6
2	Chhota Udaipur	6	47	137	190	2.08	1	1		3
3	Dang (Ahwa)	6	14	56	76	0.83	1	0	1	2
4	Narmada	12	28	140	180	1.97	1	1		3
5	Navsari	30	33	169	232	2.54	2	1	1	4
6	Surat (CITY)	8	185	509	702	6.86	4	3	1	8
7	Surat (Rural)	24	42	177	243	2.66	2	1	1	4
8	Tapi	10	14	135	159	1.74	1	1		3
9	Vadodara (CITY)	38	109	400	547	6.00	3	3		7
10	Vadodara	30	56	189	275	2.71	2	1	1	4

	(Rural)									
11	Valsad	18	28	230	276	2.88	2	1	1	4
		212	570	2550	3332	35.2364	22	15	7	48

2.4 Cluster-IV

Sr. No.	Dist.	Camera qty for Branch Office	Camera qty for Newly constructed PS	Camera qty for Old PS	Total Camera Qty.	For 18 Month Required storage (PB)	Required Server	Storage with RAID-5 + Hot-Spare (2PB)	Storage with RAID-5 + Hot-Spare (1PB)	42 U Cooling Rack
1	Banaskantha	28	14	420	462	5.06	3	2	1	6
2	Kutch (East) Gandhidham	54	28	218	300	3.29	2	2		5
3	Kutch (West) Bhuj	34	117	299	450	4.93	3	2	1	6
4	Patan	24	28	256	308	3.38	2	2		5
		140	187	1193	1520	16.6592	10	8	2	22

Note:

1. The above storage and server requirements are minimum indicative requirement. The bidders are advised to carry out a detailed assessment of the storage and server requirements to fulfill the objectives of this RFP. Any additional storage or server requirements for the same as a part of solution. The same has to be managed by the bidder at no additional cost to the tenderer.
2. The storage calculation has been done considering usable storage capacity for 25 fps, 1920x1080 resolution, H.265 compression and 24 hrs per day.

7.5. Annexure-E - Installed Equipment Make and Model

Police Station CCTV Project: Installed Equipment Make and Model

Cluster – 2 & 4

Sr. No.	Product	Make	Model
1	1 MP Fixed Camera with Audio and IR	Dvtel	CM-4221-01
2	1 MP Fixed Camera with Audio	Panasonic	WCSFV611L
3	1 MP Fixed Camera with Audio	Axis	P3374-V / P3375-V
4	1 MP Fixed Camera with Audio	Dvtel	CM-4221-01
5	1 MP Bullet Camera with Audio and IR	Dvtel	CF-4221-00
6	1 MP Bullet Camera with Audio and IR	Axis	P135
7	2 MP , 18x PTZ Camera	Dvtel	CP-4221-201
8	2 MP , 18x PTZ Camera	AXIS	P5635-E / P5655-E
9	8 Port 10/100 network switch - PoE	CISCO	SG 300 -10P
10	Server with storage for 30 days	Dell	T430
11	UPS (1 KVA /2KVA)	Emerson	1) GXTMT+CX1KLB 2) GXTMT+CX2KLB
12	UPS Battery	Exide	-
13	Video Management Software	Dvtel	Latitude V6.3

Cluster – 1 & 3

Sr. No.	Product	Make	Model
1	1 MP Fixed Camera with Audio and IR	Panasonic	WCSFV611L
2	1 MP Fixed Camera with Audio	Panasonic	WVSFV611L
3	1 MP Bullet Camera with Audio and IR	Panasonic	WVSPW611L
4	2 MP , 18x PTZ Camera	Panasonic	WVSW598
5	Server with storage for 30 days	HP	ML 150G9
6	UPS (1 KVA /2KVA)	Emerson	1) GXT-MT+BX 1KL 2) GXT-MT+CX 2KL
7	UPS Battery	Exide	-
8	Video Management Software	Milestone	Xprotect Professional

Format XI – Undertaking from Bidder

(On letterhead of Bidder)

Sub: Undertaking for Sub-Contracting

Tender Ref No:

Dear Sir,

I had submitted bid for the bid no. _____ for executing the work defined in the bid document along with its various corrigendum. We have seen the RFP in totality pertaining to “Sub Contracting”

We hereby wish to provide our written confirmation w.r.t. to clause of the RFP document regarding Sub Contracting that the project will be implemented by us only and we will only sublet the work allowed in the said clause with prior approval of the client’s competent authority. We further wish to confirm that all the ordering to the quoted OEMs will be done by us.

We are fully aware that any deviation to the said clause will leads to the disqualification/termination/EMD/PBG forfeiture. We will be submitting proofs of procurement done by us to the clients competent authority as compliance (Purchase Orders/Invoices/Work Orders given to various OEMs)

(Signature)

Authorized Signatory of **M/s <<Name of Company>>**