

## Revised Bid Document

**Name of Work:** Selection of Agency for Supply, Installation, Commissioning and warranty & maintenance support of various Equipments for the Implementation of Video Surveillance System at various District & sub-jail on behalf of Office of the Addl. D. G. P. & Inspector General of Prisons, Gujarat State

RFP.NO. GIL\Jails\Video Surveillance\2017-18

DATE: 28.03.2018

**TENDERER:** Office of the Addl. D. G. P. & Inspector General of Prisons, Ahmedabad

**Pre-Bid Meeting:**

**Date & Time:** Completed

**Venue:** Gujarat Informatics Limited  
Block No. 1, 8<sup>th</sup> Floor, Udyog Bhavan,  
Sector 11, Gandhinagar – 382 010

**Bid Due Date:** 11.04.2018 up to 1500 hrs.

**Un-priced Bid Opening:**

**Date & Time:** 11.04.2018 at 1700 hrs.

**Venue:** Gujarat Informatics Limited  
Block No. 1, 8<sup>th</sup> Floor, Udyog Bhavan,  
Sector 11, Gandhinagar - 382 010

**Bidding Agency Address:**

**Gujarat Informatics Limited**  
Block No. 1, 8<sup>th</sup> Floor, Udyog Bhavan,  
Sector 11, Gandhinagar - 382 010  
Phone No.: 079 - 232 56022, Fax No.: 079 - 232 38925  
Website: [www.gil.gujrat.gov.in](http://www.gil.gujrat.gov.in)

**Note:** Please address all queries and correspondence to

**DGM (Tech)**

Gujarat Informatics Limited,  
8<sup>th</sup> Floor, Block No.1, Udyog Bhavan,  
Sector 11, Gandhinagar 382 010  
Phone: 079 - 232 56022  
E-mail: [viveku@gujarat.gov.in](mailto:viveku@gujarat.gov.in)

## Introduction

Gujarat Informatics Limited (GIL), on behalf of Office of the Addl. D. G. P. & Inspector General of Prisons, Ahmedabad (herein after referred as the "TENDERER") invites the bid for Selection of Agency for Supply, Installation and Commissioning of various Equipment's for the Implementation of Video Surveillance System at various District & sub-jails.

The selected Agency shall be fully capable and experienced in the work of carrying out Video Surveillance / CCTV System including Application Software.

The Selected Agency must have trained and certified manpower including technicians capable of carrying out this job. The agency is required to deploy the trained & experienced manpower for this project.

Successful bidder will have to supply, install & perform the acceptance test of the supplied equipment(s) at each location as per terms and conditions of the bid document.

Bidder is requested to offer the cost for all the items and all the accessories as mentioned in bid document. GIL does not guarantee any fixed quantity at the time of signing the tender.

Bids are hereby invited from the Bidders having capability and resources in supplying & carrying out Video Surveillance System at various jails as per the details in bid.

Proposal in the form of BID are requested for the item(s) in complete accordance with the documents to be uploaded as per following guidelines:

- 1) Bidder shall submit their bids on <https://www.gil.nprocure.com>.
- 2) The Bidder will have to remit Non-Refundable Bid Processing Fees of **Rs. 15,000/-** & Earnest Money Deposit (E.M.D.) of **Rs. 35,00,000/-** (Rupees thirty-five lakhs) (Refundable) **on or before the date & hours of submission of bid (i.e. 11.04.2018 up to 1500 Hrs)** in a sealed cover at GIL office with the heading "Bid processing fees & EMD for RFP no. GIL\Jails\Video Surveillance\2017-18 for Selection of Agency for Supply, Installation, Commissioning and warranty & Maintenance support of various Equipment's for the Implementation of Video Surveillance System at jails."
  - a. Bid processing fees must be in the form of Demand Draft in the name of "Gujarat Informatics Ltd." payable at Gandhinagar along with the covering letter.
  - b. EMD as mentioned above, shall be submitted in the form of Demand Draft 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 as per prescribed format given at Annexure A) and must be submitted along with the covering letter.
  - c. Please affix the stamp of your company on the overleaf of demand draft.
  - d. **Note:** Failing to submit physical covers of EMD and bid processing fees at GIL on or before **11.04.2018 up to 1500 Hrs** may lead to the rejection of the bid
- 3) The bid shall specify time schedule of various activities.
- 4) Bid complete in all respects should be uploaded on or before the Bid due date.
- 5) Interested and eligible Bidders are required to upload the eligibility related document in Eligibility Bid Section, technical related document in Technical Bid Section & commercial bid in Commercial Bid Section. The Bids should be accompanied by a bid security & bid processing fees (non-refundable) as specified in this Bid Document. The Eligibility, Technical & Commercial Bid must be uploaded to

<https://gil.nprocure.com> & the Bid Security and Bid Processing Fees must be delivered to the office of Gujarat Informatics Ltd.

- 6) **The Bidder may quote only one option (i.e. one products can be quoted) against each item.** 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).
- 7) The Bid Processing Fees & Bid Security Section and Eligibility Section will be opened on the specified date & time in presence of the committee members and representatives of the bidders who choose to attend. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process.
- 8) Services offered should be strictly as per requirements mentioned in this Bid document. Please spell out any unavoidable deviations, Clause / Article-wise in your bid under the heading Deviations.
- 9) Once quoted, the bidder shall not make any subsequent price changes, whether resulting or arising out of any technical/commercial clarifications sought regarding the bid, even if any deviation or exclusion may be specifically stated in the bid. Such price changes shall render the bid liable for rejection.

## Section - 1

### Eligibility Criteria

1. The Bidder should be a company registered under Companies Act, 1956/2013 and should have been operating for the last three years as on bid issuance date.
2. The bidder should have a **minimum turnover of Rs. 50 Crore** in each of the last three financial years as on **31<sup>st</sup> March 2017**. The copies of Audited Annual Accounts/Balance Sheet along with Profit & Loss Account for last three years shall be attached along with the bid in case audited Balance Sheet is not available CA Certificate for the same has to be submitted. (Form no. E-1)
3. The bidder should have local presence and should have an office in Gujarat. In case bidder does not have office in Gujarat, bidder should give an undertaking to open an office in Gujarat within 45 days from the date of award of work order.

Please attach the copies of any two of the following: Property Tax Bill of last year/Electricity Bills of last one year/Telephone Bills of last one year/VAT Registration/CST Registration/Valid Lease Agreement. (Form no. E-2).

4. The Bidder shall have experience of successful execution of at least **1 project of IP CCTV surveillance** system involving supply, installation, testing & commissioning, operations and maintenance service during the last three years as on the bid submission date having **Minimum value of Rs. 5 crores in India**.  
Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted (Form no. E-3)
5. Bidder should attach Authorization certificate from the OEM of the equipment specified in Form, for the authenticity, authorized representation and after sales support. (Form no. E-4)
6. Bidder should be ISO 9001:2008/2015 in System Integration at the time of bidding (Form No. E-5)
7. Bidder should not be blacklisted by any Ministry of Government of India or by Government of any other State in India or by Government of Gujarat or any of the Government PSUs at the time of bidding.
8. **Eligibility Criteria of OEM's:**

8.1. The OEM of the CCTV Camera should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, distribution partners will not be considered. Please attach the copies of any two of the following: Property Tax Bill of last year/Electricity Bills of last one year/Telephone Bills of last one year/VAT Registration/CST Registration/Valid Lease Agreement/certificate of incorporation. (Form no. E-6)

8.2. The OEM of the IP CCTV camera, Server, Storage, firewall and networking equipment should not be a company having its major shareholding stake by any government or its entity or originated/founded by personnel of Defense origin.

8.3. The OEM of the IP CCTV Camera should have an installation base in a single project in India containing minimum 500 IP CCTV Cameras (of quoted camera brand) **OR** 2 projects containing minimum 250 IP CCTV Cameras (of quoted camera brand). Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. **(Form no. E-7)**

8.4. OEM for networking equipment's should be in the Gartner magic Quadrant report for Wired and Wireless LAN, **2017**.

8.5. OEM for Firewall equipment's should be in the Gartner magic Quadrant report for Enterprise Network Firewalls, 2017.

8.6. The OEM for Storage solution should be in the leadership position in any two of the last three years (2014, 2015 & 2016) Gartner Magic Quadrant report for General Purpose Disk Arrays.

8.7. The OEM for Server should be present in any of the Quadrant of the Gartner's Magic Quadrant Report for Modular servers 2016.

**Note:** All the details and the supportive documents for the above-mentioned items should be uploaded in eligibility section in the bid.

Bidders who wish to participate in this bid will have to register on <https://gil.nprocure.com>. Further bidders who wish to participate in online bids will have to procure Digital Certificate as per Information Technology Act 2000 using which they can sign their electronic bids. Bidders can procure the same from (n) code solutions – a division of GNFC Ltd., or any other agency licensed by Controller of Certifying Authority, Govt. of India. Bidders who already have a valid Digital Certificate need not procure a new Digital Certificate.

## Section - 2

### **2.1 Scope of Work**

The Bidder under the scope of work this RFP is required to Supply, Installation and Commissioning of Equipment's for the Implementation of Video Surveillance System at various Jails spread across the state (herein after referred to as the "SITE"), on behalf of the Office of the Inspector General (Prison), Ahmedabad, 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. The location of the various jails is as mentioned in Annexure I

The complete scope of work would broadly be: design, engineering, supply, testing, installation, commissioning & maintenance of all project deliverables.

Unit cost is required to be offered for all the items as requested with 5 (Five) year warranty. All equipment including material to be installed by the Bidder shall be new and the product should not be declared end of support for 7 (seven) years and end of production for the next 2 (Two) years by the OEM's. A certificate to that effect should be furnished from OEM on its letter head confirming the same. All equipment shall conform to the codes, standards and regulations applicable and benefit from the usual manufacturer's guarantees.

### **2.1 Detailed Scope of Work**

#### **2.1.1 Scope of work for IP Video Surveillance / CCTV System:**

1. The Scope of complete work would broadly include Design, Engineering, Supply, Testing, Installation, Commissioning, Site Acceptance Test, Training, Documentation, Warranty and Maintenance.
2. Supply, Installations, Testing & Commissioning of High performance IP based video surveillance system with complete recording and storage solution.
3. The scope is to Supply, Installation, Testing and Commissioning of the entire system end-to-end. 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.
4. 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.
5. The Successful Bidder has to furnish working drawings and as-built drawings, which shall be an essential component of commissioning.
6. **Camera installation in Jails:**
  - i. During the installation, the camera lens position has to be adjusted to get the desired view in the specific location.
  - ii. The cameras should be configured with a suitable IP address as per the IP addressing scheme in the Jail.
  - iii. The camera should be configured in such a way images and video feeds can be identified distinctively/easily.
  - iv. 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.
7. **Control Center at Jails:**
  - i. This shall include the supply, installation, commissioning & testing of Workstation, Monitors, network switches, keyboard, video management software with adequate user licenses, along with cabinets, enclosures, fixtures, cables, connectors and any other devices, peripherals required for the proper functioning of various components. The Control center will be located in a separate room within the same campus or as decided by respective jails/office of the TENDERER.

- ii. The local video management software shall be configured to view all the cameras in the site in a single screen.
  - iii. 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.
  - iv. The images, video feeds displayed on the VMS should display the camera ID for identification.
  - v. The Control Room shall have Server for recording and storage's for keeping the recorded video feeds along with workstations for monitoring the same. Further each SITE will also have a video wall in a segment as defined in Annexure-I to this RFP.
  - vi. The solution should be configured in such a way, so that the video feeds would be kept for 30 days. After 30 days, the video feeds would be overwritten unless it is flagged or marked by the Police/appropriate authority for investigation or any other purpose.
  - vii. Bidder has to install AC in the control room. AC should be installed in such a way that, all the equipment's will get proper cooling in the control room.
  - viii. The bidder will also have to provide the Operator console (table and chair) in the control room.
8. In future if, the TENDERER, wants to monitor camera remotely then the proposed solution shall be capable for the same.

**9. Face Recognition System:**

- Bidder is responsible for supply, installation and commissioning of face recognition system at each jail.
  - Bidder is responsible for integration of the system with existing database of state and national crime records such as e-GujCop, CCTNS etc.
  - The system should be able to generate alarm, send email and SMS automatically on registered Numbers and email ids on identification of preloaded face image(s) by the system.
  - The system should be capable enough to match criminal photograph in live/stored video.
  - The system shall be installed at the entry/exit points of the respective jail premises for the controlled access.
10. Bidder is required to provide video management software along with the required licenses for viewing of all the cameras. Required licenses will be procured centrally however VMS along with its licenses will be deployed and installed based on the actual the requirement of each SITE.
  11. User should be able to connect all the VMS software/all Camera in the campus to Client Software and be able to monitor / view all the cameras from single workstation.
  12. Further, there will be an additional viewing location of all the video feeds at the respective SITE.
  13. All the hardware and software features mentioned in the tender specifications should be available at the time of submission of tender. The TENDERER / GIL may ask for a demo of IP cameras and related software as per tender.
  14. **System Training:** This shall include providing 4-week 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 have to be borne by the bidder.
  15. The bidder has to provide on-site warranty for all equipment's as mentioned in RFP.
  16. The bidder has to depute qualified and experienced dedicated on-site technical resource for the duration as desired by the TENDERER, they should have working knowledge of IP CCTV surveillance system, VMS, SERVER, Network Switch, log the calls and monitor/Follow-up with the concern for resolutions complaint etc. The bidder shall quote the rate for 01 Nos. such technical resource in the price bid. The department may request the bidder to deploy the required technical resources during the contract tenure at the identified rates.
  17. This deployed resource should be present during the normal office hour. However, if required he shall remain present beyond office hours as per the requirement of the Office.
  18. Deputed resource should be having adequate knowledge regarding troubleshooting of computer C.P.U., IP CCTV camera, VMS and other IT peripherals.

19. Appropriate call register and ticket handling status system should be in place to log and track troubleshooting activity.
20. **Structured Cabling work (OFC, CAT 6):**
- i. Bidder is responsible for laying of required LAN, OFC cables along with its required accessories like PVC Conduit, HDPE Pipe, GI Pipe, LIU, Pig tail, laying, reinstating the site in its original condition, casing, capping, tagging etc.) for the surveillance infrastructures asked in the RFP. Bidder has to follow industry best practices of structured cabling like proper laying, tagging, capping, casing, clamping etc.
  - ii. Bidder is responsible for laying of required LAN, OFC cables along with its required accessories like PVC Conduit, HDPE Pipe, GI Pipe, LIU, Pig tail, laying, reinstating the site in its original condition, casing, capping, tagging etc.) for viewing of live video feed of Ahmedabad central jail at Jail bhavan Ahmedabad also (approx distance 1000 meter). However, bidder is requested to assess the exact distance between the locations before bid submission.
  - iii. **Best practices of OFC/CAT 6 cable Laying:**
    - ⇒ Based on the requirement of the RFP bidder will have to lay the Fiber, CAT6 cable, the same has to be underground only. The Below mentioned best practices to be followed for Underground Cable Laying:
      - The Under-Ground Cables should be buried to a depth such that the top of the cable is One meter (0.5 Meter) below the normal ground level.
      - Excavations of trench 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 are through pipes/ ducts.
      - Placing of Half round RCC Pipes / Stones slabs /Pre-cast RCC Slabs /Layer of Bricks
      - All the cables should be weather proof, outdoor grade & as per BIS standard.
      - OFC should be of TEC/ANSI/TIA/EIA Standard Compliant make only. The bidder is required to submit necessary supporting document in this regard along with the Technical Bid Document.
      - Proper Route marker/indicators for OFC cable should be placed for every 100 meters.
      - Digging and burying of OFC cable 1Km. Length and the OFC cables are to be laid in buried HDPE pipes.
      - Back filling in compacting of the excavated trenches according to the constructions specifications and removal of excess earth from the site. Restoration of site in original condition upon completion of work.
  - iv. The bidder will have to submit layout diagram indicating the location of equipment to be installed to respective Jails / Office of the TENDERER for approval before implementation. The bidder has to use the existing infrastructure of LAN, if available at each location. The bidder has to take approval of respective jails / Office of the TENDERER for Schematics Diagram (Layout) within 15 days from the date of Work Order for Cabling & laying work. Jailor/superintendent of the concern jail will decide the location of installation within maximum 15 days from the date of Work Order.
  - v. The Bidder for better understanding may visit the site(s) with prior written permission from the TENDERER before submission of their bid. The bidder will have to do its own assessment/measurements for finalization of scope of work / supply before submission of their bid.
  - vi. Installation, termination and identification of wiring between station outlets and equipment room shall be considered part of the bidder work.
  - vii. All balanced twisted pair cable terminations shall comply with, and be tested to TIA/EIA568-B standards for Category 6 installations.
  - viii. The Successful Bidder has to furnish working drawings and as-built drawings, which shall be an essential component of commissioning.
  - ix. The Bidder shall follow and adhere to the required References & Standards during the installation and commissioning:
    - TIA / EIA
    - International Electro Technical Commission (IEC)



- European Committee for Electro Technical Standardization (CENELEC)
  - National Fire Protection Association (NFPA)
- x. The Passive Components of structured cabling distribution network will be free from manufacturing defects in material and workmanship under normal and proper use.
21. Installation of Active Components: The bidder shall be responsible for:
- i. Supply, Installations, 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 have to be connected to the switches.
  - iv. UPS installation along with necessary electrification is required to connect UPS to Mains and Workstation, Switches & Server to UPS.

## **2.2 Maintenance, Service and Support :-**

The bidder shall further 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 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 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.

**2.2.1 Preventive Maintenance:** 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.

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.

---

## Section - 3

### Instructions to Bidders

#### **ARTICLE - 1: GENERAL INSTRUCTION TO BIDDERS**

All information supplied by Bidders may be treated as contractually binding on the Bidders on successful award of the assignment by the TENDERER on the basis of this RFP. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of the TENDERER. Any notification of preferred bidder status by the TENDERER shall not give rise to any enforceable rights by the Bidder. TENDERER may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of GIL. This RFP supersedes and replaces any previous public documentation, communications, and Bidders should place no reliance on such communications. The TENDERER/ GIL may terminate the RFP process at any time and without assigning any reason. GIL make no commitments, express or implied, that this process will result in a business transaction with anyone.

#### **ARTICLE - 2: COST OF BIDDING**

- 2.1 The Bidder shall bear all costs associated with the preparation and submission of the Bid and Gujarat Informatics Ltd (GIL) \ THE OFFICE will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.
- 2.2 Bidder is requested to pay **Rs. 15,000/-** as a bid processing fee (Non-refundable) & Earnest Money Deposit (E.M.D.) of **Rs. 35,00,000/-** (Rupees thirty-five lakh only) (Refundable). In case of non-receipt of bid processing fees & EMD the bid will be rejected by GIL.

#### **ARTICLE - 3: BIDDING DOCUMENTS**

The Bidder(s) can download the bid document and further amendment if any freely available on <https://www.gil.gujarat.gov.in> and <https://www.gil.nprocure.com> and submit the bid on <https://www.gil.nprocure.com> on or before due date & time of the tender. Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submits a Bid not substantially responsive to the bidding documents in every respect may result in the rejection of the Bid. Under no circumstances physical bid will be accepted.

#### **ARTICLE - 4: CLARIFICATION ON BIDDING DOCUMENTS & PRE-BID MEETING:**

- 4.1 Bidders can seek written clarifications up to **5 days before pre bid meeting** to DGM(Tech.), Gujarat Informatics Ltd., 8<sup>th</sup> Floor, Block No. 1, Udyog Bhavan Gandhinagar 382 010 and pre-bid meeting will be held as per the schedule. GIL / TENDERER will try to clarify & issue amendments if any to all the bidders in the pre-bid meeting. No further clarification what so ever will be entertained after the bid submission date.

#### **ARTICLE - 5: AMENDMENT OF BIDDING DOCUMENTS**

- 5.1 At any time prior to the deadline for submission of bids, The TENDERER / GIL, for any reason, whether at its own initiative or in response to the clarifications requested by prospective bidders may modify the bidding documents by amendment.
- 5.2 All prospective bidders are requested to browse our website & any amendments / corrigendum / modification will be notified on our website and such modification will be binding on them. Bidders are also requested to browse the website of GIL/GoG i.e. [www.gujaratinformtics.com](http://www.gujaratinformtics.com) & [www.gil.nprocure.com](https://www.gil.nprocure.com) for further amendments if any.
- 5.3 In order to allow prospective bidders a reasonable time to take the amendment into account in preparing their bids, GIL / TENDERER, at its discretion, may extend the deadline for the submission of bids.

#### **ARTICLE - 6: LANGUAGE OF BID**

The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and GIL / THE OFFICE shall be in English. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in English. For purposes of interpretation of the bid, the translation shall govern.

#### **ARTICLE - 7: SECTIONS COMPRISING THE BIDS**

- 7.1 The quotation should be scan-able and distinct without any option stated in.
- 7.2 The bid submitted shall have the following documents:
- a) EMD & Bid Processing Fees Section:  
The EMD (refundable) & bid processing fee (non-refundable) to be furnished to GIL office on or before date & hours of submission of bid in a sealed cover super scribed with the bid document number. The details are required to be filled in this section.
  - b) Eligibility & Technical Section:
    - i. Clause by clause Compliance statement for Bid document including annexure to be uploaded.
    - ii. All deviations and / or non-compliance clauses shall be listed separately & uploaded.
    - iii. Letter of Authority for signing the bid.
    - iv. All Annexure/Table, duly filled-in with necessary proofs, as required and stated in the bid document.
    - v. Make & Model of quoted item in the bid with brochures\ website literature.
    - vi. All Eligibility forms & technical specification & dealership\distributorship authorized certificate & supporting document related Eligibility & Technical Stage.
  - c) Price Bid Section in the prescribed format only.

#### **ARTICLE - 8: BID FORMS**

- 8.1 Wherever a specific form is prescribed in the Bid document, the Bidder shall use the form to provide relevant information. If the form does not provide space for any required information, space at the end of the form or additional sheets shall be uploaded to convey the said information. Failing to upload the information in the prescribed format, the bid is liable for rejection.
- 8.2 For all other cases, the Bidder shall design a form to hold the required information.
- 8.3 GIL / THE OFFICE shall not be bound by any printed conditions or provisions in the Bidder's Bid Forms.

#### **ARTICLE - 9: FRAUDULENT & CORRUPT PRACTICE**

- 9.1 Fraudulent practice means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial noncompetitive levels and to deprive the TENDERER/GIL of the benefits of free and open competition.
- 9.2 "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of Contract execution.
- 9.3 GIL / THE OFFICE will reject a proposal for award and may forfeit the E.M.D. and/or Performance Guarantee if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, contract(s).

#### **ARTICLE - 10: LACK OF INFORMATION TO BIDDER**

The Bidder shall be deemed to have carefully examined all contract documents to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the Contract.

## **ARTICLE - 11: CONTRACT OBLIGATIONS**

If after the award of the contract the Bidder does not sign the Agreement or fails to furnish the Performance Bank guarantee within fifteen (15) working days from the date of Lol/Work Order, along with the inception report and working schedule as per the tender requirements & if the operation are not started within fifteen (15) working days after submission of P.B.G. as mentioned, GIL / THE OFFICE reserves the right to cancel the contract and apply all remedies available to him under the terms and conditions of this contract.

## **ARTICLE - 12: BID PRICE**

- 12.1 The priced bid should indicate the prices in the format/price schedule only.
- 12.2 Offered price should be inclusive of applicable taxes and laws applicable such as Excise, Packing\Forwarding, Insurance, FOR destination (anywhere in the Gujarat state). CST\VAT\Service Tax needs to be shown separately.
- 12.3 Discount if offered, should not be mentioned separately. It should be included in offered price.
- 12.4 Any effort by a bidder or bidder's agent\consultant or representative howsoever described to influence the GIL\ THE OFFICE in any way concerning scrutiny\consideration\evaluation\comparison of the bid or decision concerning award of contract shall entail rejection of the bid.
- 12.5 Unit rates should be quoted separately for each item. Quantities can be increased or decreased by purchaser and bidder has to supply deviated quantities at the rates prescribed and approved by the purchaser in the tender document.

## **ARTICLE - 13: BID CURRENCY**

The prices should be quoted in Indian Rupees. Payment for the supply of equipment's as specified in the agreement shall be made in Indian Rupees only.

## **ARTICLE - 14: EARNEST MONEY DEPOSIT (EMD)**

- 14.1 The Bidder shall furnish, as part of the Bid, EMD of **Rs. 35,00,000/-** shall be submitted in the form of Demand Draft OR in the form of an unconditional Bank Guarantee (which should be valid up to validity of bid + 90 days) of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time; in the name of "Gujarat Informatics Ltd." payable at Gandhinagar (as per prescribed format given at Annexure A) in a separate envelope. The un-priced bid (Technical-bid) will be opened subject to the confirmation of valid EMD and bid processing fees.
- 14.2 Unsuccessful bidder's E.M.D. will be returned as promptly as possible within 30 days after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 10% of the total order value as prescribed by GIL, whichever is earlier.
- 14.3 The successful Bidder's EMD will be discharged upon the Bidder signing the Contract/Agreement, and furnishing the Performance Bank Guarantee.
- 14.4 EMD amount is interest free and will be refundable to the unsuccessful bidders without any accrued interest on it.
- 14.5 The EMD may be forfeited, on account of one or more of the following reasons:
  - a) The Bidder withdraws their Bid during the period of Bid validity.
  - b) Bidder does not respond to requests for clarification of their Bid.
  - c) Bidder fails to co-operate in the Bid evaluation process.
  - d) The bidder is found to be involved in fraudulent and corrupt practices, and
  - e) In case of a successful Bidder, the said Bidder fails:
    - (i) To sign the Agreement in time, (ii) To furnish Performance Bank Guarantee

## **ARTICLE - 15: PERIOD OF VALIDITY OF BIDS**

- 15.1 Bids shall remain valid for **180** days after the date of Financial Opening by GIL. A Bid valid for a shorter period shall be rejected as non-responsive.
- 15.2 In exceptional circumstances, the TENDERER/GIL may solicit Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The EMD shall also be suitably extended. A Bidder granting the request is not required nor permitted to modify the Bid.

**ARTICLE - 16: DURATION OF THE CONTRACT**

The duration of the Contract will be of **5 year**. The duration spent for installation of Hardware and Software will not be a part of contract period. Hence the actual contract period starts after the successful installation, commissioning and FAT of hardware and software as per the requirement of the RFP.

**ARTICLE - 17: BID DUE DATE**

- 17.1 Bid must be uploaded by vendor not later than the due date specified in the RFP.
- 17.2 The TENDERER/GIL , as its discretion, may extend the bid due date, in which case all rights and obligations of the TENDERER/GIL and the bidders, previously subject to the bid due date, shall thereafter be subject to the new bid due date as extended.

**ARTICLE - 18: LATE BID**

No bidder may be able to upload or submit the bid after the bid due date/time.

**ARTICLE - 19: MODIFICATION AND WITHDRAWAL OF BID**

- 19.1 The Bidder may modify or withdraw its Bid before the due date of bid submission.
- 19.2 No Bid may be modified subsequent to the deadline for submission of bids.
- 19.3 No Bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of Bid validity specified by the Bidder on the bid letter form. Withdrawal of a Bid during this interval may result in the bidder's forfeiture of its EMD.

**ARTICLE - 20: OPENING OF BIDS BY GIL**

- 20.1 Bids will be opened in the presence of Bidder's representatives, who choose to attend. The Bidder's representatives who are present shall sign a register evidencing their attendance.
- 20.2 The Bidder's names, Bid modifications or withdrawals, discounts and the presence or absence of relevant EMD and such other details as the GIL / THE OFFICE officer at his/her discretion, may consider appropriate, will be announced at the opening.
- 20.3 Immediately after the closing time, the TENDERER/ GIL contact person shall open the Un-priced Bids and list them for further evaluation.

**ARTICLE - 21: CONTACTING GIL / THE OFFICE**

- 21.1 Bidder shall not approach GIL / THE OFFICE officers outside of office hours and / or outside GIL / THE OFFICE premises, from the time of the Bid opening to the time the Contract is awarded.
- 21.2 Any effort by a bidder to influence GIL / THE OFFICE officers in the decisions on Bid evaluation, bid comparison or contract award may result in rejection of the Bidder's offer. If the Bidder wishes to bring additional information to the notice of the GOG, it should do so in writing.

**ARTICLE - 22: REJECTION OF BIDS**

The TENDERER/GIL reserves the right to reject any Bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for such decision.

**ARTICLE - 23: PRELIMINARY EXAMINATION OF BID**

- 23.1 Un-priced Bid documentation shall be evaluated in two steps.
- 23.2 Stage-1: The documentation furnished by the Bidder will be examined based on the following criteria:

- (i) Compliance to bid document.
- (ii) Evaluation of Eligibility Criteria (As per the eligibility criteria defined in this bid document) & compliance to the Technical Specifications of the Product / Solution Offered. (The bidder shall provide details required/asked along with the bid)

**23.3 Stage-2: Proof of Concept (PoC):** Bidders qualified under the Stage-1 (as mentioned above) will be called for the Proof of concept/Demonstration of the proposed solution w.r.t to CCTV cameras, VMS and will be evaluated based on the below matrix:

S/n	PoC Items	Desired Outcome	Result (Pass/Fail)
1	PTZ & Bullet Camera	The camera can be zoomed in and out between focal length of 5.2 and 104 mm or better	Yes ( ) / No ( )
		Zoom in and zoom out operations of one camera doesn't affect the operation of other cameras being showcased on screen/monitor.	Yes ( ) / No ( )
		The cameras can auto focus irrespective of the Zoom Level and shows clear videos	Yes ( ) / No ( )
2	CCTV Camera (for All types of cameras)	The Video feed should not be blurred, Pixelated	Yes ( ) / No ( )
		During the Day & night time, the objects in the video should be visible and identifiable.	Yes ( ) / No ( )
		Quality of video feeds at different FPS like 20 & 25 FPS- should be acceptable	Yes ( ) / No ( )
3	Video Management System	VMS should be able to handle all such live video feeds in real-time for the respective Jails	Yes ( ) / No ( )
		VMS should allow select, Digital zoom in or combine two or more video feeds inside the VMS application	Yes ( ) / No ( )

**Note:**

- ⇒ Proposed PoC will be conducted at premises of Jail Bhawan, Subhash Bridge, Ahmedabad.
- ⇒ All the qualified bidders are required to show case their proposed solution and required to deploy minimum 2 cameras of each type along with the required IT & Non-IT infrastructure to show case the various functionalities asked in the bid.
- ⇒ Down the line IT Infrastructure required for PoC can be on cloud or installed in the premises of the TENDERER.
- ⇒ Bidder will have to install and commission a temporary video wall of 1x1 arrangement at space provided in the PoC location.

23.4 Technical Committee will give special attention to verify the quality, robustness and appropriateness of the proposed camera, VMS. All the bidder will have to successfully qualify the PoC stage based on the parameters defined above. In case any bidder(s) fails to successfully qualify for the next stage i.e. financial bid opening, then in such a case said bidder will be disqualified and his bid will not be considered for the next stage.

23.5 **Priced Bid:** Priced Bids of only those bidder(s) will be opened whose bid(s) are technically qualified as per the above mentioned Stage-1 and 2. The TENDERER/GIL may at its discretion discuss with qualified Bidder(s) at this stage to clarify contents of Price Bid.

23.6 **Choice of Firm:** Final Choice of Firm to execute this project shall be made on the basis of conformity to eligibility & technical bid. The financial bid of the technically qualified bidders will be opened and financially L1 bidder will be decided from the sum total of prices for all line items without tax and then called for further negotiations if required.

## **ARTICLE - 24: AWARD OF CONTRACT**

- 24.1 Award Criteria: The Criteria for selection will be the lowest effective cost to THE OFFICE for the technically qualified bids for total cost. (Excluding any taxes).
- 24.2 THE OFFICE's right to vary requirements at time of award: GIL/ THE OFFICE reserves the right at the time of award to increase or decrease quantity for the requirements originally specified in the document without any change in Bid rate or other terms and conditions.
- 24.3 In case, if lowest bidder does not accept the award of contract or found to be involved in corrupt and/or fraudulent practices, the next lowest bidder will be awarded the contract. In such scenario, the lowest bidder has to born the difference between lowest prices and next lowest prices.
- 24.4 The tendered quantities are estimated based on the survey carried out as well as receipt of the requirement from the TENDERER. The quantities may vary at the time of finalization, depending upon the change in the requirements/grants available with the purchaser(s), which shall be binding to the bidder.

## **ARTICLE - 25: NOTIFICATION OF AWARD & SIGNING OF CONTRACT**

- 25.1 Prior to expiration of the period of Bid validity, the TENDERER will notify the successful Bidder and issue Lol/Work Order.
- 25.2 The Successful bidder has to submit Performance Bank Guarantee @ 10% of total order value within 15 days from the date of issue of Lol/ Work Order as per article 33 of this bid from any Nationalized Bank including the public sector bank or Private Sector Banks authorized by RBI or Commercial Bank or Regional Rural Banks of Gujarat or Co-Operative Bank of Gujarat (operating in India having branch at Ahmedabad / Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time. (The draft of Performance Bank Guarantee is attached herewith
- 25.3 Successful Bidder will have to sign the contract upon receiving the Work Order with the purchaser(s) within 15 working days from the date of Work Order. (The draft is attached herewith).

## **ARTICLE - 26: FORCE MAJEURE**

- 26.1 Force Majeure shall mean any event or circumstances or combination of events or circumstances that materially and adversely affects, prevents or delays any Party in performance of its obligation in accordance with the terms of the Agreement, but only if and to the extent that such events and circumstances are not within the affected party's reasonable control, directly or indirectly, and effects of which could have prevented through Good Industry Practice or, in the case if construction activities through reasonable skill and care, including through the expenditure of reasonable sums of money. Any events or circumstances meeting the description of the Force Majeure which have same effect upon the performance of any contractor shall constitute Force Majeure with respect to the Vendor. The Parties shall ensure compliance of the terms of the Agreement unless affected by the Force Majeure Events. The Vendor shall not be liable for forfeiture of its implementation / Performance guarantee, levy of Penalties, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Agreement is the result of Force Majeure.

### **26.2 Force Majeure Events**

The Force Majeure circumstances and events shall include the following events to the extent that such events or their consequences (it being understood that if a causing event is within the reasonable control of the affected party, the direct consequences shall also be deemed to be within such party's reasonable control) satisfy the definition as stated above.

Without limitation to the generality of the foregoing, Force Majeure Event shall include following events and circumstances and their effects to the extent that they, or their effects, satisfy the above requirements:

- 26.3 Natural events (“Natural Events”) to the extent they satisfy the foregoing requirements including:
- (a) Any material effect on the natural elements, including lightning, fire, earthquake, cyclone, flood, storm, tornado, or typhoon;
  - (b) Explosion or chemical contamination (other than resulting from an act of war);
  - (c) Epidemic such as plague;
  - (d) Any event or circumstance of a nature analogous to any of the foregoing.
- 26.4 Other Events (“Political Events”) to the extent that they satisfy the foregoing requirements including: Political Events which occur inside or Outside the State of Gujarat or involve directly the State Government and the Central Government (“Direct Political Event”), including:
- (i) Act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, civil commotion, act of terrorism or sabotage;
  - (ii) Strikes, work to rules, go-slows which are either widespread, nation-wide, or state-wide and are of political nature;
  - (iii) Any event or circumstance of a nature analogous to any of the foregoing.

**26.5 FORCE MAJEURE EXCLUSIONS**

Force Majeure shall not include the following event(s) and/or circumstances, except to the extent that they are consequences of an event of Force Majeure:

- (a) Unavailability, late delivery
- (b) Delay in the performance of any contractor, sub-contractors or their agents;

**26.6 PROCEDURE FOR CALLING FORCE MAJEURE**

The Affected Party shall notify to the other Party in writing of the occurrence of the Force Majeure as soon as reasonably practicable, and in any event within 5 (five) days after the Affected Party came to know or ought reasonably to have known, of its occurrence and that the Force Majeure would be likely to have a material impact on the performance of its obligations under the Agreement.

**ARTICLE – 27: CONTRACT OBLIGATIONS**

Once the contract agreement is confirmed and signed, the terms and conditions contained therein shall take precedence over the Bidder’s bid and all previous correspondence.

**ARTICLE – 28: AMENDMENT TO THE AGREEMENT**

Amendments to the Agreement may be made by mutual agreement by both the Parties. No variation in or modification in the terms of the Agreement shall be made except by written amendment signed by both the parties. All alterations and changes in the Agreement will take into account prevailing rules, regulations and laws applicable in the State of Gujarat.

**ARTICLE – 29: USE OF AGREEMENT DOCUMENTS AND INFORMATION**

The successful bidder shall not without prior written consent from GoG disclose the Agreement or any provision thereof or any specification, plans, drawings, pattern, samples or information furnished by or on behalf of the TENDERER in connection therewith to any person other than the person employed by the successful bidder in the performance of the Agreement. Disclosure to any such employee shall be made in confidence and shall extend only as far as may be necessary for such performance.

The successful bidder shall not without prior written consent of the TENDERER make use of any document or information made available for the project except for purposes of performing the Agreement.



All project related documents issued by the TENDERER other than the Agreement itself shall remain the property of the TENDERER and Originals and all copies shall be returned to the TENDERER on completion of the successful bidder performance under the Agreement, if so required by the TENDERER.

**ARTICLE – 30: TAXES & DUTIES**

The successful bidder is liable for all taxes and duties etc. as may be applicable from time to time.

**ARTICLE – 31: BOOKS & RECORDS**

The successful bidder shall maintain adequate books and records in connection with Contract and shall make them available for inspection and audit by the TENDERER during the terms of Contract until expiry of the performance guarantee.

**ARTICLE – 32: WARRANTY TERMS**

The successful bidder shall give on-site warranty and support for all equipment's mentioned in RFP for 5 year. In the event that the materials supplied under the contract do not meet the specifications and/or are not in accordance with the drawings data in terms of this order, and rectification is required at site, The TENDERER shall notify the successful bidder giving details of difference. The successful bidder shall attend the site within seven (7) days of receipt of such notice to meet and agree with representatives of the TENDERER, the action required to correct the deficiency. Should the successful bidder fail the attend the site within the time specified above, The TENDERER shall be at liberty to rectify the work/materials and the successful bidder shall reimburse the TENDERER all costs and expenses incurred in connection with such trouble or defect.

**ARTICLE – 33: PERFORMANCE GUARANTEE**

- 33.1 The successful bidder shall furnish Performance Guarantee equals to 10% of the contract value valid for the duration of 180 days beyond the expiry of the contract.
- 33.2 The performance guarantee will be in the form of bank guarantee for the amount equal to 10 % of the contract value towards faithful performance of the contract obligation, and performance of the equipment's during Warrantee period. In case of material breach of the contract terms and conditions, the TENDERER shall invoke the PBG.
- 33.3 The Performance Guarantee shall be denominated in Indian Rupees and shall be in the form of an unconditional Bank Guarantee issued by any Nationalized Bank including the public sector bank or Private Sector Banks authorized by RBI or Commercial Bank or Regional Rural Banks of Gujarat or Co-Operative Bank of Gujarat (operating in India having branch at Ahmedabad / Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time. in the format provided by the TENDERER to be submitted within 15 working days from the date of receipt of award.
- 33.4 The Performance Guarantee shall be discharged by the TENDERER and returned to the Vendor within 30 days from the date of expiry of the Performance Bank Guarantee.

**ARTICLE- 34 DELIVERIES AND INSTALLATION / IMPLEMENTATION:**

- 34.1 The work as defined under the Scope of work has to be completed in accordance to the Project Implementation timeline as specified under Article 38. The bidder has to take the necessary approval of the TENDERER or its user departments for Schematics Diagram (Layout) within 15 working days for cabling & laying work of Video Surveillance System.
- 34.2 If in any case the quoted Item is not available in the market at the time of delivery, the bidder will have to supply Higher Version/replacement of that Item in the quoted cost in the same time duration with prior approval of GIL. No "End of Life" product should be quoted to minimize such instances.

**ARTICLE –35: PAYMENTS TERMS**

- 35.1 No advance Payment will be made.

- 35.2 60 % payment will be made after Delivery & inspection of items as per the work order at **Central location (vendors warehouse at Gandhinagar/Ahmedabad)**.
- 35.3 20 % payment will be made after successful completion of Installation and Commissioning of ordered goods as per the Work Order.
- 35.4 **10 %** payment will be made after successful completion of 90 days from the date of FAT and training.
- 35.5 Balance 10% payment will be made in 20 equated quarterly installments during the contract period of 5 years
- 35.6 Cost of technical resource will be paid quarterly as per the price discovered under the price bid.

**Note:** During the implementation phase the successful bidder will be allowed to raise only one invoice per month.

**ARTICLE – 36: SERVICE TERMS**

- 36.1 The entire scope of the work depends on the technical skill and experience in management of the same level or kind of infrastructure.
- 36.2 It is mandatory for successful bidder to deploy qualified professional to install, commission & maintain the equipments, as defined under scope of work.
- 36.3 The successful bidder has to submit regular schedule of man power availability & get it approved by the TENDERER.
- 36.4 The successful bidder is free to deploy or to develop applications to facilitate the operation. The TENDERER will welcome the deployment such application in respect to improve Quality of Services.
- 36.5 For extending better services to the user, the successful bidder will be allowed to deploy & use own tested and proven solution, with prior permission from the TENDERER.
- 36.6 The successful bidder need to manage & maintain various records related to the services extended to the user.
- 36.7 The network is being operated & maintained by various agencies. In such circumstances the successful bidder may need to coordinate and approach various agencies, if required.
- 36.8 The successful bidder is responsible to maintain documentation on the progress of the work and will have to update the same on regular basis. The successful bidder will have to submit the progress reports regularly, to the TENDERER.
- 36.9 The understanding of the comprehensive maintenance under warranty period is as follows.
  - a) In case of failure of equipment (s), the successful bidder needs to repair or replace the faulty part/component/device to restore the services at the earliest.
  - b) The cost of the repairing or replacement of faulty part/component/device has to be entirely born by the successful bidder.
  - c) All expenses related to part/component/device, including hiring of specialized technical expertise, in case required, has to be borne by the Vendor as part of comprehensive maintenance.
  - d) The successful bidder also needs to make alternate arrangement in case of major failure happens in the network, due to which services may be effecting for longer period.
  - e) After repairing or replacement of the part/component/device, the successful bidder needs to put the same into operation.

**ARTICLE – 37: SLA and PENALTY CLAUSE**

- a) Penalty for delay:

S/n	Activity	Timeline	Penalty
-----	----------	----------	---------

1	Delay in Delivery/ Supply of Hardware	As per Article 38 of this RFP Document	0.5% of Contract value of delayed item per week or part thereof for delay in delivery
2	Delay in Installation / Implementation		0.75% of Contract value of delayed item per week or part thereof for delay in Implementation (Delay Beyond 8 weeks, TENDERER may terminate the contract and Forfeit the PBG)

**Note: Maximum Penalty cap for penalty for delay is 10% of contract value for the ordered item.**

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.

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.

I. **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 complain 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	Rs. 500/- per complaint 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:**

- Any Failure, which is agreed due to uncontrollable parameters, like Raw Power etc.
- Any failure due to roll out of Approved change / alteration in the system
- Downtime planned for prescheduled changes / Maintenance activities
- Any failure that is due to end user operational errors, non-standard products, unavoidable natural / unnatural calamities, accidents etc.
- All third-party damage cases, problems attributed to power outage.
- Force Majeure conditions.
- Existing Concealed cabling from Switch to end user

**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.

II. 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	Successful bidder has to ensure the deployment of minimum number of personnel required as specified in the scope. 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:	Rs. 500/- per person per day of unsanctioned leave or non-reporting or non-deployment.
---	---	--

III. **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 has to 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

## ARTICLE – 38 PROJECT IMPLEMENTATIONS

### 38.1 **Project Implementation Timelines:**

S/N	Deliverables	Timeline
1	<b>Kick-off Meeting:</b> (Submission of Detailed implementation plan/roadmap, Signing of contract agreement and submission of performance Bank Guarantee)	Within 15 Days from date of issuance of Lol/work order
2	Delivery of the ordered items as per the work order at central location (vendors warehouse at Gandhinagar/Ahmedabad)	T+ 60 days
3	Installation and Commissioning of hardware and software	T+ 120 days
4	Testing, FAT and Go-Live	T+ 150 days

Note: T = Kick off meeting

Days = Calendar days

- 38.2 The bidder has to take the necessary approval of the TENDERER or its authorized representative for Schematics Diagram (Layout) before starting the implementation of the project.
- 38.3 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.
- 38.4 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.
- 38.5 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.

- 38.6 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.
- 38.7 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.
- 38.8 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 Vendor 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.
- 38.9 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.
- 38.10 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.
- 38.11 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.
- 38.12 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 any extra cost shall be paid to the successful bidder for such reasons.
- 38.13 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.
- 38.14 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 on.
- 38.15 In the event of the delay in delivery of contracted services or services is not satisfactory the purchaser may procure goods from else ware 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 Vendor.
- 38.16 The TENDERER or its designated agency reserve the right to visit any working site of the Vendor with prior intimation. The concern Vendor has to make necessary arrangement for the same.
- 38.17 The successful bidder shall be responsible and take required insurance for all of 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.
- 38.18 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.
- 38.19 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 Vendor.
- 38.20 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 department's 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 equipments.

**ARTICLE – 39: ACCEPTANCE TEST**

Acceptance Test will be conducted in as follows:

- 39.1 The TENDERER or its nominated agency reserves the right to inspect the equipment's and OFC/JFC, Cat-5/Cat-6 cables etc. The cost of all such tests shall be borne by the successful bidder. If Any inspected goods fail for confirm to specification after installation, the TENDERER may reject them and the successful bidder shall have to replace the rejected goods. In case of inspection waiver, the same shall be obtained before the dispatch of goods. Inspection of rest of material shall be done at site. Sample approval should be obtained before installation for such material.
- 39.2 The first step will involve successful installation of all sites. The provisional acceptance of these sites will be defined as Partial Acceptance.
- 39.3 The date on which Acceptance Certificate is issued shall be deemed to be the date of successful Commissioning of the System.
- 39.4 Any delay by the successful bidder in the Acceptance Testing shall render the Vendor liable to the imposition of appropriate Penalties.

**ARTICLE – 40: INSTALLATION REQUIREMENTS**

- 40.1 The Vendor needs to pull necessary cables up to required place, using approved PVC Piping/Channel/RF/CAT5 or CAT6 Cable.
- 40.2 The necessary Civil & Electrical work has to be carried out by the Vendor if required at customer site like requirement of brackets, installation of camera on wall etc. THE OFFICE will not reimburse any cost towards the same. The Vendor need to take necessary permission if require from concern authority.

**ARTICLE – 41: SOFTWARE LICENCES (IF APPLICABLE)**

The Vendor shall be responsible for providing Software (System Software, Application Software, Device Drivers, IOS, etc) required, if any, during warranty period to the TENDERER. All license software must be in the name of the TENDERER.

**ARTICLE – 42: INSTALLATION OF ADDITIONAL HARDWARE (IF APPLICABLE)**

During the currency of the Agreement, for any additional requirement of equipment including interface equipment, the specifications will be provided by the Vendor. THE OFFICE /The Third-Party Agency will verify suitability of the specifications submitted by Vendor and recommend to THE OFFICE for acceptance. The Vendor will be obligated to undertake integration, operation and maintenance for all additional equipments if required.

**ARTICLE – 43: THIRD PARTY AGENCY**

The TENDERER may appoint Third Party Agency, who would monitor the project during implementation, commissioning and operation. The Third-Party Agency will also conduct the Partial and Final Acceptance Test as per the technical requirement of the Agreement and will issue the Certificate of Completion of each proposed site. Third Party Agency will verify the services provided by the Vendor under the Agreement. The successful bidder will co-operate with such Third-Party Agency.

**ARTICLE – 44: SUPPORT FROM EXTERNAL AGENCY (IF APPLICABLE)**

In case, if the successful bidder wishes to have support from any external agency, it's very necessary to inform the TENDERER in written prior to allow them to work on the TENDERER's infrastructure. The information should contain all respective information about the company from whom support has been extended, the person/group of people and the segment in which services has been taken. On completion of the task, another report should be submitted by mentioning action taken by this person/group of people from external agency, with duration. The successful bidder is solely responsible for the action taken by such agency on their behalf. No Data/ Information should be sent out of the premise without obtaining prior written confirmation from the TENDERER.

## Section – 4: Technical Specification

### 4.1 Indoor Fixed Dome Cameras

S/N	Specification
1.	Image sensor : 1/3" Progressive Scan CMOS 2 MP or better
2.	Lens: 3 to 9 mm or better, DC-iris, motorized
3.	Day and Night: Automatic/manual/scheduled
4.	IR Range: Min 30 Mtr or better
5.	WDR: True WDR >=100 db
6.	Min. Illumination / Light Sensitivity: Color mode: F1.4 @ 0.5 lux and B&W mode: F1.4@ 0.01 lux
7.	Light sensor: Senses the level of ambient light to determine when to switch day/night mode.
8.	Video Compression: H.264, H. 265 and Motion JPEG
9.	Video Stream: Individually configurable min 03 video streams (H.264/H.265), Unicast/ Multicast
10.	Intelligent Video: Motion Detection, Camera Tampering, camera masking
11.	Resolutions and frame rates : 25/30 fps at 1920x1080 (1080p)
12.	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project
13.	Interface: 10/100BaseT or better RJ45 Port with 802.3af POE Support
14.	Camera Should remote Zoom and Auto focus
15.	Camera should supplied with 32GB Micro SD/SDHC /SDXC memory card for recording
16.	IP 66 and IK 10 Rated housing
17.	Should be ONVIF Profile S or ONVIF version 2.4 compliant
18.	Certification- CE/EN, FCC, ETL/UL certified at the time of bidding
19.	Operating Temperature: 0-50 °C

### 4.2 Outdoor Bullet Camera

S/N	Specification
1.	Image sensor : 1/3" Progressive Scan CMOS 2 MP or better
2.	Lens: 3 to 9 mm or better, DC-iris, motorized Zoom
3.	Day and Night: Automatic/manual/scheduled
4.	IR Range: Min 30 Mtr or better
5.	WDR: True WDR >=100 db or better
6.	Min. Illumination / Light Sensitivity: Color mode: F1.4 @ 0.5 lux and B&W mode: F1.4@ 0.01 lux
7.	Light sensor: Senses the level of ambient light to determine when to switch day/night mode.
8.	Video Compression: H.264, H. 265 and Motion JPEG
9.	Video Stream: Individually configurable min 03 video streams (H.264/H.265), Unicast/ Multicast
10.	Intelligent Video: Motion Detection, Camera Tampering, camera masking
11.	Resolutions and frame rates : 25/30 fps at 1920x1080 (1080p)
12.	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project
13.	Interface: 10/100BaseT or better RJ45 Port with 802.3af POE Support
14.	Camera Should remote Zoom and Auto focus
15.	Camera should supplied with 32GB Micro SD/SDHC/SDXC memory card for recording
16.	IP 66 and IK 10 Rated housing
17.	Should be ONVIF Profile S or ONVIF version 2.4 compliant
18.	Certification- CE/EN, FCC, ETL/UL certified at the time of bidding
19.	Operating Temperature: 0-55 °C, should have sun shield on top of the camera enclosure
20.	Should be supplied with suitable mounting box, L/C Bracket

### 4.3 Outdoor Box Camera (For Face Recognition)

S/N	Parameter	Minimum Specification
1.	Image sensor and Effective Pixels (Resolution)	1/ 2.8" or better, CMOS Progressive Scan & Minimum 8 MP or better
2.	Electronic Shutter	1 to 1 / 10,000 s or better
3.	Focus	Automatic and Manual both
4.	Automatic Gain Control	Automatic / Manual
5.	S/N Ratio	>50dB
6.	Frame Rate	20 FPS or better at Full Resolution
7.	Codec	MJPEG, H.264, H.265 or better
8.	Multi Focal Lens	≤ 4.1mm to ≥ 9mm "Lower End of Focal length less than 4.1 mm (3, 3.5 etc. allowed), Higher End of Focal Length more than 9 mm (10, 11, 20 etc. Allowed)
9.	Minimum Illumination	0.5 Lux@30 (IRE) f1.2 (Colour) & 0.01 Lux @ 30 (IRE) f1.2(B/W)
<b>Video</b>		
10.	Day and Night functionality	Automatic, Color, Mono
11.	IR illuminator	External Illuminator with visibility should be at least 50m, Power requirement & connectivity should be part of the solution. Illumination (Colour & b/w) should be sufficient to capture Objects/Faces at night time when there is not sufficient illumination at site.
12.	WDR	True WDR 100dB or better
13.	Video Streams	Individually configurable min 03 video streams (H.264/H.265), Unicast/Multicast
14.	Intelligent Video	Motion detection, Tampering Alert
<b>Network &amp; Interface</b>		
15.	Interface	RJ-45 for 10/100 base-T Ethernet
16.	Network Protocols support	IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project
17.	Alarm Event (Nonworking, tampering,)	Events / alerts send via FTP, HTTP, email, Pre-Post alarm video buffering.
18.	Compliance	ONVIF Profile S compliant
<b>Security</b>		
19.	General	Password Protection, HTTPS encryption, IEEE 802.1X
<b>General Camera Features</b>		
20.	Operational Temperature °C	0°C to 50 °C
21.	Outer Casing	Vandal Proof IK10 or above rated, NEMA 4X/ IP66 rated Housing
22.	Power	PoE (802.3 af) OR AC 24V/ DC12V
23.	Certifications	<b>CE/EN, FCC, ETL/UL certified at the time of bidding</b>
24.	Mounting Accessories	For pole/gantry/ surface mount with L/C Brackets

### 4.4 Outdoor PTZ Camera

S/N	Parameter	Specification
1.	Sensor	1/3" Progressive Scan CMOS 2 MP or better
2.	Min. Illumination	Color: 0.5 lux 0.01 lux or better
3.	Scanning System	Progressive
4.	S / N Ratio	>50dB
5.	IR Distance	Internal/ External with min 100 meters coverage
6.	IR Intensity	Automatically Adjust
7.	IR on/Off Control	Auto
8.	WDR	True WDR 100 db or better
<b>Lens</b>		



S/N	Parameter	Specification
9.	Optical Zoom	20X or better
10.	Focal Length	5.2 to 104mm
11.	Focus Control	Auto/Manual
<b>Pan Tilt Zoom</b>		
12.	Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, auto flip 180°
13.	Manual Control Speed	Pan: 0.1° ~100° /s; Tilt: 0.1° ~100° /s or better
14.	Preset Speed	Pan: 100° /s; Tilt: 100° /s or better
15.	Presets	Minimum 50 Preset Points
<b>Video</b>		
16.	Compression	H.265, H.264, MJPEG or better
17.	Streaming Capability	Individually configurable minimum 03 video streams (H.265/ H.264)
18.	Resolution	1080 P or Better
19.	Frame Rate	1080P (1 ~ 25/30fps)
20.	Day and Night	Automatic, Color, Mono
21.	White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
22.	Noise Reduction	Ultra DNR (2D/3D)
23.	Motion Detection	Required
24.	Region of Interest	Required
25.	Digital Zoom	12X or better
<b>Network</b>		
26.	Ethernet	RJ-45 (10/100Base-T)
27.	Protocols	IPv4,IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP,
28.	Interoperability	Should be ONVIF Profile S or ONVIF version 2.4 compliant
29.	Streaming Method	Unicast / Multicast
30.	Local Storage (memory card of Min 32 GB to be included)	In the event of failure of connectivity to the central server the camera shall record video locally on the SD card automatically.
31.	Certification	CE/EN, FCC, ETL/UL certified at the time of bidding
32.	Power	PoE /PoE+(802.3 af/at) OR AC 24V/ DC12V/ 100- 230VAC
<b>General</b>		
33.	Working Temperature / Humidity	0°C to 55 °C, 80% RH non-condensing within enclosure
34.	Security	Password Protection, HTTPS encryption, IEEE 802.1X
35.	IP Rating	NEMA 4X /IP66 rated Housing
36.	Mounting Accessories	For pole and surface mount with L/C Brackets, mounting box

#### 4.5 PTZ Joystick

S/N	Parameter	Minimum Required Specifications
1.	General	PTZ speed dome control for IP cameras
2.		Minimum 10 programmable buttons
3.		Should allow configuration of Multiple -cameras
4.		Compatible with all the camera models offered in the solution
5.		Compatible with VMS /Monitoring software offered

#### 4.6 External White Light Illuminator

S/N	Parameter	Specification
1.	Range	Min 50 meter at 60-degree angle
2.	Minimum illumination	High Sensitivity @0 Lux
3.	Angle of Mounting	Adjustable
4.	Power	PoE, Auto on/off
5.	Casing	IP 66 and IK10 Rated

6.	Operational Temperature	0°C to 55 °C
7.	Certification	CE/EN, FCC, ETL/UL certified at the time of bidding

#### 4.7 Surge Protection Power Strips

S/N	Parameter	Minimum Specification
1.	Clamping Voltage	240 V
2.	Response time	<10 ns
3.	Energy Dissipation	Min 500 joules
4.	Max voltage Spike protection	Up to 400 Volts
5.	Max current Spike Protection	5000 Amps
6.	Cable	Heavy duty Cable of standard Length
7.	Power Outlet	Min. 4 Nos. 5 Amp Indian Standard Power Outlets
8.	Operating Temperature	0-55 ° C .The bidder has to take into consideration of the internal temperature adjustment of the junction box

#### 4.8 UPS 3 KVA with 1 Hour Backup

S/N	Parameter	Minimum Specification
1.	Output Power Capacity	3 KVA True Online Double Conversion
2.	Technology	Rectifier & Inverter both to be IGBT based PWM
3.	Certifications	CE, BIS and ROHS standards (certified at the time of bidding)
4.	Input Voltage Range	160-280 VAC @ 100% load, Single Phase
5.	Input Freq. Range	50Hz +/- 5% (auto sensing)
6.	Input Protection	Thermal Circuit Breaker/Isolator with fuses
7.	Output Voltage	220/230/240 VAC +/- 1 %
8.	Output Frequency	50Hz ± 2 %
9.	Output Waveform	Pure Sinewave
10.	Output Power Factor	0.8 or better
11.	Efficiency	> 90%
12.	Battery Type	SMF-VRLA (Sealed maintenance free valve regulated lead acid)
13.	Battery Make	Exide, Quanta, Panasonic, CSB, Yuasa, Relicell or equivalent
14.	Battery Backup	60 min backup on Full Load
15.	Communication	Full-Functional SNMP Card should be present; RS 232 & USB port with software for UPS status monitoring
16.	Protection	Inherent protection should be provided for Output Short-circuit and Overload, Input Fault, Cold Start, Low battery, Battery Over and Under charge, Battery Disconnect, Battery self-test feature, Over Temperature, OVCD, External Transient Voltage Surge Suppressor, etc.
17.	LCD Display	Input Voltage, Input Frequency, Output voltage, Output Current, Output Frequency, Battery Voltage, UPS Status, Load Level, Battery Level, Discharge Timer, Battery Disconnect and Fault Conditions
18.	By Pass	Manual and Automatic (Built-in) Bypass switch should be provided
19.	Environment	Noise Level – less than 50 dB at a distance of 1 meter
20.	Operating Temperature	0-40° C
21.	Relative Humidity	10-90% RH @ 0-40° C (Non-condensing)
22.	Miscellaneous	ECO Mode Operation with Enable/Disable function
		Cables: With all necessary cables and plug and Battery links
		Rack: Suitable Metallic Rack for housing of SMF Batteries to be provided
23.	Battery Replacement	The successful bidder has to replace the UPS battery every 2 years for uninterrupted and smooth operations. OEM should confirm battery replacement in UPS at the end of 2nd year and 4th year respectively.

## 4.9 Video Management Software

S/N	Parameter	Minimum Specification
1.	General	<ul style="list-style-type: none"> <li>The VMS should support any ONVIF compliant IP cameras</li> <li>VMS shall be capable of being deployed in a virtualized server environment without loss of any functionality.</li> <li>All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking on the camera location on the graphical map.</li> </ul>
2.	User Management	Centrally controlled user management - Users, roles, rules and privileges should be stored on the VMS server allowing any authorized user to log into any workstation.
3.	Device Discovery	The VMS shall have ability to easily install, configure, modify, search and remove surveillance devices with automatic discovery of IP devices.
4.	Event management	The VMS shall have ability to enforce custom settings for event detection, alarm notification, recording, input/out (I/O) control, and other features in response to events. The alarm management module shall support graphical displays with interactive icons to display the status of the cameras & other inputs.
5.	Software/Patch Upgrade	It Should allow quick software and patch upgrade and support of new devices, drivers and operating systems. System should be able to implement software upgrades without requiring all hardware components to be reconfigured.
6.	Recording & Transfer	<ul style="list-style-type: none"> <li>- Should support Multiple streaming</li> <li>- Should allow each stream to be viewed independently by client viewer.</li> <li>- Recording from connected cameras Should be stored in individual databases.</li> <li>- Should support multiple storage formats</li> <li>- Should support recording in all resolution at desired FPS</li> <li>- Should support video cum audio recording</li> <li>- shall support automatic failover for recording</li> <li>- Should automatically retrieve and store recording stored on the camera once the network connectivity between the camera storage and the VMS is restored</li> <li>- shall be capable of transferring recorded images to recordable media (such as CD/DVD and/or tapes)</li> <li>- or Video Exports with Watermark and Encrypted with SSL / TSL technology, one can protect the video tampering and prove that the video is not tampered</li> </ul>
7.	Motion Zone Masking	VMS should Support Exclusion of Motion /Masked Zones to enhances optimized recordings and storage.
8.	Customized Record Retention	Should support Customized recording retention period for specific camera, group, area etc.
9.	Device Grouping	<ul style="list-style-type: none"> <li>- The VMS shall have ability to logically group devices based on installation location, device type, configuration type or any other predefined rules.</li> <li>- Individual cameras/devices should have the capability to inherent rules from parent group/subgroup.</li> </ul>
10.	Parameter Configuration	The VMS shall have ability to configure multiple streams with different quality parameters e.g. Codec (H.264, H.265, MPEG, JPEG) , resolution, frame & bit rate etc.

S/N	Parameter	Minimum Specification
11.	Protocol Support	HTTP, TCP, UDP, RTSP, Multicast.
12.	Device Search	The VMS shall have ability to search and view device(s) based on standard criteria like ID, Name, Location, Group, Type etc.
13.	Storage Indexing	VMS should store video feeds in a standard folder tree structure so that it becomes easy for system admin to browse videos categories based on year, month, date and time wise. Also, the file name should indicate important attributes like camera location, date, time etc.
14.	Video Wall / Monitor Support	<ul style="list-style-type: none"> <li>- Multiple monitor support: The system should allow connecting multiple monitors on single client workstation and display different contents on each of the connected monitor.</li> <li>- All panes / tiles should indicate mode (live or recorded), source (camera name/location) and date/time and applied quality information (FPS, CODEC).</li> <li>- The font color shall be changed automatically in sync with the video/image to have a clear text reading at any point of time.</li> <li>- A matrix view should support multiple formats on video wall and any number of multiple screen divisions.</li> </ul>
15.	Controls	PTZ configuration and control including presets, patterns, patrolling, priority, Zoom in/out and permissions. PTZ Control, Digital PTZ Control, PTZ Joystick Support, Preset position setup, Preset position search, Optical zoom in, zoom out, focus in, focus out, Digital zoom enable / disable, Full screen view enable/disable, Camera connect/disconnect
16.	Shortcut Keys	Along with menu-driven interface, a VMS should also support custom shortcut keys to helps operators quickly switch between different modules/screens, change views or panes/tiles and to carry out playback functions.
17.	Image Snapshot	System should allow creating a still image from live or recorded feed and storing it into a workstation.
18.	Display Interface	Option to view surrounding cameras: The system should enable operators to select master camera feed and based on group/subgroup details, its surrounding cameras should be automatically displayed on separate panes. These panes/tiles should be dynamically generated so that operator does not need to manually pull the feeds from desired cameras.
19.	Video Search and retrieval	The VMS shall have ability to quickly search and retrieve recordings: Search methods should include search by camera(s), group, date/time, alarm/event / bookmark list, smart (motion) search by creating motion index or by generating thumbnail summary of a video archive to locate specific event.
20.	Playback Control	The system should offer following playback controls like Play/Pause, Lock speed, Forward playback (1x, 2x, 4x), Reverse playback (-1x, -2x, -4x), Slow forward playback (frame by frame, 1/8x, 1/4x, 1/3x, 1/2x, 1x), Slow reverse playback
21.	Camera Tampering	<p>The VMS should provide a centralized camera tampering detection solution in real-time by automatically identifying tampering to ensure video image capture and integrity The solution sends an alert when the following potential tampering is detected:</p> <ul style="list-style-type: none"> <li>• Scene too bright — e.g. flash light, direct sun, laser pointer that is pointed at the camera, causing it to become over saturated.</li> <li>• Scene too dark — not enough light to see a clear image, if camera is covered.</li> <li>• Camera is covered or blocked — if something is blocking or partially</li> </ul>

S/N	Parameter	Minimum Specification
		<p>blocking most of the camera's field of view.</p> <ul style="list-style-type: none"> <li>• Camera redirection detection — if camera is redirected from its' initial position of field of view (FOV).</li> <li>• Unfocused or blurred view — if the camera was sprayed with rain or its focus changed.</li> </ul> <p>The System should be able to detect tampering on any IP camera that has been discovered in the VMS</p> <p>Further the VMS should also be able to get the video tampering information from Camera and display as alerts in VMS</p>
22.	Reports	<p>The system should provide interactive reporting interface with standard and user-defined custom reports and filtering options to:</p> <ul style="list-style-type: none"> <li>- Review currently logged in users and functions being performed.</li> <li>- Retrieve audit trails - user activities, errors and system logs.</li> <li>- View list of hardware units and selected configuration options.</li> <li>- List down configured users and corresponding roles &amp; permissions.</li> <li>- View details of bookmarks, event/alarm history and exported evidences.</li> </ul>
23.	Security	<ul style="list-style-type: none"> <li>- The VMS recorders should be able to connect via a secure connection using authentication and encryption <ul style="list-style-type: none"> <li>o Authentication - user and password credentials</li> <li>o Encryption – 256 Bit encryption Techniques</li> </ul> </li> <li>- The VMS recorder should be able to connect via a secure HTTPS connection to its associated edge devices (IP cameras &amp; encoders)</li> <li>- The VMS management database connection should be encrypted using 256-bit encryption</li> <li>- The VMS should encrypt the exported file format using password protection</li> </ul>

#### 4.10 Server

S/N	Parameter	Specification
1.	Processor	Latest Intel Xeon processor with minimum <b>2 Processor and 8 core per Processor</b> or better, <b>2.0 GHz</b> or better
2.	RAM	16 GB DDR4 Registered (RDIMM) memory upgradeable up to 128 GB or more
3.	Internal Storage	2*900GB or more 10K SAS drives
4.	Cache	15 MB L3 or better
5.	Network interface	2 X 1Gb ports for providing Ethernet connectivity
6.	Power supply	Dual Redundant Power Supply
7.	RAID support	As per requirement/solution
8.	Operating System	<b>Licensed latest version of Linux/Windows</b> based Operating System
9.	Form Factor	<b>Rack/Blade (along with Suitable chassis)</b>

#### 4.11 Storage (for Video's)

S/N	Parameter	Specification
1.	Storage	<ul style="list-style-type: none"> <li>• Storage period of 30 days <ul style="list-style-type: none"> <li>o <b>Storage Capacity: As per Annexure I</b></li> <li>o The Storage capacity mentioned is the Usable capacity in RAID 6 Configuration. The proposed storage solution should be scalable as per requirement.</li> </ul> </li> </ul>

S/N	Parameter	Specification
		<ul style="list-style-type: none"> <li>• Disks should be minimum of 6 TB</li> <li>• Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 32 GB Cache from day one and the storage solution should be scalable up to 64GB Cache.</li> <li>• Should be able to store all types of data (Data, Voice, Images, Video, etc.)</li> <li>• Storage should support all industry standard RAID type</li> <li>• The proposed Storage should have 6 Gbps Drives ( it should support SSD, SAS &amp; NL-SAS types) or higher.</li> <li>• Modular design to support controllers and disk drives expansion</li> <li>• Should be Rack Mountable</li> <li>• The controllers / Storage nodes should be upgradable without any disruptions / downtime</li> <li>• Licenses for the storage management software should include disc capacity/count of the complete solution and any additional disks to be plugged in the future, up to max capacity of the existing controller/units.</li> <li>• A single command console for entire storage system.</li> <li>• Should have the functionality of performance, utilization monitoring of storage, disk drives and management software</li> <li>• The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for minimum 4 hours</li> <li>• The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc.</li> <li>• The solution should allow to transfer and store the data, on need basis, to any other storage irrespective of Make/Model across LAN/WAN within the state.</li> </ul>

#### 4.12 Monitoring Workstation

S/N	Parameter	Minimum Required Specifications
1.	Processor	Latest Intel Xeon E series with min 2.4 GHz or higher
2.	Motherboard & Chipset	OEM Motherboard & Compatible 64-bit Chipset
3.	Video	Integrated Graphic controller with minimum 2 GB video memory (non- shared), NVIDIA Quadro/AMD FirePro, it should support HD video Quality
4.	System Memory	Minimum 8 GB DDR4 or higher expandable up to 32 GB or more
5.	Ports	6 Nos. or Higher USB (min 2 USB3.0), 1XHDMI / 1 VGA Port.
6.	Storage	1 TB, SATA HDD 7200 RPM. Provision for installing more drives
7.	Monitor	23 Inches or higher Wide LED Touch Screen, Resolution- 1920x1080, Aspect Ratio-16:9, refresh rate 5ms or better
8.	Keyboard	104 Keys or Higher Mechanical Keyboard
9.	Mouse	USB/wireless Optical Scroll Mouse
10.	OS Support	Pre-Loaded Windows 10 Professional with recovery disc
11.	Certification	RoHS, ENERGY STAR/BEE certified at the time of bidding
12.	Antivirus	Pre-Loaded Licensed Antivirus software

#### 4.13 Video Wall Solution

S/N	Parameter	Minimum Required Specifications
1.	Configuration	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm
2.	Screen Size	55" or higher, please refer Annexure I for Video Wall sizes
3.	Resolution	Full High definition (1920 X 1080) 16:9 Widescreen

4.	Contrast Ratio	1200:1 or better
5.	Brightness	500 Cd/m2 or better
6.	Refresh Rate	60 Hz or better
7.	Response Time	8 to 12 ms
8.	Viewing Angle	160 degrees or better
<b>Interface</b>		
9.	Standard Inputs	1x Digital DVI-I ; 1x Digital DVI-D/HDMI Port or Higher
10.	Standard Outputs	1x Digital DVI-D / 1x DP 1.2
11.	Control	RS-232/RS-422/IR
<b>Power</b>		
12.	Consumption	Not more than 300 Watt per display unit
13.	Power Supply	AC 100 -240 V~ (+/-10 %), 50/60 Hz
<b>General</b>		
14.	Operating Temperature	0°C - 40°C
15.	Humidity	20% - 90%, non-condensing
16.	Certification	ANSI/ETL/UL, FCC, CE, BIS certified at the time of bidding
<b>Accessories</b>		
17.	Cables	Dual Link DVI-D /DP cable, power cable for daisy chain, AC cable, Remote Controller
18.	Display Controller	<p>Video Distributor/ Display controller to control Video wall in a matrix as per requirement with necessary software:  Processor specs: Quad core 64-bit, 3.4 GHz CPU or latest  RAM: 8 GB DDR3/4 minimum  HDD: Min 500 GB Hard Disk (Hard disk Capacity should be upgradable)  Network support: Gigabit Ethernet Controller inbuilt, Support for Add on Network adapters.  Videowall Display: Display multiple source windows in any size, anywhere on the wall  Accessories: DVD-R, DVD+RW, Keyboard, mouse  OS Support: 64-bit Operating Systems Windows / Linux or equivalent industry standard</p>
<b>Video Wall Management Software</b>		
19.	Display & Scaling	Display multiple sources anywhere on display up to any size
20.	Input Management	All input sources can be displayed on the video wall in freely resizable and movable windows
21.	Scenarios Management	Save and Load desktop layouts from Local or remote machines
22.	Layout Management	Support all Layout from Input Sources, Internet Explorer, Desktop and Remote Desktop Application
23.	Multi View Option	Multiple view of portions or regions of Desktop, Multiple Application Can view from single desktop
24.	Other features	<ul style="list-style-type: none"> <li>• SMTP support</li> <li>• Remote Control over LAN</li> <li>• Alarm management</li> <li>• Remote management</li> <li>• Multiple concurrent client</li> <li>• KVM support</li> </ul>
25.	Display Management	<ul style="list-style-type: none"> <li>• Display Health Monitoring</li> <li>• Pop-Up Alert Service</li> <li>• Graphical User Interface</li> </ul>

#### 4.14 Additional LED Display

S/N	Parameter	Minimum Required Specifications
1.	Configuration	Full HD IPS LED, Direct LED Backlight
2.	Screen Size	55" or higher
3.	Resolution	Full High definition (1920 X 1080) 16:9 Widescreen
4.	Contrast Ratio	1200:1 or better
5.	Brightness	300 Cd/m2 or better
6.	Refresh Rate	60 Hz or better
7.	Response Time	8 to 12 ms
8.	Viewing Angle	160 degrees or better
<b>Interface</b>		
9.	Standard Inputs	1x Digital DVI-I ; 1x Digital DVI-D/HDMI Port or Higher
10.	Standard Outputs	1x Digital DVI-D / 1x DP 1.2
11.	Control	RS-232/RS-422/IR
<b>Power</b>		
12.	Consumption	Not more than 300 Watt
13.	Power Supply	AC 100 -240 V~ (+/-10 %), 50/60 Hz
<b>General</b>		
14.	Operating Temperature	0°C - 40°C
15.	Humidity	20% - 90%, non-condensing
16.	Certification	ANSI/ETL/UL, FCC, CE, BIS certified at the time of bidding
<b>Accessories</b>		
17.	Accessories	Dual Link DVI-D /DP/HDMI cable, AC power cable, Remote Control, Batteries, Wall mount bracket

#### 4.15 Video Decoder for Additional LED Display

S/N	Parameter	Minimum Required Specifications
1.	Channel	Min 32 Channel
2.	Video Format Support	H.265, H.264, MPEG
3.	Resolution	25/30 FPS
4.	Ports	Input - RJ45, Output: 1*HDMI/DVI-I ,USB
5.	Compatibility	Should be compatible to the proposed VMS and the camera system

#### 4.16 42U Server Rack

S/N	Specification
1.	Powder Coated Door Steel Full Prf 600W x 42U with removable side doors
2.	Castor with ft break (2+2)
3.	Sliding Tray, adjustable rails in front and rear
4.	Should have sufficient perforation for ventilation of air
5.	IPDU: As per the requirements of the IT equipment's to be loaded

#### 4.17 L3 Switch 24 Port

S/N	Specification
1.	Min 24 Nos. 10/100/1000 BaseT ports and additional, 4 SFP Slots with 02 Nos. of loaded with (1 Gbps multimode )SFP Module
2.	All the interfaces ports should be wire speed and non-blocking
3.	Should be IPv4 and IPv6 ready from day one
4.	Should support minimum 8000 MAC address entries



5.	Should support protocols like MSTP, STP, RSTP, dot1q VLAN-tagging, LACP, NTP
6.	Should have features like port-security, auto-negotiate, flow control, MAC filtering
7.	Should support routing protocols like static route, OSPF, RIP, BGP, Multicast, PIM (v1, v2), IGMP (v1, v2, v3) from day one for both IPv4 and IPv6.
8.	Should support minimum 1K multicast groups
9.	Should have a dedicated OOB Management port using CLI(SSH), SNMP (V1, V2, V3), TFTP, etc.
10.	Should support AAA features using TACACS+, Radius/ LDAP, etc.
11.	All necessary SFP's, interfaces, connectors, patch cords (if any) & applicable licenses must be delivered along with the switch from day one.
12.	The device should support the aggregation of the interfaces to form one single logical interface for data transfer.
13.	Should have redundant power supply and FAN
14.	The Switch should be Rack mountable & the switch should be supplied with Indian standard AC power cord.
15.	Should support Open Flow

#### 4.18 Router

S/N	Item (Minimum Specification)
1.	In case of failure of any single route processor, none of the line card traffic should be impacted.
2.	<b>Router should have a minimum throughput of 2 Gbps with 2 x 1G ports (1 single mode SFP + 1 Multi mode SFP)</b>
3.	Router should support Redundant Power Supply and should also support On line insertion and removal of the same from day one.
4.	Router must support TCP/IP, PPP, Frame Relay, HDLC
5.	Router should support the aggregation of the interfaces to form one single logical interface for data transfer.
6.	Router should support IPv4 and IPv6 from day one
7.	Router should support all standard routing protocols like BGP, MBGP, OSPF v2/v3, IS-IS, RIP/RIPv2, static routes, MPLS (L2 & L3), PIM (v1, v2), IGMP (v1, v2, v3), Ipv6 tunneling, NTP, etc.
8.	Router should support High Availability (VRRP, or other proprietary protocol, etc.)
9.	Router should support QoS (DSCP, CoS), marking, classification and Policing
10.	Router should support Traffic Engineering & MPLS-TE with FRR
11.	Router should have a dedicated OOB Management port using CLI(SSH), WebUI (SSL), SNMP (v1, v2, v3), TFTP, etc.
12.	Router should support AAA features using TACACS+, Radius/LDAP, etc.
13.	The device should support the aggregation of the interfaces to form one single logical interface for data transfer.
14.	The Router should be supplied with Indian Standard power cables.
15.	Router should have redundant control plane for non-stop forwarding and routing
16.	The Router should be supplied with all necessary SFP's, interfaces, connectors, patch cords (if any) must be delivered along with the applicable Licenses from day one.

#### 4.19 Firewall

S/N	Item (Minimum Specification)
1.	Proposed device should also perform activities like firewall, Intrusion prevention from day one with required perpetual Licenses and 24*7 support for 5 years
2.	<b>Firewall should have a minimum throughput of 2 Gbps with 2 x 1G ports (2 single mode SFP). Minimum concurrent session 64000, new simultaneous connections: 1000</b>

3.	Device should support IPv4 & IPv6 dual stack functionality
4.	Firewall should support both routed & transparent mode
5.	Firewall should support static NAT, PAT, dynamic NAT, PAT
6.	Firewall should support Nat66 (IPv6-to-IPv6) and Nat46 (IPv4-to-IPv6) functionality, NAT66
7.	Firewall should support static, dynamic and multicast routing protocol
8.	Firewall should support creating access polices on the basis of IPv4, IPv6 objects, protocols, ports, user etc.
9.	Firewall should support user authentication & should be integrate with LDAP/ RADIUS
10.	Solution should support troubleshooting tools like Ping, Traceroute, Packet Tracer/capture, etc.
11.	The device should be manageable using standard protocols like HTTP, HTTPS, SSL, telnet, SSH, SNMP, etc.
12.	The device should be supplied with Indian Standard power cables.

#### 4.20 L2 Switch 8 Port PoE

S/N	Item (Minimum Specification)
1.	Switch should have minimum 8 No's of 10/100/1000 Base-Tx PoE ports (Duplex, Full, Half) and 2 nos' of SFP ports (2 SFP Slots loaded with 1 Gbps Multimode SFP Module). Switch PoE power rating should sufficient to support the cameras to be connected
2.	Should have minimum switching capacity of 8 Gbps. All ports on the switch should work on line rate.
3.	Should be IPv4 and IPv6 ready from day one
4.	Should have IGMP snooping v1,2 & 3 supporting min 100 multicast groups
5.	It shall support IEEE 802.1s Multiple Spanning Tree Protocol and provide legacy support for IEEE 802.1d STP and IEEE 802.1w RSTP or equivalent technology and static routes.
6.	Switch should support Port-based and 802.1Q tag-based VLANs, MAC-based VLAN, Guest VLAN, Private VLAN, with multiple uplinks
7.	All ports should have features of auto- negotiate, flow control (802.3x), port based network access control (802.1x), port security, MAC filtering etc.
8.	The switch should support, IPv6 DHCP-Guard/ DHCP Snooping, Source-Guard features
9.	All necessary SFP's, interfaces, connectors, patch cords (if any) & licenses must be delivered along with the switch from day one.
10.	Web/SSL, Telnet server/SSH, ping, traceroute, Simple Network Time Protocol (SNTP)/NTP, Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs
11.	Duplicate address detection (DAD)
12.	The Switch should be Rack mountable & the switch should be supplied with Indian standard AC power cord, suitable Patch Panels with I/O's
13.	Should support Open Flow

#### 4.21 9U Rack

Item (Minimum Specification)
9 U wall mounting rack – Rigid frame that can be fixed to the wall, 19" Adjustable rails in the front and rear, Front section with glass door and lock, Top and bottom cable entry facility, 600mm wide * 450 mm deep, Cable managers, Earth continuity kit, Steel powder coated cabinet, AC power Distribution box equipped with fuse and Indian Standard Socket (Bidder has to carry out installation/fixing)

#### 4.22 UPS 600 VA

S/N	Parameter	Minimum Specifications
1.	Capacity	600 VA or more Line Interactive
2.	Technology	Automatic Voltage Regulation
3.	Input Frequency Range	50 Hz +/- 5%

4.	Output Frequency Range	50 Hz +/- 5%
5.	Output Voltage	180VAC - 250 VAC
6.	Voltage Regulation	+/-8% (or better)
7.	Output Waveform	Modified Sine Wave
8.	Output Power Factor	0.6 or more
9.	Battery Backup	Minimum backup of 15 Minutes
10.	Operating Temperature	0 to 40 Degree Celsius
11.	Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery

#### 4.23 Operator Console and Chair

S/N	Parameter	Item (Minimum Specification)
1.	Operator Console	<p>Console solutions for one monitor and one operator in a control room. Design of the console should be such that it allows operator to use it for 24/7 without any discomfort like moulded edge for wrist cushion etc. Recognize the critical importance of operator comfort and efficiency and have the durability and flexibility of being extended at any time.</p> <ol style="list-style-type: none"> <li>1. Table Top should be of minimum 1000 mm (Depth) x 800 mm ( Length )</li> <li>2. Fully Articulating Monitor Arms to support 23" Monitor</li> <li>3. Front or Rear Pull Out PC Trays</li> <li>4. Power Distribution</li> <li>5. Task Lighting</li> <li>6. Printer Shelves</li> <li>7. Document Pedestals</li> </ol>
2.	Chair	<p><b>General:</b> Ergonomic Chair with Arm Rest and castor wheels designed for 24/7 usage  <b>Backrest support:</b> Tilt adjustable, polystyrene support frame with 100% polyester fiber  <b>Seat Adjustment Mechanism:</b> Self-adjustable synchronous mechanism with soft resort. Multi-locking with safe anti-return system.  <b>Base:</b> Swivel on castor with 5 polyamide double-wheel castors (made of polyamide and fiber glass)  <b>Armrests:</b> Adjustable with PU pads</p>

#### 4.24 Split AC

Minimum Required Specifications
2 Ton standard split Air conditioner with BEE five-star energy rating and required accessories and cabling for the installation, commissioning and maintenance

## Section 5: Price Bid Format

S/ N	Item	UOM	Qty. (In Nos.)	Unit Price With 5 Year Warranty (Without Tax)	Total Price With 5 Years Warranty (In Rs.) (Without Tax)	Tax (GST) (%)
A	B	C	D	E	F=(D*E)	G
1.	Indoor Fixed Dome Camera	Nos.	769			
2.	Outdoor Bullet Camera	Nos.	1012			
3.	Outdoor Box Camera (For Face Recognition)	Nos.	42			
4.	Outdoor PTZ camera	Nos.	67			
5.	PTZ Joystick	Nos.	18			
6.	External White Light Illuminator (For Face recognition camera)	Nos.	42			
7.	Surge Protection Power Strips	Nos.	300			
8.	3 KVA UPS with 1 hrs. Backup	Nos.	18			
9.	Video Management Software	Nos.	1			
10.	VMS License bank for Camera	Nos.	2000			
11.	VMS Licenses for workstation	Nos.	57			
12.	Server	Nos.	26			
13.	Storage with 100 TB space	Nos.	06			
14.	Storage with 150 TB space	Nos.	06			
15.	Storage with 250 TB space	Nos.	05			
16.	Storage with 600 TB space	Nos.	01			
17.	Monitoring Workstation	Nos.	57			
18.	Video Wall Solution (with all required hardware and accessories) - 55", in (2X2) arrangements	Nos.	05			
19.	Video Wall Solution (with all required hardware and accessories) - 55", in (1X1) arrangements	Nos.	12			
20.	Additional LED Display	Nos.	18			
21.	Video Decoder for Additional LED Display	Nos.	18			
22.	Face Recognition System (including all required Hardware, Application and System Software with applicable licenses for 42 Cameras)	Nos.	01			
23.	42U Server Rack	Nos.	18			
24.	24 port Layer 3 Switch	Nos.	24			
25.	Router	Nos.	18			
26.	Firewall	Nos.	18			
27.	8 port POE Switch with patch panel	Nos.	278			
28.	9U rack for Access switch	Nos.	278			

29.	600 VA UPS with 15 min backup	Nos.	278			
30.	6 Core Multi mode Fiber Cables with all required accessories, laying as per the scope of work, functional and technical requirement of the RFP	Meter	29500			
31.	CAT-6 Cables with all required accessories, laying as per the scope of work, patch cables functional and technical requirement of the RFP	Meter	65900			
32.	Control Room console (table and Chair)	Nos.	57			
33.	Split AC 2 Ton with installation, cable, accessories.	Nos.	16			
34.	Manpower charges	per year Per Resource	1			
<b>Grand Total</b>						

**Note:**

1. All the above-mentioned line items should comply to Technical specifications and Scope of work including all applicable Licenses, Active and passive Cabling and Accessories, Installation, Commissioning and Configuration and onsite Support.
2. The L1 Shall be calculated as  $L1\ Price = \{Sum\ Total\ of\ all\ the\ line\ Items\ i.e.\ Item\ no.1\ to\ 9\ and\ 11\ to\ 34\ of\ the\ price\ Bid\} + (100\ X\ Total\ Cost\ of\ Item\ no.\ 10\ of\ the\ Price\ Bid)$ , without Taxes.
3. Above mentioned quantities are indicative and for evaluation purpose only, the actual quantities may vary at the time of placing the order.
4. Rate to be filled should be inclusive of Packing/ Forwarding, Insurance, FOR destination (anywhere in the Gujarat state) and with applicable warranty. GST needs to be shown separately.
5. The rates should be valid for a period of 1 year from the date of financial bid opening.

## Section - 6

### Performa of Compliance letter/Authenticity of Information Provided

(On Non judicial Stamp paper of 100 duly attested by the First class Magistrate/Notary Public)

Date:

To,  
DGM(Tech.)  
Gujarat Informatics Ltd.  
Block No.1, 8<sup>th</sup> Floor,  
Udyog Bhavan, Gandhinagar.

**Sub: Compliance with the Tender Terms & Conditions, Specifications and Eligibility Criteria.**

**Ref: RFP.NO. GIL\Jails\Video Surveillance\2017-18**

Dear Sir,

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

We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on **DD.MM.YYYY**.

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

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

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

The Information provided in our submitted bid is correct. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/ PBG/cancel the award of contract. In this event, GIL reserves the right to take legal action on us.

Thanking you,

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2018

Signature: \_\_\_\_\_

(In the Capacity of) : \_\_\_\_\_

Duly authorized to sign bid for and on behalf of

\_\_\_\_\_

**Note: This form should be signed by authorized signatory of bidder**

## Annexure A

### Format of Earnest Money Deposit in the form of Bank Guarantee

Ref: Bank Guarantee No.  
Date:

To,

**DGM (Technical)**

Gujarat Informatics Limited  
8th Floor, Block -1, Udyog Bhavan,  
Sector - 11, Gandhinagar - 382017  
Gujarat, India

Whereas ----- (here in after called "the Bidder")) has submitted its bid dated ----- in response to the RFP.NO. GIL\Jails\Video Surveillance\2017-18 Bid for Selection of Agency for Supply, Installation, Commissioning and warranty support of various Equipments for the Implementation of Video Surveillance System at Jails 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 -----2018.

**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 \_\_\_\_\_ 2018.

\_\_\_\_\_  
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/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time)**



## Section - 7

---

### Performa of Contract-cum-Equipment

#### Performance Bank Guarantee

(To be stamped in accordance with Stamp Act)

Ref:

Bank Guarantee No.

Date:

To

Name & Address of the Purchaser/Indenter

\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

In consideration of <<Name & Address of the Purchaser/Indenter, Government of Gujarat, Gandhinagar>> (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s. .... having Principal Office at ..... (hereinafter referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of \_\_\_\_\_ by issue of Purchase Order No..... Dated ..... issued by Gujarat Informatics Ltd. ,Gandhinagar for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, \_\_\_\_\_ having Head Office at (hereinafter referred to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) to the OWNER/PURCHASER on demand at any time up to \_\_\_\_\_ without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/ PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

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.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) and it shall remain in force up to and including \_\_\_\_\_ and shall be extended from time to time for such period as may be desired by the SELLER on whose behalf this guarantee has been given.

Dated at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Signed and delivered by

\_\_\_\_\_  
For & on Behalf of

Name of the Bank & Branch &  
Its official Address

List of approved Banks

**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/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time**

**CONTRACT FORM**

THIS AGREEMENT made on the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_ Between \_\_\_\_\_ (*Name of purchaser*) of \_\_\_\_\_ (*Country of Purchaser*) hereinafter "the Purchaser" of the one part and \_\_\_\_\_ (*Name of Supplier*) of \_\_\_\_\_ (*City and Country of Supplier*) hereinafter called "the Supplier" of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., \_\_\_\_\_ (*Brief Description of Goods and Services*) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of \_\_\_\_\_ (*Contract Price in Words and Figures*) hereinafter called "the Contract Price in Words and Figures" hereinafter called "the Contract Price."

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2 The following documents shall be deemed to form and be read and construed as part of this Agreement, viz. :
  - 2.1 the Bid Form and the Price Schedule submitted by the Bidder;
  - 2.2 terms and conditions of the bid
  - 2.3 the Purchaser's Notification of Award
- 3 In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4 The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
- 5 Particulars of the goods and services which shall be supplied / provided by the Supplier are as enlisted in the enclosed annexure :

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the

Said \_\_\_\_\_ (For the Purchaser)

in the presence of \_\_\_\_\_

Signed, Sealed and Delivered by the

said \_\_\_\_\_ (For the Supplier)

iiin the presence of \_\_\_\_\_



Bidder Name	Address	ISO 9001:2008/2015 issued dated	ISO 9001:2008/2015 valid up to	Type of supporting document attached

**Note:**

1. Please fill this form and submit the supporting documents. Failing the same may lead to the rejection of the bid.
2. The Bidder will have to quote one make & model for each line item. Quoting multiple make & models in the BID may lead to rejection of the bid.

**Form no. E6: Office and Service Center in India of OEM / IP CCTV Camera Product Company:**

Sr. No.	Address	Contact Person	Contact nos.	Type of supporting document attached
1				
2				

**Note:** Please fill this form and submit the supporting documents. Failing the same may lead to the rejection of the bid. You may mention more than one office (if applicable) by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

**Form no. E7: Experience of OEM / IP CCTV Camera Product Company:**

Sr. No.	Name of the Organization	Address of installation	P.O/ W.O. Date	No. of IP CCTV Cameras Installed	Value of the project in Rupees	Document attached or not?
1						
2						
.						

**Note:** Please fill this form and upload necessary supporting documents like copies of purchase order / contract agreement and completion certificate for each of project details mentioned, as a proofs in the eligibility section. You may add the customer references by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

**Annexure I - Approximate bill of material for Supply and Installation of IP CCTV System for various Distric & Sub Jails**

Sr. No.	Item Description/Location	Qty for Mehsana	Qty for Palanpur	Qty for Navsari	Qty for Amreli	Qty for Patan	Qty for Himmatnagar	Qty for Gondal	Qty for Nadiad	Qty for Chhota Udaipur	Qty for Rajpipla	Qty for Bharuch	Qty for Godhara	Qty for Surendranagar	Qty for Modasa Jail	Qty for Morbi Jail	Qty for Central Jail Ah'd	Qty for Rajkot Jail	Galpadar Jail	Overall
1	Indoor Fixed Dome Camera	36	37	25	33	42	14	23	39	29	64	37	17	32	16	32	200	29	64	769
2	Outdoor Bullet Camera	56	47	50	86	99	16	65	91	16	91	50	15	24	29	31	136	19	91	1012
3	Outdoor PTZ Camera	4	4	4	4	4	2	5	4	2	4	4	4	4	4	4	4	2	4	67
4	PTZ Joystick	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
5	3 KVA UPS with 1 hr. battery backup	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
6	Server	1	1	1	2	2	0	1	2	1	2	1	1	1	1	1	5	1	2	26
7	Storage with 100 TB space	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	1	0	6
8	Storage with 150 TB space	1	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	6
9	Storage with 250 TB space	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	1	5
10	Storage with 600 TB space	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
11	Monitoring Workstation	3	3	3	4	4	2	3	4	2	4	3	2	2	2	3	7	2	4	57
12	VMS Licenses for workstation	3	3	3	4	4	2	3	4	2	4	3	2	2	2	3	7	2	4	57
13	Video Wall Solution (with all required hardware and accessories) - 55", in (2X2) arrangements	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	1	5
14	Video Wall Solution (with all required hardware and accessories) - 55", in (1X1) arrangements	1	1	1	0	0	1	1	0	1	0	1	1	1	1	1	0	1	0	12
15	Additional LED Display	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	17
16	Video Decoder for Additional LED Display	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	17
17	42U Server Rack	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
18	24 port Layer 3 Switch	1	1	1	1	2	1	1	2	1	2	1	1	1	1	1	3	1	2	24
19	8 port POE Switch with patch panel	15	15	15	15	20	6	15	20	7	22	15	7	10	7	10	50	7	22	278
20	9U rack for Access switch	15	15	15	15	20	6	15	20	7	22	15	7	10	7	10	50	7	22	278
21	600 VA UPS with 15 min backup	15	15	15	15	20	6	15	20	7	22	15	7	10	7	10	50	7	22	278
22	6 Core Single Mode Fiber Cables with all required accessories, laying as per the scope of work, functional and technical requirement of the RFP	1500	1200	1200	2000	2000	800	2000	2000	800	2500	1200	1000	1000	1000	1000	4000	800	2500	28500
23	Cat6 Cables with all required accessories, laying as per the scope of work, patch cables functional and technical requirement of the RFP	3000	3000	3000	5000	6000	1200	4000	5500	2000	6500	3000	1500	1500	1500	1500	10000	1200	6500	65900
24	Control Room console (table and Chair)	3	3	3	4	4	2	3	4	2	4	3	2	2	2	3	7	2	4	57
25	Split AC 2 Ton with installation, cable, accessories.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	16
26	Outdoor Box Camera (For Face Recognition)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	8	2	2	42
27	External White Light Illuminator (For Face recognition camera)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	8	2	2	42
28	Surge Protection Power Strips	16	16	16	16	21	7	16	21	8	23	16	8	11	8	11	55	8	23	300

Note: 1 no of Additional LED Display, Video Decoder for Additional LED Display & approx 1000 meter OFC and related accessories (Between jail bhavan and Ahmedbad central jail) are required for Jail Bhavan, Ahmedabad