

Zonal Office MUMBAI, G.A.D. Department  
UCO BANK BUILDING, D.N.ROAD, FORT MUMBAI

Email-[zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)

Website <http://www.ucobank.com>

Tendor Ref. No. – **2022/01, dated 10.12.2022**

**OFFER FOR EMPANELMENT OF VENDER FOR SUPPLY AND INSTALLATION OF CCTV ELECTRONIC ALARM SYSTEMS (EAS) AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) THEREOF IN THE BANK BRANCHES UNDER ZONAL OFFICE, MUMBAI.**

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सुरक्षा विभाग, सार्वजनिक सुरक्षा विभाग, उको बँक इमारत, 1<sup>st</sup> फ्लोर, # 359, ड्र ददाबhai नाओजी रोड, मुंबई - 400001.

Zonal Office, Security Department, UCO Bank Building, 1<sup>st</sup> Floor, # 359, Dr Dadabhai Naoraji Road, Mumbai – 400001  
Tel. No.: 022-40544333 E-mail:- [zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)

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### Invitation for Tender offers

A).UCO Bank invites sealed tender offers from eligible, reputed and interested Firm/ Company for empanelment of Vender for supply, Installation and Comprehensive Annual Maintenance Contract (CAMC) thereof CCTV & Elelctronic Alarm System in the Branches under Zonal Office, Mumbai.

**A. Status of availability of Security equipments:-**

We have 60 branches and one Zonal Office under Mumbai zone situated in the state of Maharashtra. Each of our branches and Zonal office have been provided with fire and burglar alarm system and CCTV system for security and safety of Bank's assets. These security equipments need to be maintained for their 24x7 functioning which included repair/ replacement of faulty parts, upgradation of obsolete equipments, and installation of new equipments on need basis.

Alarm system: - Our branches and Zonal office have either fire cum burglar integrated alarm system or separate fire alarm and burglar alarm system. Alarm systems are provided with various types of sensors like panic switch, vibration, tilt, magnetic contact, smoke, heat, multi, PIR sensor, Hooter, Motorised siren, autodialer (PSTN/ GSM).

**B. Scope of work:-**

The scope of work for maintenance and installation of security equipments is as follows:

1. **For Alarm system:** - Maintenance of the available burglar and fire alarm systems under (AMC), repair/ replacement of faulty parts. Replacement of old and obsolete alarm panel system with new one on need basis. Re-installation of equipments in case of shifting/ furnishing of branch premises and installation of new system in newly opened branch.
2. **For CCTV system:** - Maintenance of the available CCTV systems under (AMC), repair/ replacement of faulty parts. Replacement of old and obsolete DVR/ NVR/Cameras with new one on need basis. Re-installation of equipments in case of shifting/ furnishing of branch premises and installation of new system in newly opened branch.

A complete set of Tender document to be down loaded by the eligible tenderer from the website [www.ucobank.com](http://www.ucobank.com)

**B) Tender reference:**

S N	Tender Reference	Schedule
1	Advertisement in News Papers and Bank's website on	10.12.2022, Tender will remain live on Bank's website up to 06.01.2023.
2	Date & venue of pre bid meeting	Queries related to Tender can be submitted on our email, <a href="mailto:zomumbai.sec@ucobank.co.in">zomumbai.sec@ucobank.co.in</a> on or before 28 <sup>th</sup> Dec 2022 or intrested bidder may visit our Office on 29 <sup>th</sup> Dec 2022 for pre-bid meeting at 1100 hrs to 1200 hrs at UCO bank Zonal Office Mumbai, UCO Bank Building 1 <sup>st</sup> floor D.N.Road, Fort Mumbai-400001
3	Last Date & Time for Submission of Tender	06.01.2023 upto 5:00 PM at Zonal Office, Mumbai.
4	Date and Time of Opening Eligibility Bid i.e Part-I	07.01.2023 at 11:00 AM at Zonal Office, Mumbai
5	Date and Time of Opening of Technical Bid i.e Part- II	12.01.2023 at 11:00 AM at Zonal Office, Mumbai. Technical Bids will be opened for those vendors only, who will be qualified in Part-I of Tender.
6	Date and Time of Demonstrations	Vendor(s), who will qualify Part-I & II, he/ they will eligible for Demostration Part. The date & time for demonstration will be informed accordingly to the selected Venders
7	Estimated cost of Tender	Rs. 15 lacs (Approx) & further as per requirement of Bank

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 संपर्क: ०२२-४०५४३३३, ई-मेल: [zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)

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8	Earnst money deposit	Rs. 10,000/-, Demand draft in the name of UCO bank, Zonal Office, Mumbai The Vendor/Company/ Firm, who have registered with MSME & NSIC, will be exempted to submit Earnest Money deposit with the Tender. However, Bidder will submit an undertaking on Non-Judicial Stamp Paper, that if he/ they will select for above work, he/they will not refuse to execute the purchase order/ contract if awarded by the Bank
9	Performance Bank Guarantee	10% of the cost of work to be submitted by successful bidder in the form of Bank Guarantee at the time of allotment of work.
10	Validity of Tenders	90 (Ninety) days from the date of opening.
11	Address of Communication	Zonal Office, Mumbai, UCO Bank Building 1 <sup>st</sup> floor D.N.Road, Fort Mumbai-400001.
12	Contact Number	9920645595 on working days between 1030 am to 1700
13	E-mail	<a href="mailto:zomumbai.sec@ucobank.co.in">zomumbai.sec@ucobank.co.in</a>

**C.** Bidder required to submit their applications to the undersigned in two sealed covers as Eligibility bid in sealed envelope super scribing "PART- I (Eligibility Bid)", Technical bid in sealed envelope, super scribing "PART-II (Technical Bid)" for all branches. Both Parts of Bids will be in one sealed envelope super scribing "Empanelment of Vender for supply Installation & maintenance of CCTV & EAS system and Comprehensive Annual Maintenance Contract (CAMC) thereof at the Bank Branches under Zonal Office, Mumbai" with the Vender's complete address and contact number.

**(1) Part I. - Eligibility Bid-** to include profile of the company.

a) List of major existing clients, registered number and GST details etc. as per **Appendix-I** point wise. Attach document wherever required.

**(1) b) EMD shall be Rs- 10,000/-(Ten thousand only)** to be deposited along with tender document through Demand Draft, Bankers Cheque or Pay Order in favour of **UCO Bank, Zonal Office, Mumbai. No interest shall be paid on the EMD.** The Vendor/Company/ Firm, who have registered with MSME & NSIC, will be exempted to submit Earnest Money deposit with the Tender. However, Bidder will submit an undertaking on Non-Judicial Stamp Paper, that if he/ they will select for above work, he/they will not refuse to execute the purchase order/ contract if awarded by the Bank.

**(2) Part II. Technical bids** -to meet the technical specification: Compliance of technical specifications of CCTV & EAS systems given in **Appendix –II to Appendix-XIII(2)** point wise.

**D)** Eligibility & Technical Bids will be opened in the presence of the vendor's representatives.

**E)** In case the date of last date of issuance and/ or the date of receipt and opening of tender are declared as holiday, the respective date shall be treated as deferred/re-scheduled to the next working day correspondingly.

**F)** It may be noted that the requirement given in this RFP is indicative only .

**G)** Fax and E-mail tenders/offers will not be accepted.

**H)** Bank reserves the right to accept / reject in part or full any or all offers without assigning any reason whatsoever and without any cost or compensation therefore. Any decision of UCO Bank in this regard shall be final, conclusive and binding on the Offerer/ Tenderer.

**I)** The contract period for supply, installation and maintenance of new CCTV & EAS systems will be for the period of 03 years and Comprehensive AMC after warranty period of 01 year, will be for the period of 05 years. However, agreement will be executed for one year and renewed for next year after satisfactory services provided by the Vender. New supply, installation and AMC rates will be fixed and non negotiable and no revision will be permitted in future.

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Note: Mumbai Zone comprises Mumbai city, Mumbai suburban,Thane, Raigad, Palghar Distt. only Branches/ ATMs are widely dispersed. The requirements mentioned above pertain to the entire region and not to the particular centre where ZO is located.

If the Head Office or any higher office of UCO Bank conducts Pan India Rate contract, Zonal office, Mumbai will have the right to cancel this Rate contract. In such case notice of one month will be served to the firm for termination of Rate contract and no other claims will be entertained.

J) All Branches and ATMs are already equipped with CCTV & EAS system and all are under annual maintenance and working properly. In future, existing CCTV & EAS system will be replaced with new CCTV & EAS (as per this Tender) as wherever is required.

K) Zonal Office Mumbai wants to empanel suitable Firm/Company/Vendor for the period of 03 years for supply installation of CCTV & EAS system & Comprehensive Annual Maintenance Contract (CAMC) thereof in branches under Mumbai Zone.

L) One bidder can apply for empanelment for one or more security item(s), bidder have to spell out the name of item, CCTV system or Alarm system for which the empanelment is sought.

M) One bidder can be empanelled for one or more item(s) for which the bidder fulfilling the eligibility criteria.

O) Bidder need to submit the proofs to validate their experience (copies of work order/ contract and performance certificates of the work done) in the respective field i.e CCTV/ Alarm for which the empanelment is sought.

N) For any other queries, vendors may contact on 9920645595 on working days between 1030 A.M. to 5 P.M.

**Zonal Manager**  
**UCO Bank, Zonal Office,**  
**Mumbai,**  
**E-mail: [zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)**

### **INSTRUCTIONS TO BIDDERS AND GENERAL TERMS & CONDITIONS**

- (1) The CCTV & EAS and all the parts should meet with standard stipulated as mentioned in technical specification.
- (2) Estimated demand of Supply and Maintenance contract of CCTV & EAS system in Branches/ ATMs and other Offices of UCO Bank, in Mumbai Zone on, as and when required basis.
- (3) Reputed service providers specializing in providing and installation of CCTV & EAS for at least last 03 years in the field as on 1st January, 2022 will be considered.
- (4) Ability to undertake the work and maintenance of all branches throughout the Mumbai zone.
- (5) Ability to provide CCTV & EAS as per technical specifications available at **Appendix-II to Appendix-XIII** of this advertisement.
- (6) Ability to commence service within 15 days from date of placement of order.
- (7) The vendor should meet the eligibility criteria, other Requirements as per details available at **Appendix- I** of this advertisement.
- (8) The Vender should meet with technical specification and details given in **Appendix- II to Appendix-XIII**
- (9) Empanelment of vendors will be done in accordance with fulfilment of eligibility criteria specified in **Appendix-I** and fulfilment of technical specification compliance given in **Appendix- II to Appendix-XIII and as per Demonstration.**
- (10) The components/ parts/ accessories used in the CCTV & EASs shall have to be original, new & no refurbished/ duplicate/second hand components/ parts/ shall invoke the performance in case the accessories shall be accepted by the Bank. The vendor should also guarantee that all the components supplied by them is licensed & legally obtained.
- (11) They should have well established "After Sale Service Center at Maharashtra" equipped with requisite spare parts & adequate trained manpower for providing flawless day to day maintenance services.
- (12) If L1 bidder fails to comply the work order, Bank can consider to offer work order to L2 bidder on Rates & terms and conditions that of L1 bidder.
- (13) All Products, for which BIS standards exist, should conform to the latest BIS standards. The materials should be warranty against any bad workmanship for a period of 01 years (one years).Any defects found within this period are to be rectified immediately by the Firm free of cost.
- (14) Vendors will submit Copy of certification of equipment, copy of document of authorization from manufacturer to Indian dealers and from Indian dealer to supplier undertaking that the cards supplied are original.
- (15) Selected Bidder will submit a Bank Guarantee and selected Vender will submit Bank Guarantee as per Government/ Bank guidelines, which will be applicable on date of execution of Agreement.
- (16) The Firm should have at least one of its own office and service centre functioning in Maharashtra for not less than one year as on the date of commencement of issue of Quotation/ Invitation. Supplier's own Branches/service centres are preferable to agents.(Firms should submit Attested copies of original rent receipt or any proof to prove that it has own office and service centre functioning in Maharashtra for not less than TEN year as on the date.
- (17) Firms should have Registration under Shops & Establishments Act. (Attested copy of certificate to be submitted).
- (18) Firms shall not be owned or controlled by any Director or Officer/employee of the Bank or their relatives having the same meaning as assigned under section -6 of the Companies Act 1956. (A certificate denying the ownership of Agency/Firm/Manufacturer/ Dealer by any director or officer/employee of the Bank or their relatives having the same meaning as assigned under section 6 of the Companies Act 1956 issued by the CEO or Director of the Firm to be submitted along with the tender).

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- (19) Firms should submit an undertaking (on their letter head) that they have not been black listed by any of the Govt. Authority or PSUs/PSBs duly signed by authorized signatory with company seal.
- (20) Bank reserves the right to reject any/all bids (technical or financial) without assigning any reason thereto.
- (21) Bank is not responsible for late receipt of application or its damage in transit.
- (22) Any dispute arising in this matter will be settled in the jurisdiction of Mumbai.
- (23) Vendor should have adequate technician and local service centre at MUMBAI to attend the complaint and breakdown within 24 hour in branches under Mumbai Zone. Give the exact number of technician working in your concern.
- (24) Vender/dealer should submit Manufacturer Authorization Form (MAF) duly signed by the OEM in the name of the Vendor (service provider) for supply and maintenance of the equipment which they offered.
- (25) The selected Bidder will be provided agreement copy with OEM (original equipment manufacturer), for brand which they offered.
- (26) The selected Bidder shall be responsible for the OEM's warranty for all components constituting the system(s) against any defect(s) arising from design, materials, manufacturing, workmanship of assembling or any action or inaction/ omission on the part of OEM/ vendor or any defect that may develop during day to day use of the equipment/ system(s).
- (27) Notwithstanding Bank's right to cancel the order, liquidated damages for late installation of the system @ 0.2% of the cost of the item per day per case will be charged subject to a maximum of 10% of the value of the order. For this matter, meager delivery & installation will not debar the selected Bidder from enforcing the clause of liquidated damage & till such time the system is made operational, it would be considered as uninstalled. The penalty for late installation will be deducted from the bill amount.
- (28) The Bank reserves the right to reject any or all bids at any point of time prior to the issuance of purchase order without assigning any reasons whatever.
- (29) If, during the warranty period, any system as whole or part(s) thereof fails more than once within a quarter, the vendor has to ensure that an equivalent new equipment(s) replace it at free of cost.
- (30) The selected Bidder will not outsource the maintenance work to any third party & will arrange attending all complaints through its own service/ support infrastructure or through their principles (OEM).
- (31) The Bank shall impose a penalty up to 10% of the bill(s) if the vendor fails to maintain the above standard of maintenance. Penalty shall be deducted from bill(s) payable by the Branch(s)/ Zonal office.
- (32) The vendor should arrange to issue Identity Cards to the technicians. The technician will carry their ID cards during the Branch visit.

(33) Terms of payment: Payment to be released from the Branch after submission of final bill / Invoice and Installation Certificate.

a) The vendor will submit the Bill & Certificate of above work at concerned Branch, after completion the work.

b) On completion of the said work, you shall brief the Branch staff. Thereafter, the relevant bill for the work should submit to the Branch Head, whose upon verification of the bill shall release the same.

(34) The contract can be terminated by this Office at any time without assigning any reason, if the work of the contractor is found unsatisfactory. In this connection, the decision of the Zonal office Mumbai shall be final.

(35) REJECTION OF BID: The bid is liable to be rejected if:

- Tenders not received in two parts in separate envelopes will be summarily rejected.
- It is not in conformity with the instruction mentioned in this tender document.
- If it is not accompanied by requisite Earnst Money as stated above.
- It is received after expiry of the due date and /or time.
- It is evasive and contains incorrect information.
- If there is canvassing of any kind.
- It is submitted anywhere other than the tender box or to the addressee.
- If any indication of price/rate/charges is being found in Part-I of the tender.
- If the tender/R.F.P is conditional .

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 संपर्क: ०२२-४०५४४३३३, ई-मेल: [zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)

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**(36) EVALUATION CRITERIA OF THE TENDER:** The tender will be evaluated on Eligibility & Technical Bids submitted by the bidder as per RFP. After that, selected bidders to be qualify Demonstration Part also. Selected eligible Vendor(s) will be empanelled for 03 years in Mumbai Zone for supply and maintenance of CCTV & EAS system in branches. As per Bank's requirements, Financial Bids will be asked only from empanelled Vendors for any work related to CCTV & EAS in branches under Mumbai Zone.

**(37) Placement of Order/Letter of Indent (LOI):** Selected eligible Vendor(s) will be empanelled for 03 years in Mumbai Zone for supply and maintenance of CCTV & EAS system in branches. As per Bank's requirements, Financial Bids will be asked only from empanelled Vendors for any work related to CCTV & EAS in branches under Mumbai Zone. Work order will be offered to L1 bidder against all branches. In case L1 bidder fail to accomplish the work, Bank can consider to offer the work to L2 bidder at the rate of L1.

**(38) Date of Commencement:** The work shall be deemed to be commenced from 7th day from the date of receipt of work order or handing over of site which ever is later. The work should be started in consultation with Zonal Office Mumbai.

**(39) Time of Completion:** As per Bank's guidelines.

**(40) Execution of Agreement:** The successful bidder will have to execute an Agreement with Zonal Office, Mumbai in non-judicial stamp paper of requisite value purchased in favour of the vendor or UCO Bank and as per the Draft of Agreement, Format of Integrity & Draft Indemnity Bond as per Annexure-XVI to XVIII .

**(41) ORDER CANCELLATION/TERMINATION:** The Bank reserves its right to cancel the entire / unexecuted part of Work Order at any time by assigning appropriate reasons in the event of one or more of the following conditions treating it as default / non performance of the contract by giving 7 days written notice :

- a. Fails to accept the purchase order within the specified time .
- b. Delay in execution of work beyond the specified period.
- c. Partial execution of job.
- d. Serious discrepancies noted in the items delivered.
- e. Breaches in the terms and conditions of the Order
- f) Bank shall have the right to terminate the contract at any time at its own convenience by serving a prior written notice of 7 days to the successful bidder without assigning any reason and without cost or compensation terefor.

**(42) CONSEQUENCES OF TERMINATION:** The Bank at its sole discretion shall invoke the Performance Guarantee, and the Indemnity furnished towards non performance/non Compliance of the terms and conditions of the work order/contract by the Contractor/Vendor, without prejudice to its rights and conditions available under the Law for the time being in force.

**(43) Terms of Payment :** Bank will not pay any advance.

- a.Payment will be made by after completion of work. Bank will keep 10% of bill amount as retention money for 12 months.
- b.No payment will be made till execution of Agreement with Zonal Office, Mumbai.
- c. No payment will be made towards expenses related to transportation, accommodation, food, site office, labour camps, storage etc.

**(44) The Applicants may visit the locations before submission of their quotation.**

**(45) Bank reserves the right to accept or reject any or all quotation/s without assigning any reason.**

**(46) Property items would not be acc**

**Zonal Manager**  
**UCO Bank, Zonal Office,**  
**Mumbai- 400001**

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सुरक्षा विभाग, उको बँक - ४००००१.

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**FORM OF TENDER**

To  
The Zonal Manager  
UCO Bank Zonal Office  
Mumbai

Sir,

1. We have carefully examined all the contents incorporated in the various parts of this Tender Document for empanelment for supply maintenance of CCTV & EAS system and 05 years Comprehensive AMC after warranty period of 01 year in branches/Offices in Maharashtra under jurisdiction of UCO Bank, Zonal Office, Mumbai and taken note of all the terms & conditions stated in the Tender Document in its various parts.

2. We enclose a Pay Order / Demand Draft for Rs 10,000/- (Rupees Ten Thousand only) drawn in favour of UCO Bank and Payable at Mumbai as EMD (P.O/DD No..... Date..... Issuing Bank..... Branch.....).

3. We also agree that our tender along with the prices will remain valid for total contract period.

4. Our PAN for Income Tax is \_\_\_\_\_. We are registered with GST Authorities and our registration numbers are as follows:

6. We agree (if we select/ empanel for above work) to deposit Performance/ Bank guarantee equivalent to 10% of work allotted. Bank can forfeit the amount of performance guarantee if we are not able to execute the work allotted within schedule time or we fail to execute the allotted work with the terms, conditions & requirements of Bank.

GST Number: \_\_\_\_\_

For and on behalf of

\_\_\_\_\_

(With seal)

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

DULY AUTHORIZED SIGNATORY

\_\_\_\_\_ day of \_\_\_\_\_ 2022

उत्तर प्रदेश, सुरक्षा विभाग, उत्तर प्रदेश सरकार, उत्तर प्रदेश पुलिस, उत्तर प्रदेश आरक्षक, उत्तर प्रदेश. उत्तर प्रदेश. उत्तर प्रदेश, उत्तर प्रदेश -400001.

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(Enclose copies of relevant work orders)

The particulars furnished in the application are true to the best of my/our knowledge & belief. I/we understand that if any of the particulars is found incorrect, even at a later stage, my/our empanelment will be cancelled.

Date:

Signature of Applicant

## APPENDIX- I

**ELIGIBILITY CRITERIA FOR EMPANELMENT OF VENDORS FOR SUPPLY, INSTALLATION AND MAINTENANCE OF CCTV & EAS AND CAMC THEREOF:**

1. Vendor should have a Certificate of Registration with Registrar of Companies or Registrar of Firms or have a letter of proprietorship.
2. The CCTV & EAS surveillance systems to be procured will carry one year Warranty for all the components and the service provider should enter into a Comprehensive AMC with the Bank for further period of 05 years after period of warranty.
3. Vendor should have minimum 7 years of experience in supply, installation and maintenance of CCTV & EAS system.
4. Vendor should have minimum turnover of Rs. 10 cr per Year in the last 5 Years.
5. Vendor's Registration with GST, Sales Tax, ESI & EPF and PAN/ TAN Number is essential.
6. Vendor should provide the latest Audited Balance Sheet Preceding 5 Years.
7. Vendor should provide annual turnover for last 5 years.
8. Vendor's registered with SSI, NSIC and having ISO 9001 certification may be given preference.
9. Minimum Bank guarantee may be varied depending on the nature and cost of job.
10. Vendor should provide solvency certificate not older than one year with name and address of banker.
11. Vendor should have a local Office in the Mumbai for more than 10 years. Give postal address and landline contact number. They should have well established "After Sale Service Center at Mumbai" equipped with requisite spare parts & adequate trained manpower for providing flawless day to day maintenance services
12. Vendor should have availability of after sales service network within the Mumbai Region.
13. Vendor should have availability of warranty for every item.
14. The vendor has to give an undertaking that
  - a) At the time of installation, you will be trained the Bank's staff for operations of the CCTV & EAS.
15. Vendor should have 10 year work experience in executing the work of supply, installation and maintenance of CCTV & EAS system with RBI/Govt. Organisation/Public Sector Bank/ Private Banks/PSU.
  - a) Vendor should have done installations of CCTV & EAS systems in 7000 PSU/Private bank/Govt organisation branches in last ten years along with 2000 branches under AMC. Also need to submit proof for the same
16. Documentary proofs for the above like supply and maintenance order(s)/ work order(s) of each allotted work/ contract issued by respective client Public Sector Bank/banks/RBI/Govt. Organisation/PSU must be provided with Bid to establish the eligibility of Bidder. Bid without minimum required work order/contract as would be ineligible.
17. Each work order/ contract submitted as warranted above must be supported by Performance Certificate (s). Performance Certificate should be dully filled on letter head of the clients, signed by the officials dealing in security procurements/ maintenance of physical security equipments (preferably Security Officer).
18. If vender supply/ installed the products other than/ inferior quality to as shown in demonstration then the amount of Performance security will be forfeited by Bank.
19. Vender should be able to doing Comprehensive AMC for CCTV & EAS held with branches located in rural, semi urban, urban centres of Mumbai City,Mumbai suburban, Thane, Raigad, Palghar, districts of Maharashtra.
20. New installation will be done at branch/ATM locations as per Bank's requirement.
21. Vender/dealer should submit Manufacturer Authorization Form (MAF) duly signed by the OEM in the name of the Vendor (service provider) for supply and maintenance of the equipment which they offered. Vender/ dealer will submit agreement copy from OEM.
22. The vendor has to give an undertaking with eligibility bid that:  
Selected Bidder will give a Performance Security/ Bank Guarantee as per Government/ Bank guidelines, which will be applicable on date of execution of Agreement, favoring of UCO Bank Zonal Office, Mumbai for agreement period.

## Zonal Manager

**UCO Bank, Zonal Office,**

**UCO Bank Building, 1<sup>st</sup> Floor D.N.Road Fort Mumbai,**

400001

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□□□□□□ □□. Tel. No.: 022-40544333

E-mail:- [zomumbaj.sec@ucobank.co.in](mailto:zomumbaj.sec@ucobank.co.in)

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**Technical Specification & compliance for vendor :**

<b><u>HD DVR for 2 SATA</u></b>			
<b><u>MAKE :</u></b>			
<b><u>MODEL :</u></b>			
<b>S.N</b>	<b>Parameter</b>	<b>Specification</b>	<b>Compliances</b>
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4 BNC	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.265/H.264/G.711 respectively (One Channel) or higher	
15	Image Resolution	1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps;	
16	Encoding Stream	For 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
		For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30	

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		fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 4	
23	Relay Output	Supported	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 4 Channel – 2 SATA or better	
31	USB Interface	Minimum 2 Ports	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	

**Vender's signature with seal**

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**APPENDIX- III**

<u><b>HD DVR for 8 Channel 4 SATA</b></u>			
<u><b>MAKE :</b></u>			
<u><b>MODEL :</b></u>			
<b>S.N</b>	<b>Parameter</b>	<b>Specification</b>	<b>Compliances</b>
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4 BNC	
6	IP Camera Input	08 Ch. HD +4 IP Ch. (Total 12 IP Channel each upto 6 MP	
6	IP Camera Input	08 Ch. HD +4 IP Ch. (Total 12 IP Channel each upto 6 MP	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.264 or better	
15	Image Resolution	1080p/720p/VGA/WD1/4CIF/CIF;	
16	Encoding Stream	For 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	

		For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 8	
23	Relay Output	Supported	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 8 Channel – 4 SATA , Should support up to 10 TB per SATA port	
31	USB Interface	Minimum 2 Ports and atleast 1 should be USB3.0	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	

**Vender's signature with seal**



S.N	Parameter	Specification	Compliances for 32 CH
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4 BNC	
6	IP Camera Input	16 Ch. HD + 8 IP Ch. (32 Ch HD+ 16IP CH: 32 CH XVR)	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.264 or better	
15	Image Resolution	1080p/720p/VGA/WD1/4CIF/CIF or better	
16	Encoding Stream		

		For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 16	
23	Relay Output	Supported Maximum 8	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16,32	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 16 / 32 Channel – 8 SATA , should support up to 10 TB per SATA port	
31	USB Interface	Minimum 2 Ports and atleast 1 should be USB3.0	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	

**Vender's signature with seal**

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**APPENDIX- V**

## 4CH ATM DVR

**MAKE :**

**MODEL :**

SI No.	PARAMETERS	Specifications	Compliance Yes/No
1	Operating system	Embedded RTOS / Linux / Windows	
2	CPU	32 bit DSP or more powerful	
3	Analog / HD Camera Input	4 Channel DVR	
4	Video surveillance Hard disk	Surveillance Grade DVR HDD	
5	HDD Slots	1 SATA	
6	Video Input	4 Ch (Only for ATMs)	
7	Display speed	100 fps for 4 channel (Only for ATMs) (25 fps for each channel)	
8	Compression method	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
9	Display split screen (Screen mode)	1,4 for 4 channel,1,9 for 8 Channel &1,16 for 16 channel	
10	Encoding Resolution	<u>WD1/4CIF/CIF@25 fps (P)/30 fps (N) or better resolution</u>	
11	Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
12	Audio Output	1-ch, RCA (Linear, 1 KΩ)	
13	Synchronous Playback	4 Ch	
14	Independent Recording setting Per channel	Continuous, motion detection sensor activated, flexible date /time daily Schedule.	
15	Monitoring	4 channel real time Monitoring. Single mode & 2x2 Mode Sequential switching mode Switching out monitoring	
16	Searching / Playback	Date & Time based 1 channel searching and all channel simultaneous searching Replay up to 25 fps in each channel	

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17	Video Intelligence	Should support Motion detection, Intrusion Detection	
18	Back Up facility	In built & provision for External portable HDD/Pen drive/through USB port. Player software to play back recorded video should automatically be loaded on to the external back up media so that it can be played back on any PC directly.	
19	User Interface	On screen graphic User Interface(GUI)	
20	System recovery after power failure	Auto Re booting	
21	Operation for setting and searching	User friendly	
22	Multiple functionality	Should support pentaflex functions to perform all DVR functions at the same time, i.e., record, live view/playback, network (view remotely), administrative and backup. Client software for remote view shall be provided free of any charge if required.	
23	Compatibility	Should support all types of cameras	
24	Certifications	UL ,CE,FCC & BIS	
25	System operation	Micro processor based Password operated	

**Vender's signature with seal**

**APPENDIX- VI**

## 2MP HD Fixed Dome

## MAKE :

### MODEL :

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Color: 0.0005 Lux or better, 0 Lux IR on	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB	
11	Sync System	Internal	
12	White Balance	Automatic	
13	Day & Night	Automatic	
14	Shutter	Automatic	
15	Auto Gain Control (AGC)	Automatic	
16	Noise Reduction (NR)	3DNR	
17	White Light	Up to 20 mtr	
18	Lens	3.6mm, 6mm	
19	WDR	120 db WDR	
20	Input Voltage	DC12V±10%	
21	IP Rating	IP67	
22	Operation Temp	-30° to +50° C	
23	Storage Humidity	90% or less	

[illegible]

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## 2 MP HD Fixed Bullet

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Color: 0.0005 Lux or better , 0 Lux IR On	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB	
11	Sync System	Internal	
12	White Balance	Automatic	
13	Day & Night	Automatic	
14	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	White Light	Up to 30 mtr	
20	Lens	3.6mm	
21	Field of view	3.6 mm, horizontal FOV: 83.0°, vertical FOV: 44.4°, diagonal FOV: 98.0° 6 mm, horizontal FOV: 51.0°, vertical FOV: 28.5°, diagonal FOV: 58.7°	
22	WDR	120 db WDR ( DWDR not acceptable)	



23	Input Voltage	DC12V±10%	
24	IP Rating	IP67	
25	Operation Temp	-30° to +50° C	
26	Storage Humidity	90% or less	
27	Certification	UL ,CE,FCC & BIS	

**Vender's signature with seal**

**APPENDIX- VIII**

## 2 MP HD Varifocal Dome

## MAKE :

### MODEL :

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Mini. 0.01Lux@F1.2, AGC Illumination ON, 0 Lux with IR	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:720p or higher @25fps	
10	SNR	≥52dB	
12	Sync System	Internal	
13	White Balance	Automatic	
14	Day & Night	Automatic	
15	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	IR Range	Up to 30m	
19	Lens	2.8-12mm (verifocal)	
20	WDR	120 db WDR ( DWDR not acceptable)	
21	Input Voltage	DC12V±10%	
22	IP Rating	IP67 ,IK10	
23	Operation Temp	0° to +50° C	
24	Storage Humidity	90% or less	

[illegible]

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**APPENDIX- IX**

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		Sub-stream: H.265/H.264/MJPEG	
		Third stream: H.265/H.264	
21	H.264 Type	Baseline Profile/Main Profile/High Profile	
22	H.264+	Main stream supports	
23	H.265 Type	Main Profile	
24	H.265+	Main stream supports	
25	Video Bit Rate	32 Kbps to 8 Mbps	
	Smart Feature-set		
26	Behavior Analysis	Line crossing detection, intrusion detection	
27	Exception Detection	Scene change detection	
28	Face Detection	Yes	
29	Region of Interest	1 fixed region for main stream	
	Image		
30	Max. Resolution	1920 × 1080	
31	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)	
		60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	
32	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240)	
		60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)	
33	Third Stream	50Hz: 1fps (352 × 240, 320 × 240)	
		60Hz: 1fps (352 × 240, 320 × 240)	
34	Image Enhancement	BLC, 3D DNR, HLC	
35	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser	
36	Day/Night Switch	Day/Night/Auto/Schedule	
	Network		
37	Network Storage	Support Micro SD/SDHC/SDXC card (128G), NAS (NFS, SMB/CIFS)	
38	Alarm Trigger	Motion detection, video tampering, illegal login, HDD full, HDD error	
39	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, SNMP, IGMP, 802.1X, QoS, IPv6, BonjourPPPoE, NTP, UPnP™, SMTP,	
41	General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter	
42	Firmware Version	V5.5.3	

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43	API	ONVIF (PROFILE S, PROFILE G), ISAPI	
44	Simultaneous Live View	Up to 6 channels	
45	User/Host	Up to 32 users, 3 levels: Administrator, Operator and User	
48	Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500	
49	Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+	
	Interface		
50	Audio	1 built-in mic	
51	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port	
52	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB	
	General		
53	Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)	
54	Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)	
55	Power Consumption and Current	PoE: (802.3af, 36V to 57V), 0.2 A to 0.1 A, max: 6.5W, 12 VDC, 0.4 A, max. 5.0W	
56	Protection Level	IP67	
57	Material	Shell: plastic, camera body: metal	
58	Dimensions	Camera: F 114.6 × 82.1 mm (F 4.5" × 3.2")	
		With package: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")	
59	Weight	Camera: approx. 400 g (0.9 lb.)	
		With package: approx. 500 g (1.1 lb.)	
60	Certification	UL ,CE,FCC & BIS	

**Vender's signature with seal**

## APPENDIX- X

## 2 MP HD varifocal Bullet

**MAKE :**

### MODEL:

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Mini. 0.01Lux@F1.2, AGC Illumination ON, 0 Lux with IR	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:720p or higher @25fps	
10	SNR	≥52dB	
12	Sync System	Internal	
13	White Balance	Automatic	
14	Day & Night	Automatic	
15	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	IR Range	Up to 30m	
19	Lens	2.8-12mm (verifocal)	
20	WDR	120 db WDR ( DWDR not acceptable)	
21	Input Voltage	DC12V±10%	
22	IP Rating	IP67	
23	Operation Temp	0° to +50° C	
24	Storage Humidity	90% or less	

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## **APPENDIX- XI**

### MODEL :

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**APPENDIX- XII**

## 3+1 Coaxial and power cable

Coaxial Cable			Compliance Yes/No
Conductor	Material	Bare copper	
	Wire Gauge	26AWG	
	Diameter	0.41±0.01mm	
Insulation	Material	FPE	
	Diameter	2.0±0.1mm	
Tape	Material	Copper foil	
Braid	Material	Copper clad aluminum magnesium	
	Braiding Standard	5*16*0.12mm ±0.008mm	
	Braiding Density	≥80%	
Jacket	Material	PVC	
Impedance		75 ohms	
<b>Power Cable</b>			
Conductor	Material	Bare copper	
	Quantity	3	
	Diameter	11*0.16±0.008mm	
Insulation	Material	SR-PVC	
	Diameter	1.2±0.1mm	
Jacket	Material	PVC	
Make & Type	Acceptable type	ISI Marked (IS-694, 1990)	
		Make – Finolex, Polycab or similar quality.	

**(CATEGORY 6A U/UTP 4 PAIR 23 AWG LSZH)- CAT 6 CABLE**

Physical Characteristics			Compliance Yes/No
Insulation	Construction	U/UTP	
	Number of pairs	4 pair	
	AWG	23 AWG (0.57 $\pm$ 0.01mm)	
	Solid or Stranded; bare or tinned	Solid bare copper	
	Insulation Material	HDPE	

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	Number colour(stripe marking)	1. Blue, White/Blue(Stripe)	
		2. Orange, White/Orange (stripe)	
		3. Green, White/Green(stripe)	
		4. Brown, White/Brown (stripe)	
Filter	Filter Special Filler	LSZH	
	Outer Jacket material	LSZH	
Outer Jacket	Overall dimension	7.5 +/- 0.4 mm	
	Outer jacket rip cord	Yes	
	Outer jacket colour	Grey RAL 7035	
Mechanical	Operating temp. Range	-20 °C ~ +70 °C	
	Nom. Mutual capacitance	<=5.6 nF/100m @1KHz	
Electrical	Max. Capacitance unbalance	<=330 pF/100m	
	Nominal velocity of propagation	65%	
	Max. Delay skew	45 ns/100m	
Characteristics	Impedence	100±15%Ω	
	Max. Conductor resistance	93.8Ω/km (@ 20 °C)	
	Max. Conductor resistance unbalance	<=5% (@ 20 °C)	
Make & Type		Molex, TRISIM, D Link, Digisol,	

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**APPENDIX- XIII****19" / 22" / 24" HD LCD Monitor****MAKE :****MODEL :**

S.No	Category	Parameters	Specification	Compliance Yes/No	Remark
1	Monitor	Backlight	LED Backlight		
2		Screen Size	19"/22"/24"/32"		
3		Pixel Pitch	0.36375mm * 0.36375mm		
4		Max Resolution	1920 * 1080@60Hz		
5		Brightness	300 cd/m2(typ.)		
6		Contrast	1400:1 (typ.)		
7		Response Time	8 ms		
8		Color	16.7M		
9		Active Area	698.4(H)*392.85 (V) mm		
10		Viewing Angle	178°(H)/178°(V)		
11	Interface	VGA Input	1		
12		HDMI Input	1		
13		Audio Input	1		
14		RJ45(RS232)	1		
15	General	Loudspeaker	Yes		
16		VESA	75 mm × 75 mm		

**Vender's signature with seal**

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**APPENDIX- XIII (1)**

### Technical Specifications for 04 Channel NVR (Network Video recorder) with 02 SATA

S. No.	Category	Parameters	Technical Specifications	Compliances
1.	Video/Audio input	IP video input	4-Ch	
		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1KΩ)	
2.	Network	Incoming bandwidth	160 Mbps	
		Outgoing bandwidth	256 Mbps	
		Remote connection	32 or higher	
3.	Video/Audio output	Recording resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1	
		Video Compressor	Smart H.265/H.265/Smart H.264/H.264/MJPEG	
		HDMI & VGA output	HDMI 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz. VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
		Audio output	1-ch, RCA (Linear, 1kΩ)	
4.	Decoding	Capability	16-channel@1080P	
5.	Hard disk	SATA	2 SATA III ports, up to 10 TB for a single HDD	
		Capacity	Up to 10 TB for each disk	
6.	External interface	Network interface	1 RJ-45 10 /100 / 1000 Mbps self-adaptive Ethernet interface	
		USB interface	2(1 × front USB2.0; 1 × back USB2.0)	
		Alarm Interface	Alarm input – 4 / Alarm output -1	
7.	Others	Power supply	12V DC / 100~ 240 VAC	
		Consumption (without hard disk)	≤ 9.5W	
		Working temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	
		Working humidity	10 % ~ 90 %	
8.	Certification	UL, CE, FCC and BIS		

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**APPENDIX- XIII (2)****Technical Specifications for 08 Channel NVR (Network Video recorder) with 04 SATA**

S. No.	Category	Parameters	Technical Specifications	Compliances
1.	Video/Audio input	IP video input	8-Ch	
		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1KΩ)	
2.	Network	Incoming bandwidth	320 Mbps	
		Outgoing bandwidth	320 Mbps	
		Remote connection	32 or higher	
3.	Video/Audio output	Recording resolution	12MP/8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
		Video Compressor	Smart H.265/H.265/Smart H.264/H.264/MJPEG	
		HDMI & VGA output	HDMI x 2 VGA x 1	
		Audio output	1-ch, RCA (Linear, 1kΩ)	
		Capability	16CH@1080P	
4.	Hard disk	SATA	4 SATA & 1- e-SATA	
		Capacity	Up to 10 TB for each disk	
5.	External interface	Network interface	2 RJ-45 10 /100 / 1000 Mbps self-adaptive Ethernet interface	
		Alarm input/output	16/4	
		USB interface	1 × USB 3.0 / 2 × USB 2.0	
		RS 232	1	
		RS 485	1	
6.	Others	Power supply	12V DC / 100~ 240 VAC	
		Consumption (without hard disk)	≤ 10W / ≤ 20W	
		Working temperature	-10 °C ~ +55 °C (+14 °F ~ + 131 °F)	
		Working humidity	10 % ~ 90 %	
7.	Certification	UL, CE, FCC and BIS		

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**APPENDIX- XIII (2)**

### Technical Specifications for 16 Channel NVR (Network Video recorder) with 08 SATA

S. No.	Category	Parameters	Technical Specifications	Compliances
1.	Video/Audio input	IP video input	16-Ch	
		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1KΩ)	
2.	Network	Incoming bandwidth	160 Mbps	
		Outgoing bandwidth	256 Mbps	
		Remote connection	32 or higher	
3.	Video/Audio output	Recording resolution	12MP/8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
		Video Compressor	Smart H.265/H.265/Smart H.264/H.264/MJPEG	
		HDMI & VGA output	HDMI x 2 VGA x 1	
		Audio output	1-ch, RCA (Linear, 1kΩ)	
		Capability	16-ch @ 1080p	
4.	Hard disk	SATA	8 SATA	
		eSATA	1	
		Capacity	Up to 10 TB for each disk	
5.	External interface	Network interface	2 RJ-45 10 /100 / 1000 Mbps self-adaptive Ethernet interface	
		Alarm	16/4	
		USB interface	1 × USB 3.0 / 2 × USB 2.0	
		RS 232	1	
		RS 485	1	
6.	Others	Power supply	12V DC / 100~ 240 VAC	
		Consumption (without hard disk)	≤ 10W / ≤ 20W	
		Working temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	
		Working humidity	10 % ~ 90 %	

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S. No.	Item Name	Specifications
1.	Hard Disk Drive (SAT II or III)	Samsung/Sea gate/WD/Hitachi. Video Surveillance series "related for 24*7 operation 32~64 MB Cache, 3MB~6MB per second data transfer rate, spindle speed 7200RPM or more
2.	Capacity	2TB/4TB/6TB/8TB

S. No.	Features	Specifications
1.	For HD Cameras	RG-6 Co-axial cable with ISI marking
2.	For Power	2 Core/36 Power Unarmored cable with ISI marking (IS: 694)
3.	Cable Laying	In ISI marked PVC Conduit Pipes
4.	PVC conduits for cabling	IS: 9537, Internal Dia 20" + - 1mm, wall thickness 4.2~5 mm

S. No.	Item Name	Specifications
1.	Wall Mounted Casing For DVR/NVR	Sturdy Wall mounted Casing for DVR/NVR tailor-made for DVR/NVR protection with locks and proper ventilation.

S. No.	Item Name	Specifications
1.	Wall Mounted Casing For DVR/NVR	Sturdy Wall mounted Casing for DVR/NVR tailor-made for DVR/NVR protection with locks and proper ventilation.

S. No.	Features	Specifications
1.	Image sensor & Scanning System	1/2.8" CMOS Progressive
2.	Signal Format	PAL
3.	Effective Pixels	2.0MP (1920 x 1080) full HD
4.	Electronic Shutter Speed	PAL: 1/4s~1/100000s
5.	Infrared LED Coverage Range	Up to 30m
6.	Minimum Illumination (LUX)	0.005Lux/F1.6, 30IRE, 0Lux IR on
7.	Day/Night	Auto (ICR) / Manual
8.	Noise Reduction	2D/3D
9.	White Balance	Auto/Manual
10.	Gain Control	AGC
11.	Smart IR	Auto/Manual
12.	S/N Ratio	More than 65dB
13.	Lens	3.6 mm for fixed focal cameras
14.	Frame Rate	25/30fps@1080P, 25/30fps@720P

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15.	Weather proof quality for outdoor cameras	Outdoor weather proofing of IP 66 rating or more
16.	Ingress Protection	IP67
17.	Wide Dynamic Range (WDR)	True WDR with adjustable range (0 Db-120 Db) Digital WDR (DWDR) not acceptable
18.	Operating temperature	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
19.	Power Supply	12V DC ±25%
20.	Certification	FCC, CE, UL and BIS

### HD Color VF Dome Camera:

S. No.	Features	Specifications
1.	Image sensor & Scanning System	1/2.8" CMOS Progressive
2.	Signal Format	PAL
3.	Effective Pixels	2.0MP (1920 x 1080) full HD
4.	Angle of View	H: 102°~29°
5.	Electronic Shutter Speed	PAL: 1/4s~1/100000s
6.	IR on/Off Control	IR on/Off Control
7.	Infrared LED Coverage Range	Up to 30m
8.	Minimum Illumination (LUX)	0.005Lux/F1.6, 30IRE, 0Lux IR on
9.	Day/Night	Auto (ICR) / Manual
10.	Noise Reduction	2D / 3D
11.	White Balance	Auto / Manual
12.	BLC mode	BLC/HLC/WDR
13.	Gain Control	AGC
14.	Smart IR	Auto / Manual
15.	S/N Ratio	More than 65DB
16.	Lens	2.8-12 mm varifocal or better
17.	Frame Rate	25/30fps@1080P, 25/30fps@720P
18.	Ingress Protection & Vandal Resistance	IP67 & IK10
19.	Wide Dynamic Range (WDR)	True WDR with adjustable range (0 db- 120 db), Digital WDR (DWDR) not acceptable
20.	Operating temperature	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
21.	Power Supply	12V DC ±25%
22.	Certification	FCC/ CE / UL and BIS

### HD Colour VF Bullet Camera:

S. No.	Features	Specifications
1.	Image sensor & Scanning System	1/2.8" CMOS Progressive
2.	Signal Format	PAL
3.	Effective Pixels	2.0MP (1920 x 1080) full HD
4.	Angle of View	H: 102°~29°
5.	Electronic Shutter Speed	PAL: 1/4s~1/100000s
6.	IR on/Off Control	IR on/Off Control
7.	Infrared LED Coverage Range	Up to 60m
8.	Minimum Illumination (LUX)	0.005Lux/F1.6, 30IRE, 0Lux IR on
9.	Day/Night	Auto (ICR) / Manual
10.	Noise Reduction	2D / 3D
11.	White Balance	Auto / Manual
12.	Gain Control	AGC

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13.	Smart IR	Auto / Manual
14.	S/N Ratio	More than 65dB
15.	Lens	2.8-12 mm varifocal or better
16.	Frame Rate	25/30fps@1080P, 25/30fps@720P
17.	Ingress Protection	IP67
18.	Wide Dynamic Range (WDR)	True WDR with adjustable range (0-120 Db) Digital WDR (DWDR) not acceptable
19.	Operating temperature	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
20.	Power Supply	12V DC ±25%
21.	Certification	FCC, CE, UL and BIS

### IP Dome Camera:

S. No.	Features	Specifications
1.	Image sensor	1/2.8" 2Megapixel progressive scan CMOS OR BETTER
2.	Effective pixel	1920x1080
3.	RAM/ROM	256MB/32MB
4.	Electronic Shutter Speed	Auto/Manual, 1/3(4) ~1/100000s
5.	video frame rate	25/50fps @1080P mega pixel
6.	scanning system	progressive
7.	Mini. Illumination	0.007Lux/F1.6(Color,1/3s,30IRE) 0.06Lux/F1.6(Color,1/30s,30IRE) 0Lux/F1.6(IR on)
8.	S/N ratio	More than 50dB
9.	min IR LED length	30m
10.	Day/Night	Auto (ICR)/color/B/W
11.	BLC Mode	BLC / HLC / WDR (120DB)
12.	white balance	Auto/manual
13.	focal length (lens)	3.6mm
14.	Audio Compression	G.711a/ G.711Mu/ AAC/ G.726
15.	video compression	H.265+/H.265/H.264+/H.264
16.	Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ /CIF (352x288/352x240)
17.	frame rate (Dual stream)	Main Stream: 1080P(1~25/30fps), Sub Stream: 704 × 576 (1 fps-25fps) 704 × 480 (1 fps-30fps)
18.	Streaming Capability	Dual Streams
19.	Bit rate	H.264: 32 Kbps~6144 Kbps H.265: 12 Kbps~6144 Kbps
20.	Bit Rate Control	CBR/VBR
21.	Network Ethernet	RJ-45(10/100Base-T)
22.	Protocal	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
23.	Region of Interest	Off / On (4 Zone)
24.	Intelligence function	Motion detection, Tripwire, Intrusion
25.	Max. User Access	10 Users /20 Users
26.	compatibility	ONVIF V2.4
27.	power supply	DC12V, POE (802.3af)
28.	working environment	-30 °C ~+60 °C less than 95% RH(Non-condensing)
29.	ingress protection	IP67 and IK10

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30.	certification	CE/ FCC/ UL and BIS
31.	memory card	256GB microSD card

**2MP IP Varifocal Lens IR Bullet camera:**

Sr No.	Camera	
1	Image Sensor	1/2.8" CMOS
2	Min. Illumination	0.002 Lux@F1.6
3	Shutter Speed	Auto/Manual 1/3 s–1/100000 s
4	Day & Night	IR cut filter
5	Digital Noise Reduction	3D DNR
6	WDR	True WDR 120dB
7	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°
	Lens	
8	Focal length	2.7 mm–13.5 mm
9	Aperture	F1.6
10	Focus	Motorized Lens
11	FOV	Pan: 109°–28° Tilt: 57°–16° Diagonal: 131°–33°
12	Lens Mount	Φ14
	IR	
13	IR Range	60 meters
	Compression Standard	
14	Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
15	Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
16	Smart Codec	Smart H.265+ / Smart H.264+
17	Bit Rate Control	CBR/VBR
	Smart Feature-set	
18	Region of Interest	Yes (4 areas)
19	Mirror	Support
20	Privacy Masking	4 Areas
21	Motion Detection	OFF/ON (4 areas, rectangular)
22	General IVS Analytics	Intrusion; tripwire
	Image	
23	Max. Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
24	Main Stream Max. Frame Rate	Main Stream: 1920 × 1080 (1 fps-25/30 fps)

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25	Sub-stream Max. Frame Rate	Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
26	Image Enhancement	BLC, HLC, 3D DNR
27	Image Setting	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
28	Day/Night Switch	Auto, scheduled
29	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
30	Gain Control	Manual/Auto
31	Smart IR	Yes
32	Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
33	Stream Capability	2 Streams
	Network	
34	Edge Storage	FTP; Micro SD card (support max. 256 GB), NAS
35	Alarm Trigger	no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, Motion detection, video tampering, security exception
36	Protocols	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
37	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
38	API and SDK	Support
39	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
40	Simultaneous Live View	Up to 6 channels
42	User/Host	3 levels: Administrator, Operator and User
43	Web Browser	IE, Chrome, Firefox
	Interface	
44	Communication Interface	RJ-45 (10/100 Base-T)
45	Alarm input	1 input
46	Alarm output	1 output
47	Audio input	1 RCA input
48	Audio output	1 RCA output
	General	
49	Operating Conditions	-30°C to +60°C (-22°F to +140°F1) /less than ≤ 95% RH
50	Power Supply	12V DC/PoE (802.3af))

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51	Power Consumption and Current	< 9.6W
52	Protection Level	IP67; IK10(optional)
		Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range)
53	Material	Metal & Plastic
54	Certifications	UL, CE, FCC, and BIS

### 2MP IP vary-focal Lens IR Dome camera:

Sr No.	Camera	
1	Image Sensor	1/2.8" CMOS
2	Min. Illumination	0.002 Lux@F1.6 (Color, 30 IRE) 0.0002 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator on)
3	Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
4	Day &Night	IR cut filter
5	Digital Noise Reduction	3D DNR
6	WDR	True WDR 120dB
7	Angle Adjustment	Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°
	Lens	
8	Focal length	2.8 to 12 mm
9	Aperture	F1.7
10	Focus	Motorized Lens
11	FOV	Horizontal: 108°–30° Vertical: 56°–17° Diagonal: 131°–35°"
12	Lens Mount	Φ14
	IR	
13	IR Range	40 meters
	Compression Standard	
14.	Video Compression	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)
15.	Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
16.	Smart Codec	Smart H.265+; Smart H.264+
	Smart Feature-set	
17	Region of Interest	Yes (4 areas)
18	Mirror	Support
19	Privacy Masking	4 Areas
20	Motion Detection	OFF/ON (4 areas, rectangular)
21	General IVS Analytics	Intrusion; tripwire

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	Image	
22	Max. Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
23	Main Stream Max. Frame Rate	1920 × 1080 (1 fps–25/30 fps)
24	Sub-stream Max. Frame Rate	704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
25	Image Enhancement	BLC, 3D DNR, HLC
26	Image Setting	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
27	Day/Night Switch	Auto, scheduled
28	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
29	Gain Control	Manual/Auto
30	Smart IR	Yes
31	Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
32	Stream Capability	2 Streams
	Network	
33	Edge Storage	FTP; Micro SD card (support max. 256 GB), NAS
34	Alarm Trigger	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, Motion detection, video tampering, security exception
35	Protocols	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS, Bonjour
36	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
37	API and SDK	Support
38	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
39	Simultaneous Live View	Up to 6 channels
40	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
41	User/Host	3 levels: Administrator, Operator and User
42	Web Browser	IE, Chrome, Firefox
	Interface	
43	Communication Interface	RJ-45 (10/100 Base-T)
44	Alarm input	1 input

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45	Alarm output	1 output
46	Audio input	1 RCA input
47	Audio output	1 RCA output
	General	
48	Operating Conditions	-30°C to +60°C (-22°F to +140°F)
49	Power Supply	12V DC/POE
50	Power Consumption and Current	Basic power consumption: 1.9W (12V DC), 2.8W (POE) Max power consumption (H.265, Max resolution, Max stream, WDR, IR full intensity, IVS): 8W (12V DC), 9.6W (POE)
51	Protection Level	IP67; IK10
		Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range)
52	Certifications	UL, CE, FCC, & BIS

### Pin Hole Camera:

S. No.	Features	Specifications
1.	Image sensor	1/2.8" CMOS
2.	Signal Format	PAL
3.	Effective Pixels	1920(H)×1080(V), 2MP
4.	Electronic Shutter Speed	PAL: 1/4s~1/100,000s
5.	Minimum Illumination (LUX)	0.05Lux/F2.4 (Color), 0.005Lux/F2.4 (B/W), 30IRE
6.	Frame Rate	25/30fps@1080P, 25/30fps@720P
7.	Day/Night	Auto (Electronic) / Manual
8.	S/N Ratio	More than 65dB
9.	Lens	3.6mm or 2.8mm fixed focal cameras
10.	Wide Dynamic Range (WDR)	120dB
11.	BLC Mode	BLC / HLC / WDR
12.	Operating temperature	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
13.	Certification	FCC, CE and UL
14.	Power Supply	12V DC ±25%

## ANNEXURE-A1 (Technical Bid for EAS)

Submission of technical bids for installation & maintenance of Alarm system in branches under UCO Bank Mumbai Zone.

Name of the Vendor

Name of the Vendor			
SN	Description of the Item	Make & Model No	Remarks
1	Main control Panel with in built GSM based speech and SMS dial up as per basic specification (minimum 04 Zone inbuilt fire zone )		
2	IP based main control panel with TCP/IP communicator (8 Zone)		
3	GSM Auto-dialer		

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4	Vibration Sensor		
5	Shutter sensor (metal)		
6	Smoke Sensor		
7	Tilt Sensor		
8	Heat Sensor		
9	Dual tech PIR Sensor (resistance minimum 25 KG)		
10	Panic Switch		
11	Hooter / sounder 4 wire		
12	Rechargeable Battery 12 volt, 7AH		
13	Magnetic Sensor		
14	.5 sqmm 4 core wire (per meters)(Polycab / Finolex)		
15	1 sqmm 2 core wire (per meters)(Polycab / Finolex)		
16	PVC Conduit (ISI) mark (per metres)		
17	Fire PCB for Smoke Sensors		
18	New Installation charges (per site)		
19	Reinstallation Charges (whole system)		
20	Annual AMC Charges for Alarm System Module (unlimited visit per annum)		
21	GSM SIM for autodialer & its maintenance charges per year (at actual rate)		
22	Buy back for old Alarm system		

Signature of authorised person of vendor/  
Name of the Vendor

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उत्तम सुरक्षा, सुरक्षा विभाग - 400001.

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Note: This letter of authority should be on the letter head of OEM/Distributor and should be Signed by a competent authority of the agency.

Date:

Place:

## OEM Criteria

1. All products quoted and supplied to UCO Bank should be manufactured in India by the OEM directly not by third party and not from any other country. - document with local BIS to be presented, and OEM name or India company name and India factory address registered in name of OEM to be presented as proof.
2. OEM should have a registered office in India and local service center in Mumbai from last 10 years atleast.
3. Product quoted should be UL, CE, FCC, Local BIS certified and product wise certificate to be provided by OEM and FIPS certified, Cyber essential and GDPR document to be provided.
4. Organization needs to be ISO 9001, 27001, 14001, 45001 certified for environment and cyber security reasons.
5. OEM needs to have local service team with local branch and service center so that bank can call anytime OEM for audit - OEM service center details required.
6. OEM should have 500+ employees directly in thier payroll. - Document proof to be provided.
7. OEM should be directly present in the state and not via any system integrator who is empanelled with the bank. OEM Documents for local presence to be submitted independently.

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10. OEM to be registered with government body under National skill development or Manufacturing license of India in name of OEM so that bank can give preference to brands that are being manufactured in India.

# Draft Agreement

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1. The Successful Bidder will be engaged for 'Empanelment of Vendors for supply installation and Comprehensive Annual Maintenance Contract thereof for CCTV & EAS system in Branches' under Mumbai Zonal Office.
2. The work is to be done in consultation with Security Department., UCO Bank, Zonal Office, Mumbai.
3. The Successful Bidder will have to carry out the work without making hindrances to other agencies, whose works are likely to be carried out simultaneously at the same site during working period.
4. The Successful Bidder will take all measure on the site of the work to protect the public as well as workmen from accidents and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any persons for injury sustained owing to neglect of the above precautions from their end and to pay compensation to any such persons as per law.
5. The Successful Bidder will have to ensure and confirm that all items, parts of CCTV & EAS system are to be used as per specifications given in RFP. No any changes will be allowed in specifications given by Bank.
6. No space will be provided for site office, labour camps, storage etc.
7. All Terms & Conditions will remain same as per RFP No.....dated.....and letter no.....
8. **Date of Commencement:** The work shall be deemed to be commenced from **Seventh day** from the date of receipt of work order or handing over of site which ever is later. The work should be started in consultation with respective Zonal Offices. However, the bidder should take possession of work site within fifteen days from the receipt of the work order.
9. **Time of Completion :** It will decided by the Bank.
- 10 **ORDER CANCELLATION/TERMINATION:** The Bank reserves its right to cancel the entire / unexecuted part of Purchase Order at any time by assigning appropriate reasons in the event of one or more of the following conditions treating it as default / non performance of the contract **by giving 7 days written notice :**
  - a. Fails to accept the purchase order within the specified time .
  - b. Delay in execution of work beyond the specified period.
  - c. Partial execution of job.
  - d. Serious discrepancies noted in the items delivered.
  - e. Breaches in the terms and conditions of the Order
  - f)Bank s hall have the right to terminate the contract at any time at its own convenience by serving a prior written notice of 7 days to the successful bidder without assigning any reason and without cost or compensation terefor.
- 10.A ) **CONSEQUENCES OF TERMINATION:** The Bank at its sole discretion shall invoke the Performance Guarantee, and the Indemnity furnished towards non performance/non Compliance of the terms and conditions of the work order/contract by the Contractor/Vendor, without prejudice to its rights and conditions available under the Law for the time being in force.
11. **Terms of Payment : Bank will not pay any advance.**
  - a. Payment will be made by after completion of work.
  - b.No payment will be made till execution of Agreement with Zonal Office, Mumbai.
  - c. No payment will be made towards expenses related to transportation, accommodation, food, site office, labour camps, storage etc.
12. **INTEGRITY Pact :** .....agrees to execute Intrigity Pact as per Bank's format as per Annexure-XVII on Non-juditial Stamp Paper of appropriate value with Zonal Office, Mumbai.
13. **INDEMNITY:** .....agrees to submit Indemnity Bond as per Bank's format as per Annexure-XVIII on Non-juditial Stamp Paper of appropriate value with Zonal Office, Mumbai.
14. **Non-Discouser :** The successful bidder must undertake that they shall hold in trust any information received by them, under the Contract/Agreement, and the stickiest of confidence shall be maintained in respect of such information.



**15. Non Assignment:** Successful bidder, shall agreed to neither the subject matter of the agreement nor any right here in shall be transferred,sub-contracted,assigned or delegated to any third party by the successful bidder without prior written consent of the Bank.

In witness where of the Employer and the vendor have set their respective hands on the day and year first herein above written.

Signature on behalf of the UCO Bank  
By its duly authorized Officer

Signature on behalf of the Vendor  
By its duly authorized Officer

In presence of:

1) Signature.....

1)Signature.....

Name with address:

Name with address:

2) Signature.....

2) Signature.....

Name with address

Name with address:

**ANNEXURE-XVII**

### FORMAT OF INTEGRITY

**UCO Bank**, a body corporate, constituted under the Banking Companies (Acquisition & Transfer of Undertakings) Act, 1970 as amended from time to time having its Head Office at No.10, BTM Sarani, Kolkata-700001 and its General Administration Department at 1A, Russel Street Kolkata - 700071, hereinafter referred to as “UCO **Bank**” (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its assigns, administrators and successors) of the **“ONE PART**

And

..... Hereinafter referred to as "The Bidder/Contractor".

## Preamble

The UCO **Bank** intends to award, under laid down organizational procedures, contract/s for.....The Bank values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder (s) and / or contractor (s).

In order to achieve these goals, the Bank will appoint an independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

## Section 1 – Commitments of the Bank.

1.The Bank commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

a. No employee of the Bank, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b. The Bank will during the tender process treat all Bidder(s) with equity and reason. The Bank will in particular, before and during the tender process, provide to all Bidders (s) the same information and will not provide to any Bidders (s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the process or the contract execution.

c. The Bank will exclude from the process all known prejudiced persons.

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2. If the Bank obtains information on the conduct of any of its employees which is criminal offence under the IPC/PC Act, or it/if there be a substantive suspicion in this regard, the Bank will inform the Chief Vigilance Office and in addition can initiate disciplinary actions.

## Sections 2 – Commitments of the Bidder (s)/Contractor(s)

1.The bidder(s) /contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a. The Bidder(s) contractor(s) will not directly or through any other persons or firm, offer promise or give to any of the Bank's employees involved in the tender process of the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to in order to obtain in exchange any advantage or during the execution of the contract.

b. The Bidder(s) /Contractor(s) will not enter with other Bidders into any undisclosed agreement of understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act, further the Bidder(s) / contractors will not use improperly for purposes of the competition or personal gain, or pass on to others, any information or document provided by the Bank as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s) / Contractor (s) of foreign origin shall disclose the name and address of the Agent/representatives in India, if any. Similarly the bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign Banks, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only.

e. The Bidder(s)/Contractor(s) will when presenting his bid, disclose any and all payments he has made or is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2. The Bidder (s) /Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3: Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before award or during execution has committed transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Bank is entitled to disqualify the Bidder (s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings". Copy of the "Guidelines on Banning of business dealings" is annexed and marked as Annex-B".

## Section 4 : Compensation for Damages

1. If the Bank has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Bank is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.

2. If the Bank has terminated the contract according to Section 3, or if the Bank is entitled to terminate the contract according to Section 3, the Bank shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value of the amount equivalent to Performance Bank Guarantee.

## Section 5 : Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the anti corruption approach or with any other public sector enterprise in India that could justify his exclusion from the tender process.

2. If the bidder makes incorrect statement on this subject he can be disqualified from the tender process and action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

## Section 6 : Equal treatment of all Bidders/Contractors/subcontractors.

1. The Bidder (s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Bank before contract signing.
2. The Bank will enter into agreements with identical conditions as this one with all bidders, contractors and subcontractors.
3. The Bank will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 : Criminal charges against violation Bidder(s)/Contractor(s)/Sub contractor(s).

If the Bank obtains knowledge of conduct of a Bidder, Contractor or subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Bank has substantive suspicion in this regard, the Bank will inform the same to the Chief Vigilance Officer.

## Section 8 : Independent External Monitor/Monitors

1. The Bank appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairman & Managing Director, UCO Bank.
3. The Bidder(s)/Contractor (S) accepts that the Monitor has the right to access without restriction to all project documentation of the Bank including that provided by the Contractor.

The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder (s)/Contractor(s)/Subcontractor(s) with confidentiality.

4. The Bank will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Bank and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement he will so inform the Management of the Bank and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act, in a specific manner refrain from action or tolerate action.
6. The Monitor will submit a written report to the Chairman & Managing Director, UCO Bank within 8 to 10 weeks from the date of reference or intimation to him by the Bank and should be occasion arise, submit proposals for correction of problematic situations.
7. Monitor shall be entitled to compensation on the same terms as being extended to / provided to Independent Directors on the UCO Bank.
8. If the Monitor has reported to the Chairman & Managing Director, UCO Bank a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman &

Managing Director, UCO Bank has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

9. The word "Monitor" would include both singular and plural.

## Section 9 – Pact Duration.

This pact begins when both parties have legally signed it, if expires for the contractor 10 months after the last payment under the contract, and for all other Bidders & Months --- the contract has been awarded.

If any claim is made lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman and Managing Director, UCO Bank.

## Section 10 – Other provisions

- This agreement is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Bank i.e. ....
- Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- If the Contractor is partnership or a consortium, this agreement must be signed by all partners or consortium members.
- Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & on behalf of the Bank)  
(Office Seal)

Place \_\_\_\_\_  
Date \_\_\_\_\_

Witness : (Name & Address)

(For & On behalf of Bidder/Contractor)  
(Office Seal)

Place \_\_\_\_\_  
Date \_\_\_\_\_

Witness : (Name & Address)

KNOW all men by these presents that I/We, Shri/Smt....., son/daughter/wife of Shri....., residing at ....., as Proprietor/Partner/Director of ....., having office at ....., a contractor/Vendor and have submitted an offer in response to Tender Notice No. .... dated ..... being the indemnifier do hereby execute indemnity bond in favour of UCO Bank having their Head Office at 10, B.T.M Sarani, Kolkata-700 001 and having Zonal Office, at ..... on this--- day of -----, 2021.,

WHEREAS the Bank invited tenders for .....AND WHEREAS  
.....submitted tenders amongst others for the said work.

AND WHEREAS the Bank after observing all formalities in the matter, accepted the tender submitted by .....and informed them by its letter dated .....AND WHEREAS pursuant to acceptance of the tender given by the said Contractor, the Bank and the said Contractor have entered into an Agreement on.....for.....

AND WHEREAS it is one of the terms of the said Tender-Contract that the Contractor shall give an indemnity in the manner hereinafter appearing.

NOW THIS BOND OF INDEMNITY WITNESSTH AS FOLLOWS:

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Zonal Office, Security Department, UCO Bank Building, 1<sup>st</sup> Floor, # 359, Dr Dadabhai Naoroji Road, Mumbai – 400001  
 ☐☐☐☐☐☐ ☐☐. Tel. No.: 022-40544333 ☐-☐☐☐ E-mail:- [zomumbai.sec@ucobank.co.in](mailto:zomumbai.sec@ucobank.co.in)

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**LinkedIn:**[UCO BANK](#): **You Tube:**[UCO Bank Official](#)

In consideration of the Bank having agreed to award the aforesaid contract to us more particularly described and stated in the aforesaid Agreement dated ----- and the related tender documents, we do hereby agree and undertake that we, being the indemnifier shall, at the time hereinafter save and keep the bank harmless and indemnified including its respective Directors, officers and employees and keep them indemnified from and against

1. Any third party claims, civil or criminal complaints/ liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work, negligence, and/or for violating any law, rules and regulations in force, for the time being while executing civil work by me/us.
2. Any damages, loss or expenses due to/resulting from any negligence or breach of duty on the part of me/us or any sub-contractor/s if any, servants or agents.
3. Any claim by an employee of mine/ours or of sub-contractors if any, under the Workmen Compensation Act and Employer Liability Act or any other law, rules and regulations in force for the time being and any acts replacing and/or amendments thereof as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of execution of the contract work and/or arising out of and in course of employment of any workmen/employee.
4. Any act or omission of mine/ours or sub-contractors if any, ours/theirs servants or agents which may involve any loss, damage, liability, civil or criminal action.
5. We further agree and undertake that we shall during the contract period, ensure that all permissions, authorisations, consents are obtained from the local and or municipal and//or governmental authorities, as may be required under the applicable laws, regulations, guidelines, notifications, orders framed or issued by any appropriate authorities.
6. If any, additional approval, consent or permission is required by us to execute and perform the contract during the currency of the contract, we shall procure the same and/or comply with the conditions stipulated by the concerned authorities without any delay.
7. Our obligations herein are irrevocable, absolute and unconditional in each case irrespective of the value, genuineness, validity, regularity or enforceability of the aforesaid agreement or the insolvency, bankruptcy, re-organisation, dissolution, liquidation or change in ownership of the bank or indemnifier.
8. Our obligation under this bond shall not be affected by any act, omission, matter or thing which would reduce, release us from any of the indemnified obligation under this indemnity or diminish the indemnified obligations in whole or in part, including in law, equity or contract (whether or not known to it, or to the bank).

9. This indemnity shall be governed by and construed in accordance with the laws of India. We irrevocably agree that any legal action suit or proceedings arising out of or relating to its indemnity may be brought in the Courts, Tribunals at -----, Final judgment against us in any such action, suit or proceedings shall be conclusive and may be enforced in any other jurisdiction by way of suit on the judgment/decree, a certified copy of which shall be conclusive evidence of the judgment/decree, or in any other manner provided by law. By the execution of this indemnity, we irrevocably submit to the exclusive jurisdiction of such Court/Tribunal in any such action suit or proceeding.

IN WITNESS WHEREOF

----- (Name of Contractor) has set his/their hands

on this ----day of -----, 2022

SIGNED AND DELIVERED BY THE AFORESAID----- (Name of Authorised person)

IN THE PRESENCE OF WITNESS

## CERTIFICATE OF PERFORMANCE

(To be obtained from client (s) on their letter head in respect of each of the work order/ contract)

Name and Address of Client:-

Name of the vendor:-

SN	PERFORMANCE EVALUATION	RESPONSE TO BE FILLED BY CLIENT		
1	Work executed by above vendor is related to	Alarm system	CCTV System	
2	Nature of work	New Installation	AMC	Both
3	Please mention reference letter no./ Work order/ contract no.			
4	Period of contract/ Actual Period of Services rendered.			
5	In how many locations/ branches/ offices work executed/ AMC provided.			
6	PARAMETERS	TICK THE APROPRIATE		
A	Whether the equipments installed matches with the specifications offered by the client. ( Yes/ No)	Yes		No
B	Average time taken by the vendor in defect rectification after reporting of defect. (in number of days)	Less than 4	4 to 7	more than 7

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Zonal Office, Security Department, UCO Bank Building, 1<sup>st</sup> Floor, # 359, Dr Dadabhai Naoroji Road, Mumbai – 400001

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E-mail:- [zombaj.sec@ucobank.co.in](mailto:zombaj.sec@ucobank.co.in)

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**LinkedIn:** [UCO BANK](#): **You Tube:** [UCO Bank Official](#)



C	Average time taken for installation of new equipment. ( in number of days).	Less than 7	8 to 15	More than 15
D	Quality of Work	Good	Satisfactory	Unsatisfactory
E	Capabilities of the vendor	Good	Satisfactory	Unsatisfactory
F	Technical Proficiency	Good	Satisfactory	Unsatisfactory
G	Financial Soundness	Good	Satisfactory	Unsatisfactory
H	Mobilization of Manpower	Good	Satisfactory	Unsatisfactory
I	Quality of products installed	Good	Satisfactory	Unsatisfactory
7	If any penalty imposed on vendor ( Yes/ No)	Yes		No
8	If 'Yes' at above, then mention the number of instance(s) of imposition of penalty during the currency of contract / work.	Less than 3	Three	More than 3
9	Did the vendor go for Arbitration/ court case in case of any dispute in connection with the referred contract?	Yes		No

Any other worth mention point client like to highlight on evaluation of performance of vendor.	Yes	No
--	-----	----

Provide separate performance certificate against each work order/ contract submitted with eligibility bid, without submission of above duly filled format respective work order would not be considered for evaluation of eligibility of vendor.

Bank can confirm the legitimacy of this performance certificate from issuing office through own sources.

Signature of Reporting Officer\* with Office Seal

### Details of Officer

Name:

Designation:

Contact No:

Email Id:

\*Reporting Officer should be In-charge looking after physical security measures of the institution, preferably Security Officer.

