

REQUEST FOR PROPOSAL (RFP)

FOR

Empanelment of vendors for Supply, Installation, and Annual Maintenance contract of Standalone Digital Video Recorder (SDVR) Based Close Circuit Tele Vision (CCTV) System

The information provided by the vendors in response to this Request for Proposal (RFP) will become the property of the Bank and will not be returned. The Bank reserves the right to amend, rescind or reissue this RFP. The Bank also reserves its right to accept or reject any or all the responses to this RFP without assigning any reason whatsoever without cost or compensation therefor. The Bank will evaluate the proposals by following such methods, criteria and rationale which, in its opinion, are the best in the interest of Bank.

DISCLAIMER

While the document has been prepared in good faith, no representation or expressed or implied, is or will be made, and no responsibility or liability will be accepted by UCO Bank or any of its employees, in relation to the accuracy or completeness of this document and any liability thereof expressly disclaimed. The RFP is not an offer by UCO Bank, but an invitation for vendor's response. No contractual obligation on behalf of UCO Bank, whatsoever, shall arise from the offer process unless and until a formal contract is signed and executed by duly authorized officials of UCO Bank and the Vendor.

REQUEST FOR PROPOSAL FOR

Empanelment of vendors for Supply, Installation, and Maintenance of Standalone Digital Video Recorder (SDVR) Based Close Circuit Tele Vision (CCTV) System

UCO Bank, Zonal Office, Police Line Chhak , O.T.Road,Balasore-756001 (Odisha), invites Request for Proposal (RFP) and request for Quote (RFQ) for Supply, Installation, and Maintenance of Standalone Digital Video Recorder (SDVR) Based Close Circuit Tele Vision (CCTV) System.

The RFP details are furnished as under:

RFP Details are :

Date of issue of RFP	12.05.2022
Last Date, Time and Place for submission of Bid	04.06.2022, up to 1700 hours at UCO Bank, Zonal Office, Police Line Chhak , O.T.Road,Balasore-756001 (Odisha),
Date, Time & Venue of Bid opening for Preliminary Scrutiny of commercial RFP	shall be intimated through letter/e-mail
Address for communication/Query	As above,
Contact No	Chief Manager (Security) - 9437322335/8249075771

- Note:
1. In case the specified date of submission and opening of Bids is declared a holiday in Odisha, the RFPs will be received till the specified time on next working day
 2. Bids will be opened in presence of the vendors' representative(s) who choose to attend the RFP opening process. A maximum of two authorized representatives of the Vendor will only be allowed at the time of opening of the RFPs.

ELIGIBILITY CRITERIA FOR VENDORS FOR INSTALLATION OF CLOSE CIRCUIT TELEVISION (CCTV) SYSTEM

1. The Vendor should be a profitable registered company / firm having experience in supply, installation & maintenance of CCTV Systems for at least last 3 years. Audited Balance sheet for last 3 years to be submitted.
 2. The annual turnover of the company must not be less than Rs. 50 Lacs per annum, during last three financial years (Enclose financial statement).
 3. The Vendor must have executed order for the installation of CCTV Systems, in Central / State Government Department or R.B.I./Scheduled Commercial Banks in Odisha /as well as in India during the last three years. An authenticated / verified copy of the Purchase Order and Completion Certificate(s) should be submitted with the technical details.
 4. The Vendor should enclose Manufacturers' Authorization Letter / Dealership Certificate from the Origin Equipment Manufacturer (OEM) for the relevant SDVR and Camera along with the Technical specification.
 5. The vendor should have installed Standalone Digital Video Recorder (SDVR) based CCTV systems in Scheduled Commercial Banks in the state of Odisha /as well as in India (during the last three years). Vendor should have local Office and service center in **Odisha** as on 31.03.2022, preferably at **Balasore, Odisha** should have adequate technician to attend and repair the complaint and breakdown within 24 Hours under **Balasore Zone**. (Mention the number of service centers and employees held).
- Attach supporting documents i.e. Purchase Orders and completion certificate(s) to substantiate installation thereof with the technical specification.
6. The Vendor should have a back-to-back support from the OEM of the Standalone Digital Video Recorder & Camera. The Vendor should be equipped with "After Sales Service Centers" (SSC) at major cities in India, with requisite spare parts etc. Attach the Undertaking of the OEM and List of SSCs. The selected Vendor shall have to cater AMC (comprehensive) contract for 3 years for the whole new installed system including SDVR & Cameras all spare parts(hardware & software).
 7. The Vendor should submit Earnest Money of **Rs 10,000/-** in the form of Pay order/Draft favoring UCO Bank,Zonal Office, Balasore and payable at Balasore at the time of submission of bid offers.

8. RFP documents can be obtained by the Vendor from **12.05.2022 to 04.06.2022** against a payment of Rs 500/- in the form of a demand draft issued by any scheduled commercial bank in India drawn in favor of 'UCO Bank, Zonal Office, Balasore and payable at **Balasore**. RFP forms can be downloaded from the website at www.ucobank.com In case of downloaded documents, the fee of Rs 500/- will have to be paid at the time of submission of the Bid.
9. Pre- bid meeting in respect of the RFP, will be held in Zonal office (Security department) as well as query of RFP & RFQ over phone . No separate communication will be sent for this meeting. All communications regarding points required for clarifications/discussion through person /contact Chief Manager(Security) on his mobile number 9437322335/8249075771 on working days between 11 AM to 5 PM.
10. The Vendor is advised to submit the Bid strictly in accordance with the terms and conditions of RFP and adhering to the Technical Specifications contained in the RFP documents, and not to stipulate any deviations. Bid containing deviation from the terms and conditions is liable to be rejected.
11. Bid submitted by firms who do not fulfill eligibility criterion will not be considered for acceptance. UCO Bank reserves the right to accept or reject in full or in part any or all Bid/offer without assigning any reason and without any cost or compensation therefor and any decision of UCO Bank in this regard shall be final, conclusive and binding on the offerors.
12. **Last date of submission of Bid is by 1700 hours on 04.06.2022 and Date and time of opening of bid shall be intimated separately through letter/e-mail.**
13. The vendors who are willing for rate contract of CCTV and its components, should only participate. Modalities for which will be communicated after the empanelment process of vendors is completed.
14. Vendor should be capable to undertake the AMC of existing CCTV systems also.

Terms and Conditions of the Request for Proposal (RFP)

1. Introduction :

UCO BANK, a body Corporate, established under The Banking Companies (Acquisition and Transfer of Undertakings) Act 1970, having its Head Office at 10, B.T.M. Sarani, Kolkata- 700001, India, hereinafter called "The Bank", is one of the leading public sector Banks in India spread all over the country.

UCO BANK is pleased to invite proposal for supply, installation and Maintenance of standalone Digital Video Recorder (SDVR) Based Close Circuit Tele Vision (CCTV) System from the prospective bidders having proven past experience and competence in the field and offering services to various banks at different locations in India.

2. Scope of Work:

1. The selected vendor will supply, install and maintain the Standalone DVR based CCTV with Technical Specifications provided in the RFP DOCUMENTS in **Balasore** zone and other locations specified by Bank.

2. CCTV System with 4CH, 8CH, 16 CH & 32 channel stand alone DVR & 4 Ch ATM DVR

3. Complete maintenance of the systems during warranty period and comprehensive AMC for 3 years /Non comprehensive AMC thereafter.

The Vendor should indicate the Technical Specifications in his RFP, the following particulars in addition to those called for in the System requirement and:

i) Complete description of the working of the System/sub systems.

ii) Requirement of equipment-wise electric power consumption.

iii) Required environmental conditions for safe operation/storage.

The scope of work shall include, supply, installation including testing and handing over of the equipment supplied as per Technical Specifications at the Bank's office buildings and at the locations specified by the Bank.

The Vendor shall carefully check the specifications and shall satisfy himself that the equipment offered is suitable as per the enclosed Technical Specifications and shall take full responsibility for the efficient operation and guarantee of the specified output of the equipment offered.

3. Two Bid system:

- UCO Bank would follow Two Bid system i.e. Request for Proposal (RFP) – containing Technical information and Request for Quote (RFQ) – containing commercial information (Financial Bid). Technical phase would be completed first. Thereafter, Commercial Information (RFQ) would be opened only from short-listed Vendors who qualify in Preliminary Scrutiny and Technical Evaluation stage.
- Duly authorized representatives of Principals in India can only purchase the RFP documents on behalf of their principals on production of a letter of authorization from their principals. Two Bids shall be submitted, either by the Principal or by the duly authorized representative .
- RFP & RFQ documents can be purchased from UCO Bank, Zonal office (Security Department) between 1100 hrs and 1700 hrs IST (Monday to Friday) between **12.05.2022 and 04.06.2022**, on payment of Rs 500/- per set towards the cost of RFP documents, which is non-refundable, by means of Demand Draft issued by any scheduled commercial bank in India favoring UCO Bank, Zonal Office, Balasore payable at Balasore.
- The RFP & RFQ document can also be downloaded from the UCO Bank website at www.ucobank.com In case of downloaded forms, the fee of Rs 500/- per set will be paid by means of Demand Draft/ Pay order issued by any scheduled bank in India **favoring UCO Bank, Zonal Office, Balasore payable at Balasore** at the time of submission of RFP & RFQ.
- The vendors are advised to examine all instructions, terms and conditions and technical specifications carefully and furnish the required information unambiguously. Any offer not submitted in the prescribed formats or with incomplete details is liable for rejection. UCO Bank is not responsible for non-receipt of offers within the specified date and time due to any reason including postal holidays or delay.
- The Bank expects the Vendor to carefully examine all instructions, forms, terms & conditions, technical specifications etc., mentioned in this tender document. Failure to furnish all information required for submission of a RFP not substantially responsive to the tender document in every respect will be at the Vendor's risk and may result in the rejection of its RFP without any further reference to Vendor.
- At any time, prior to cut off date for submission of Bid/Offer, UCO Bank may modify any of the terms & conditions and technical specifications at its sole discretion and the same will be communicated by website posting and the amendments shall be binding on them. In case of any amendment, UCO Bank may extend the cut off date for submission of Bid/Offer in order to provide a reasonable time to prospective vendors.

The Bid/Offer should be complete in all respect and must contain all information as asked for, except prices. The technical information should include all components as asked for. The Vendors should sign all the pages of the Bid documents by an authorized representative of the Vendor. The suggested format for submission of Bid is as follows:

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाइन छक, ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak, O.T.Road, Balasore, District : Balasore, Pin-756001
दूरभाष Telephone: 06782 240111, 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

UCO Bank GST No for Odisha - 21AAACU3561B27Z

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4. Submission of Bid- (PART-A - TECHNICAL BID & PART- B - FINANCIAL BID)

ENVELOP-1:- PART- A -TECHNICAL RFP- (Technical Eligibility criteria):- The Envelop-1 should contain the following documents: -

- (a) **Annexure X1 to X5.**-Letters of Vendor for submission of BID
- (b) **Appendix-‘A’-** Vendor's General Information (Must attach supporting documents i.e. Purchase Order(s), Completion certificate(s) to substantiate claim(s) for each clause and item with the Technical RFP
- (c) **Appendix - B** -Technical compliance sheet for 4 CH, 8 CH,16 Ch & 32 Channel Standalone DVR as well as ATM DVR.(YES/NO)
- (d) **Appendix-‘C1’to‘C-8’:-**Technical Compliance Sheet for Camera / Monitor / Accessories (Attach supporting documents to substantiate claim(s) with the technical RFP).
- (e) **Appendix-‘D’-** All requisite enclosures as mentioned in ‘Other Mandatory Requirements’ (Attach requisite documents by marking as indicated).
- (f) **Appendix –‘E’ ‘F’ ‘G’-** duly signed in each page as a token of acceptance.
- (g) **EMD for Rs 10,000.00 & RFP document charges Rs 500.00 , favoring UCO Bank, Zonal Office , Balasore payable at Balasore**

ENVELOP-2 :-PART -B- COMMERCIAL RFQ -(FINANCIAL BID)

Appendix- H :- (Net rates + GST (inclusive of installation charges) as per

Rates have to be quoted in figures as well words, in the space provided and in case of discrepancies between the prices written in words and figures, the price written in words shall be considered correct.)

The Vendor shall submit their offers strictly in accordance with the terms and conditions of the tender Documents. Any tender that stipulates conditions contrary to the conditions given in the tender document shall be liable for rejection.

Applications should be sent to the undersigned in an **large envelop** super scribed as **“TENDER FOR EMPANELMENT OF SDVR BASED CCTV SYSTEM”** containing **two sealed envelopes** super scribed as **PART-A & PART-B** as per the detailed instructions mentioned in “Instruction to Vendors” with vendors complete address and contact number and to be addressed to Zonal Manager and to reach on or before **17.00 hrs on 04th JUNE 2022.**

**Zonal Manager,
UCO Bank, Zonal Office, (Security Department)
Police Line Chhak ,
O.T. Road, Balasore-756001(Odisha)**

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाईन छक,ओ.टी.रोड, बालेश्वर , जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak , O.T.Road ,Balasore, District : Balasore,Pin-756001
दूरभाष Telephone: 06782 240111 , 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

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- Bid/Response to RFP may also be dropped at the Tender Box kept at the above address.
- Date and time of Bid opening shall be intimated through letter/e-mail/Phone at the address mentioned in tender (**Mention the full address, contact number & email on the envelop**) in the presence of Vendors' authorized representatives who desire to be present.
- UCO Bank reserves the right to accept or reject in full or in part any or all Bid/offer without assigning any reason and without any cost or compensation therefor.
- The RFP forms duly completed and sealed should be deposited within the stipulated time and date. Vendors should ensure submission of tender well in advance and late receipt of RFPs shall not be considered.
- Conditional Bids are liable to be rejected.
- Telegraphic, Fax and E-mail submission of Bids will not be accepted.
- Insertions, post scripts, additions and alterations shall not be valid unless confirmed by the Vendor's signature. Bids should be completed in all respects with all attachments/ enclosures/ annexure.
- The Vendor shall satisfy the Bank that he (includes 'she') possesses the necessary technical expertise and qualifications and that he has at his disposal suitable facilities to ensure completion of all the works within the stipulated time to the satisfaction of the Bank. The Vendor shall satisfy the Bank that he is financially in a sound position to fulfill contractual obligations offered to be undertaken by him.

Since the order for the supply of equipment would be placed directly, it is presumed that the Vendor should be able to make the supply of equipment and ensure installation and after sales service etc. without the intercession of agents. Therefore, there should be no need for engaging any agent and the prices quoted shall not include any element of agency commission.

5. System Requirements and Technical Specifications:

1. CCTV System with fully integrated Standalone 4 CH, 8 CH, 16 CH & 32 Channel Standalone DVR with embedded software, capable of working in 24x 7 environments. The CCTV system comprising Standalone DVR including storage HDD, CCD Cameras (verifocal Lens /IR Dome / IR Bullet/pinhole), display Monitor, cabling and other accessories.
2. System shall have combination of Digital CCD color video cameras with fixed lens / Dome, IR, encoders, decoders, network video recorders, network attached storage devices / Raid backup devices for recording, application software, color video TFT/LCD monitors, keyboard, mouse etc.
3. The system shall offer both Video Stream Management and Video Stream Storage Management. Video frame rate and resolution in respect of individual channel shall be programmable.
4. The system should provide inbuilt facility of Watermarking to ensure tamperproof recording, so that the video recorded cannot be altered and these can be used as evidence at a later date, if so required. The audit trail should be intact for evidential purposes.
5. System shall provide sufficient storage space of all video recordings for a period of 90 days and 180 days for 4 CH as per Bank's requirements, at the given fps per channel NTSC/PAL and D1 playback resolution using necessary compression techniques for all cameras. The system shall have provision to automatically overwrite the new information after the period of 90 & 180 days and necessary script/algorithm must be available in the application.
6. The video shall be compressed using **H.264** hardware compression.
7. The recording resolution and frame rate for each camera shall be programmable.
8. The system shall be pentaplex i.e. it should have facility for viewing, recording, remote viewing, back up and playback simultaneously.
9. System should have file player software so that back up can be auto played on any PC using Windows Media Player/on a cine player provided free of cost by the vendor.
10. This apart, the product should have series of DVR Cards to enable Mobile Handset as well as Remote PC/Laptop through TCP/IP protocol with the following features also:-

- A) Remote Video on PC and mobile
- B) Supports dynamic IP address
- C) DVR Software Kit Information should be based on open standards
- D) Secured Desk top
- E) Watermark logo Overlay

The vendor submitting technical Bid should ensure that the product offered meets the above specification and criterion. If the technical specification of any vendor does not match the above requirement, offer shall be rejected outright.

6. Preliminary Scrutiny:

UCO Bank will preliminary scrutinize the offers received to determine whether they are complete and required technical information have been furnished and also whether the documents have been properly signed, and submitted as per prescribed formats. Offers of the vendors will be rejected outright if any of the following conditions of the eligibility criteria is not satisfied.

Eligibility criteria

If any of the vendors submitting Bids does not fulfill any of the following terms, Bid will be rejected outright.

1. If the Vendor is not in line of supply & installation of CCTV at least for 3 years as on closing date of Bid i.e (04.06.2022).
2. If the Bid is not accompanied by demand draft / pay order for Rs.500/- (cost of RFP), favoring **UCO Bank, Zonal Office , Balasore payable at Balasore** in case RFP document is downloaded from website.
3. If the Bid is not accompanied by EMD of Rs.10000/- in the form of Pay Order / Draft favoring **UCO Bank, Zonal Office , Balasore payable at Balasore**.
4. If the Vendor does not have minimum annual turnover of Rs.50 lac annually in the last three financial years (To be supported by audited financial statement).
5. If the Vendor is not an O.E.M. and has not enclosed M.A.F (Manufacturer's Authorization Form) and warranty compliance statement.
6. If one Vendor's technical specification does not match with the specification of this RFP.

7. Technical Bench mark test:

After in house evaluation of response to RFPs by the Bank, the vendors, who meet the requisite criteria, will be short-listed. The short listed vendors will be asked to give

performance demonstration of all their equipment's viz. Standalone DVR (4,8,16 & 32 Channels, Cameras (IR / Dome / Pin Hole & Auto-Iris Vari-focal Lenses). All equipment's shall be complying with Technical Specifications of the TENDER DOCUMENTS and International quality certifications. All accessories shall be ISI mark or CE/FCC/UL certifications.

2. Location of the demonstration will be at **UCO Bank, Zonal Office, Police Line Chhak , O.T.Road,Balasore-756001(Odisha)** . Date and time shall be intimated through letter/e-mail. Maximum seven days' notice will be given for the demonstration. The short listed vendors will arrange the demonstration and they will participate at their own costs.

3. All equipment's and accessories used for the demonstration by the vendors should be the one, which has been quoted by them in their Bids as part of the tender document. No chance will be given for re-demonstrate

4. The eligible vendors shall be informed to submit the Financial Bid in response to the RFQ in due time.

8. RFP FEATURES:-

8.1. Language of the RFP – All response to RFPs and supporting documentation must be in English only.

8.2. Validity Period – The response to RFPs shall be valid for a period of 180 days from the date of opening of technical Bids. Any response to RFP which is valid for a shorter period shall be rejected by the Bank as non-responsive.

8.3. Format & Signing of RFP –

(a) The Bank in case of non-adherence to the Format or partial submission of Bids will not consider to evaluate the Bid/offer.

(b) Each response to RFP shall be made in the legal name of the Vendor,

(c) Each page of it shall be serially numbered, signed and duly stamped by the Vendor or a duly authorized person to sign on behalf of the Vendor,

(d) Any interlineations, erasure or overwriting shall be valid only if these are initialed by the person(s) signing the Bids.

(e) Executive(s) representing the Vendor should be duly authorized to attend opening of RFP, interacting with the Bank for all sorts of communication

(f) All relevant information should be given against the space provided for information in the prescribed Appendices. Writing of 'OK' 'accepted', 'noted', 'sheet attached' will not be accepted. In case, due to insufficient space, a sheet is added, page number of that sheet should be mentioned and the added sheet should have backward reference on right hand top thereof,

(g) All supporting documents of the particular Appendix should be attached to response of the RFP, writing reference thereon.

8 A. Evaluation of RFP - The purpose of evaluation of Bids is to determine: -

(a) Product of the DVR & Camera manufacturer in India or abroad for quality and reliability;

(b) Capability of the proposed DVR & camera to meet functional requirements outlined in the documents;

(c) Compliance of the SDVR(s) & Camera offered with Technical specifications laid down in the RFP;

(d) Acceptance of terms and conditions

(e) Service and support structure of the vendor;

(f) Vendor's standing i.e. experience in supply and service support of similar solutions;

(g) Vendor meeting the qualification criteria as specified in the RFP documents;

(h) Sound financial condition as judged by the Bank and

8. A.1. General Evaluation:

1. The Bank will examine the Bids against *Vendor's Eligibility Criteria* mentioned in the RFP document.

2. The Bank will examine the Bids to determine whether they are complete, whether the documents have been properly signed, and whether the RFPs are generally in order.

3. The Bank may waive any minor informality, nonconformity, or irregularity in a Bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Vendor.

4. During evaluation of the Bids, the Bank may, at its discretion, ask the Vendor for providing clarification on any point mentioned in its RFP. The request for clarification and the response shall be in writing.

8.A.1. Technical Evaluation:

The technical evaluation will be done on the basis of the following parameters based on the results of technical bench mark test during the demonstration. If the performance of the machine during the demonstration is found to be not in compliance with any of the following parameters, the Vendor will not qualify under technical evaluation. The decision of the committee formed by Bank to judge the performance/demonstration of the machine will be final & binding.

8. A.2. Parameters for Technical Evaluation:

(a) Appendix - B -Technical compliance sheet for 4,8, 16,32 Channel Standalone DVR & Technical Specifications of 4 CH Standalone ATM DVR

(b) Appendix-'C1'-'C-8':- Technical Compliance Sheet for Camera / Monitor / Accessories (Attach supporting documents to substantiate claim(s) with the technical RFP).

8. A.3. Short-listing of Vendors:

UCO Bank will form a short-list of technically qualified vendors and the short-listed vendors shall be informed in writing the date of submission of response to RFQ.

9. DOCUMENTS:

The Vendor is required to supply all documents pertaining to the Technical Specifications of the machine in two sets.

10. Cost of RFP:

Rs. 500/- (Rupees Two fifty only) payable by Pay order / Demand draft favoring UCO Bank, **Zonal Office, Balasore and payable at Balasore.**

11. Manufacturer's Authorization Form (MAF):

Vendors, other than the Original Equipment Manufacturers (OEM), must submit a letter of authority (Annexure – X 3) from their manufacturers to quote on behalf of the manufacturer. MAF should specifically mention that the OEM shall provide back to back support for Spare & Skill to the Vendor.

12. Alternative offers:

No alternative offer for any of the equipment's is acceptable. Only one single product (Make & Model) should be offered which is cost-effective and meets the Technical specifications.

13. Erasures or Alterations:

There should be no unauthenticated hand-written material, corrections or alterations in the offer. The offers containing unauthenticated erasures or alterations will not be considered. Technical details must be completely filled up correctly for the product being offered without corrections/alterations. UCO Bank may treat offers not adhering to these guidelines as unacceptable.

14. Modification and Withdrawal of Offers:

The vendor may modify or withdraw its offer after its submission, provided that written notice of the modification or withdrawal is received by UCO Bank prior to the closing date and time prescribed for submission of offers. No offer can be modified by the vendor subsequent to the closing date and time for submission of offers. In the event of withdrawal of the offer by eligible vendors, the EMD will not be refunded by the Bank.

15. Clarification of Offers:

For proper scrutiny, evaluation and comparison of offers, UCO Bank, at its discretion, may ask some or all vendors for clarification of their offer/demonstration of functionality of the offered product. The response to such clarifications should necessarily be in writing. If deemed necessary, the vendor is required to give presentation on the systems offered within a week of such request. However, UCO Bank will not entertain any communication/clarification/representation from the vendors, unless called for, after the closing time and date of submission of the Bid.

16. Technical Inspection and Performance Evaluation:

UCO Bank reserves its right to carry out a technical inspection and performance evaluation (bench-marking) of the offered item(s).

17. Verification:

UCO Bank reserves the right to verify any or all statements made by any or all vendor (s) in the RFP document and to inspect the vendor's facilities, if necessary, to establish to its satisfaction about the vendor's capacity to perform the job.

20. No Commitment to Accept Lowest or Any Bid:

UCO Bank shall be under no obligation to accept the lowest or any other offer received in response to this RFQ and shall be entitled to reject any or all offers including those received late or incomplete without assigning any reason whatsoever. UCO Bank reserves the right to make any changes in the terms and conditions of purchase. UCO Bank will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

21. Signing of Contract:

The successful bidder(s) shall be required to enter into a contract with UCO Bank as per Bank's standard agreement format, within two weeks of the award of the bid or within such extended period as may be specified.

22. Security Deposit:

The vendor shall submit a Bank Guarantee (proforma as per **Appendix-F**)/security deposit equivalent to 10% of the contract value towards composite security deposit cum performance along with the unconditional order acceptance within 15 days of the effective date i.e. date of Letter of Intent which shall be valid for 90 days from the date of opening of Price Bid. If the bidder fails to submit the Bank Guarantee/security deposit within the stipulated period, the Bank reserves the right to invoke the Bank Guarantee/security deposit for the earnest money deposit and cancel the contract.

Performance Guarantee for comprehensive AMC: The vendor shall provide a fresh Bank guarantee/security deposit for an amount of equivalent to 10% of 3 years quoted all-inclusive maintenance contract rate per annum as security deposit for the fulfillment of service contract condition. The Bank Guarantee (**Appendix-G**)/security deposit for maintenance contract shall be valid for the entire contract period of 3 years plus 3 months. Proforma of Bank Guarantee for maintenance contract is as per standard bank's format.

23. Insurance:

The vendor shall take all insurances (like All Risk Policy, Workmen Compensation Policy, Public Liability Policy, Overseas Transit Policy etc.) at his own cost to cover all kinds of risks from the time the equipment leaves the manufacturing facility till commissioning and

handing over which shall also cover storage, installation, testing and third party liability at the erection site and operationalization of the systems at respective sites.

24. Further Orders:

The Bank may place further orders for supply, installation, and maintenance of CCTV systems at the same rate and terms & conditions as per the Rate Contract entered into with finally selected vendor, within 12 months period from the date of first purchase order. However, if during the said 12 months period, any downward price-revision for any of equipment's occurs and then vendor must offer the same to the Bank without any delay and request from the Bank.

25. Order Cancellation:

The Bank reserves the right to cancel the purchase order in the event of one or more of the following situations: -

1. Delay in supply, installation and commissioning of equipments, beyond the specified period of 30 days.
2. Serious discrepancy in quality of supplied equipments.
3. In the event of order cancellation, the vendor shall be responsible to take back the faulty equipment's at their cost & expenses.

26. Manuals / Guides:

The equipment's will have to be supplied with all the manuals / guides in electronic form and / or printed booklet(s) as provided by the respective Original Equipment Manufacturers. All the manuals / guides should be in English only.

27. Hardware Warranty:

- The offer must include comprehensive on-site warranty, covering all parts, for minimum 1 year period starting from the date of installation and acceptance of the system by the Bank. Vendor shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all installed equipment's covered by the tender document. Vendor must warrant all equipment's, against any manufacturing defects during the warranty period.
- During the warranty period vendor shall maintain the systems and arrange repairing and/or replacement of all defective components at the site for free of charge to the Bank.

- Also, the warranty of the equipment's procured shall not become void if the Bank further buys any other supplemental equipment from a third party and installs it with these equipment's in the presence of the representative of the vendor.

28. Annual Maintenance Contract (AMC):

- After expiry of one year of warranty period, the Bank may enter into a contract with the vendor(s) for Post-Warranty support required for proper maintenance of equipments supplied by them. The vendor(s) must undertake to provide for equipments and arrange for spare parts for a minimum period of 3 years after expiry of warranty period. The vendor shall provide service / support within 24 hour of complaint. The vendor(s) will not outsource the maintenance work assigned by the Bank, to any second party and will arrange attending of all complaints registered by the Bank officials through its own service / support infrastructure only.

29. Support:

The vendor is required to provide sound after-sales service/support by arranging timely attending of calls (within 24 hour) received from the branches/offices where the equipments have been supplied & installed and problem rectification through competent service engineers. The desired support time should be uniformly maintained at all the sites. To meet up time the vendor has to maintain sufficient inventory of spare parts/equipments at all the support centers to avoid unnecessary delay in obtaining the spare parts/equipments. In case of failure to bring back the system in proper working order within the time stipulated above, a penalty of Rs 200/- per day shall be levied till the system remains non-functional.

The vendor must supply the details of its service/support infrastructure meant for registering the complaints along with the contact numbers like mobile nos., phone nos., electronic mail addresses and names etc. of its service engineers/technicians.

30. Spare Parts:

Vendor will ensure availability of spare parts for the supplied equipment's for a minimum period of 5 years from the time of their acceptance.

31. Hardware Failure:

If, during the warranty period as well as AMC period, any equipment fails to function properly four or more times during a quarter due to any reason except force majeure event, the vendor shall arrange replacement of the same by new equipment of same or higher configuration, at no cost to the Bank.

32. Indemnity:

Vendor shall indemnify, protect and save the Bank against all claims, losses, costs, damages, expenses, action suits and other proceedings, resulting from infringement of any patent, trademark, copyright etc. or such other statutory infringements in respect of all the network equipments supplied by it.

33. Publicity:

The vendor shall ensure that the name of the Bank does not appear in any of its advertisements, product demonstrations, sales promotion schemes, or any publicity initiatives, without obtaining explicit written permission of the Bank in this regard. The Bank, however, reserves the right to reject any such request made by vendor.

34. Guarantees:

Vendor should guarantee that the equipment's delivered to the Bank are brand new. All equipment's must be sealed box-packed and supplied with their original and complete electronic and / or paper printed documentation. The equipment must conform to the highest quality and standard. In case of software, the Vendor should guarantee that the equipment supplied to UCO Bank is licensed and legally obtained. All hardware and software must be supplied with their original and complete printed documentation. Consistency must be maintained for the entire lot of the equipment offered. All the required quantity of an item in schedule of requirement must be of the same brand and same model number. All the equipment and peripherals should be supplied with the relevant interface cables.

35. Completeness of the contract:

The contract will be deemed as incomplete if any component of the hardware, software, peripheral devices, etc. or any documentation / media relating thereto is not delivered, or is delivered but not installed and / or not operational or not acceptable to the Indenter after acceptance testing / examination. In such an event, the supply and installation will be termed as incomplete and it will not be accepted and the Warranty period will not commence. The Warranty period will commence only on acceptance (based on acceptance test) of equipment by the Indenter.

36. Liquidated Damages for delayed supply:

Time is the essence of the Contract. The entire work up to the stage of installation and testing i.e. commencement of operation of the system shall be completed within 1 month from the 10th day of acceptance of letter of intent failing which liquidated damages for

equipment's not supplied will be levied at the rate of 1% of the cost of equipments for each completed week of delay or part thereof, subject to a ceiling of 10% (Ten percent) of the price of each set of CCTV equipment.

37. Maintenance Contract:

The scope of the contract shall comprise and include all costs including all taxes, duties, levies and other transport, handling, insurance charges for the following:

(a) Routine servicing, trouble shooting, settings, adjustments, cleaning to ensure smooth and trouble free working of the system minimum once in a quarter.

(b) Repairs to the systems and trouble shooting of software in the event of any break down including cost of repair / supply of spares / components / sub systems.

(c) Stocking of all essential spares / sub systems in respective sites or in their / their representative's office.

(d) Import of the spares/sub systems for repairs/replacement inclusive of customs duty shall be the responsibility of the contractor and non- availability of spares in the stock at site/at his office in India will not be accepted as a reason for waiver of penalty towards delay in rendering prompt service.

(e) The Bank shall have the option to terminate the service contract any time during the contract period by giving a written notice of 3 months, without assigning any reason thereof. However, the contractor shall commit himself to the service contract for a minimum period of 3 years excluding the period of warranty and has no right to terminate the contract within this period.

Payments shall be made Quarterly after completion of each quarter of coverage site wise.

38. Indemnity to Bank:

The vendor shall indemnify UCO Bank and keep indemnified against any loss or damage that the UCO Bank may sustain on account of any violation of patents, trademark etc., by the vendor in respect of the products supplied.

39. Force Majeure:

The vendor shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that it's delay in performance or other failure to perform its obligations under the contract is the result of an event of force Majeure. For purposes of this Clause, "Force Majeure"

means an event beyond the control of the Vendor and not involving the vendor's fault or negligence and not foreseeable. Such events may include, but are not limited to, Acts of God or of public enemy, acts of Government of India in their sovereign capacity, acts of war, acts of UCO Bank in fires, floods and freight embargoes. If a Force Majeure situation arises, the Vendor shall promptly notify UCO Bank in writing of such conditions and the cause thereof within twenty calendar days. Unless otherwise directed by UCO Bank in writing, the Vendor shall continue to perform its obligations under the Contract as far as it is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of one month, UCO Bank and the vendor shall hold consultations with each other in an endeavor to find a solution to the problem. Notwithstanding above, the decision of UCO Bank shall be final and binding on the vendor.

40. Resolution of Disputes:

UCO Bank and the vendor shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, UCO Bank and the Vendor have been unable to resolve amicably a contract dispute; either party may require that the dispute be referred for resolution by formal arbitration.

41. Arbitration:

In case of any dispute or difference arising out of or in connection with or in carrying out of the work (whether during the progress of the work or after completion and whether before or after the determination, abandonment or breach of contract) except as to any of the excepted matters provided hereunder the parties hereto, shall first Endeavour to settle such disputes or differences amicably. If both the parties fail to reach such amicable settlement, all the disputes or differences shall be finally settled by arbitrator as provided herein.

In case of failure of such amicable settlement by the parties, then either party may within 28 days of such a failure give a written notice to the other party requiring that all matters in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in dispute or differences of which such written notice has been given and no other matter shall be referred to the arbitration of a single arbitrator to be appointed by both the parties or in case of disagreement as to the appointment of a single arbitrator, the provisions of

Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof and rules framed there under from time to time shall apply to such arbitrations.

In the event of the Arbitrator dying, neglecting, refusing to act or resigning or being unable to act for any reason or the award being set-aside by the Court for any reason it shall be lawful for the parties to appoint another Arbitrator in the manner provided herein above. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

The venue of arbitration shall be **Balasore, Odisha, India.**

The Arbitrator appointed under this Schedule shall have the power to extend the time to make the award with the consent of the parties.

Pending reference to arbitration and award thereon, the parties shall make all endeavors to complete the work in all respects as herein contracted and all disputes, if any, will finally be settled in the arbitration.

Upon every or any such references to the arbitration, as provided herein the cost of and incidental to the reference and award respectively shall be, at the discretion of the Arbitrator or Arbitrators or the Umpire, as the case may be, who may determine the amount thereof.

The Arbitrator shall give reasoned award in respect of each item of disputes, which shall be final and binding on both the parties. It is agreed that the Vendor shall not delay the carrying out of the work by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the work with all due diligence and shall, until the decision of the Arbitrator, as the case may be, is given, abide by the terms and conditions of the contract herein, as also instructions with regard to the actual carrying out of the work herein contracted and no award shall relieve the Vendor of his obligations to adhere strictly to the terms and conditions of the contract herein as also instructions with regard to the actual carrying out of the work. The Bank and the Vendor hereby also agree that arbitration under this schedule shall be a condition precedent to any right of action, under the Contract.

In case during the arbitration proceedings, the parties mutually settle, compromise or compound their dispute or difference, the reference to arbitration and the appointment of the Arbitrator, as the case may be, shall be deemed to have been revoked and the arbitration proceedings shall stand withdrawn or terminated with effect from the date on which the parties file a joint memorandum of settlement thereof with the Arbitrator, as the case may be.

If any fees are to be payable to the arbitrator this shall be paid equally by both the parties.

42. Jurisdiction:

The jurisdiction of the courts, in case of any dispute, shall be **Balasore** only.

43. If the bank so desires, after the tender process, it may call the qualified vendors for his willingness to install and AMC at the rates quoted by L1 vendor with the same technical specification.

44. The Bank reserves the right to accept/ reject any or all offers submitted without assigning any reason whatsoever and banks decision is final . All tenders in which, any of the prescribed condition is not fulfilled or incomplete in any respect are liable to be rejected.

45. Any dispute arising in this matter will be subjected to the jurisdiction of Balasore, Odisha state.

ZONAL MANAGER
UCO Bank, Zonal Office,
Police Line Chhak , O.T.Road ,
Balasore, District : Balasore, Pin-756001
E-mail-zobalasore.sec@ucobank.co.in

Annexure- x1

Submission of Bid in response to Request for Proposal

Ref:- -----

Date-----

Zonal Manager,
UCO Bank, Zonal Office,
Police Line Chhak , O.T. Road,
Balasore-756001(Odisha),

Sir,

1. We have carefully examined all the RFP Documents for supply & installation of SDVR based CCTV in your **Balasore zone** & other locations and all the conditions stated in the instructions to Vendors, General Conditions of Contract, and Technical Specifications etc. as detailed in the RFP Documents.
2. We enclose the details as asked for in the format given in Annexure-I duly signed by us along with supporting documents.
3. We also agree that our Bid will remain valid for acceptance by the Bank for 180 days from the date of opening of Bid, and this period of validity can be extended for such period as may be mutually agreed between the Bank and us in writing. We also agree to keep the Draft/Pay Order towards earnest money valid for 12+3 months from the date of opening of Bid. However, if we withdraw, you shall have the right to forfeit the Earnest money without reference to us. Should this Bid be accepted, we hereby agree to abide by and fulfill all the Terms and Conditions of the Bid and in default thereof authorize you to forfeit or pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the conditions contained in the RFP together with the written acceptance of the Contract. We understand that you reserve the right to accept or reject any or all the Bids either in full or in part without assigning any reason thereof.
4. We enclose a list of Bank clients (R.B.I. / Scheduled commercial Banks) in India (giving their full addresses), e-mail ids, telephone (landline and mobile), fax

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाइन छक,ओ.टी.रोड, बालेश्वर , जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak , O.T.Road ,Balasore, District : Balasore,Pin-756001
दूरभाष Telephone: 06782 240111 , 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

UCO Bank GST No for Odisha - 21AAACU3561B27Z

राजभाषा में काम - राष्ट्र का सम्मान

numbers, to whom models of equipment/s has/have been supplied by us during last three years as per the number indicated against each of them. (Ref. of orders received to be given)

5. We enclose details of patent, trademark, registered designs, intellectual property rights, industrial property rights, copy rights held by us regarding any part of the CCTV
6. We confirm that all the pages of the Bid document have been signed by the authorized signatory of the company. (Proof of authorization to be submitted)
7. We enclose a copy of document in support of year of establishment of our company/firm.
8. We enclose compliance of Technical Specifications as per Appendix-B to C

Dated this _____ day of _____ 2015

For and on behalf of

(with seal)

Signature _____

Name _____

Designation _____

Place

DULY SIGNED BY AUTHORISED SIGNATORY

WITH SEAL

(Letter to the Bank on the vendor's letterhead)

Ref No:- -----

Date-----

Zonal Manager,
UCO Bank, Zonal Office,
Police Line Chhak , O.T. Road,
Balasore-756001(Odisha),

Dear Sir,
Sub: Your RFP for -----
Ref No.

With reference to the above RFP, having examined and understood the instructions, terms and conditions forming part of the RFP, we hereby enclose our offer for the supply of ----- as detailed in system requirement and specification of your above referred RFP.

Sl No.	Description of -----	Make of the Item	Model No.	Part No

We further confirm that the offer is in conformity with the terms and conditions as mentioned in your above referred letter and enclosures.

We also understand that the Bank is not bound to accept the offer either in part or in full and that the Bank has right to reject the offer in full or in part without assigning any reasons whatsoever & without any cost or compensation therefor.

We enclose Demand Draft No./Pay Order no. ----- for Rs 10,000/- (Rupees ten thousand only) favoring UCO Bank, Zonal Office, Balasore , issued by ----- Bank, ----- Branch payable at Balasore, towards Earnest Money Deposit.

Yours faithfully,

Authorized Signatory
(Name & Designation, seal of the firm)

Date:

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाइन छक, ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak , O.T.Road ,Balasore, District : Balasore, Pin-756001
दूरभाष Telephone: 06782 240111 , 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

UCO Bank GST No for Odisha - 21AAACU3561B27Z

राजभाषा में काम - राष्ट्र का सम्मान

Manufacturer's Authorization Form (MAF)

No. _____

dated _____

**Zonal Manager,
UCO Bank, Zonal Office,
Police Line Chhak , O.T. Road,
Balasore-756001(Odisha),**

Dear Sir,

Subject: _____

Ref No. :

We _____ who are established and reputable manufactures of _____ having factories at _____ and _____ do hereby authorise M/s _____ (Name and address of Vendor /Dealer) to offer their quotation, negotiate and conclude the contract with you against the above invitation for RFP offer.

We hereby extend our full guarantee and warranty as per terms and conditions of the RFP and the contract for the equipment and services offered against this invitation for RFP offer by the above firm and confirm that back to back Spare & Skill Arrangement has been made with M/s _____ for providing support services to UCO Bank under this contract.

Yours faithfully,

Authorized Signatories

(Name & Designation)

Date:

For and on behalf of M/s _____
(Name of manufactures)

Note:

1. This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a competent person of the manufacturer.
2. Such MAF for all items offered for which the vendor is not an OEM, should be attached.

Date:

Place:

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाईन छक, ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak , O.T.Road ,Balasore, District : Balasore,Pin-756001
दूरभाष Telephone: 06782 240111 , 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

UCO Bank GST No for Odisha - 21AAACU3561B27Z

राजभाषा में काम - राष्ट्र का सम्मान

Annexure – x4

Details of Service Centres / Franchisee arrangement & Qualified/Competent Support Staff available for support to UCO Bank

Sl.no.	Location of service center		Contact person with address	Experience of Service Engineer and qualification	No. of year in service in the company	Telephone / Mobile No.
	Owned	Franchisee				

Authorized Signatory
(Name & Designation, seal of the firm)

Date:

(To be submitted by OEM)

No. _____

Date: _____

**Zonal Manager,
UCO Bank, Zonal Office,
Police Line Chhak , O.T. Road,
Balasore-756001(Odisha),**

Dear Sir,

Subject : _____

Ref. No. : _____

We _____ who are established and reputable manufactures of _____ having factories at _____ do hereby certify that all the components / parts / assembly / software used in the Standalone DVR based CCTV Systems i.e. DVR, Camera, Monitor etc, are original with new components / parts / assembly / software and that no refurbished / duplicate / second hand components / parts / assembly / software are used or would be used.

We hereby extend our full guarantee and warranty as per terms and conditions of the RFP and services, offered against this invitation by us. We also confirm that back to back spare & skill arrangement has been made with for providing support services of UCO Bank under this contract.

Yours faithfully,

Authorized Signatories

(Name & Designation)

Date:

For and on behalf of M/s _____

(Name of manufactures)

Note: This letter of authority should be on the letter head of OEM and should be signed by a competent person of the manufacturer.

Date:

APPENDIX – 'A'

VENDOR'S GENERAL INFORMATION

(Information required (Information to be filled by the Vendor))

1. Name of the Vendor: _____

2. Year of commencement of business: _____

3. Whether ISO certified : Yes / No

If yes, details: _____

4. Constitution of the Vendor (Tick mark the applicable): Limited Company, Private
Limited Company, Partnership, Sole Proprietorship or any other type _____

5. Vendor's Registered Address: _____

6. E-mail / Phone / Fax nos: E-mail: _____ Fax: _____

: Phone Nos: _____

7. Details of authorized representative(s): _____

8. Name(s) and addresses of Director(s): _____

9. Whether registered with the Registrar of Companies/ Registrar of Firms?

If so, mention number and date: _____

10. Whether Registered for GST ? _____

If yes, mention GST Regn number and date: _____

(Attach copies of GST Regn certificate).

11. Is the firm a Manufacturer / Dealer / Distributor of CCTV systems.

(Attach authenticated copies): _____

13. Net Profit (Rupees. In lacs)

During FY 2013-14: _____

During FY 2014-15: _____

During FY 2015-16: _____

(Furnish copy of Audited Balance sheet)

14. Total Turnover (Rupees. In lacs)

During FY 2013-14: _____

During FY 2014-15: _____

During FY 2015-16: _____

15. Whether an assessee of Income tax

If so please mention PAN number

16. No. Of Service Centers: _____

(Attach list of the Centers, their addresses, Contact person and Tele & Mobile Nos)

DECLARATION

1. I / We have read the instructions appended on the Performa and I / We understand that if any false information is detected at a later date, any future contract made between ourselves and UCO Bank on the basis of the information given by me / us can be treated as invalid by the bank and I /we will be solely responsible for the consequences.
2. I / We agree that the decision of the UCO Bank in selection of Contractors will be final and binding on us.
3. All the information furnished by me hereunder is correct to the best of my knowledge and belief.
4. I / We agree that I / We have no objection if enquiries are made about the works listed by me / us in the accompanying sheets.
5. I / We understand that the amount of Earnest Money deposit shall be forfeited if I / We fail to accept the purchase order that may be awarded as L-I Vendor, or failure to carry out the obligations for installation of the CCTV System.

Signature & Seal of the Vendor

<u>HD DVR for 4 Channel 2 SATA</u>			
S.N	Parameter	Specification	Compliances
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	<p>For 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p>	
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	

<u>HD DVR for 8 Channel 4 SATA</u>			
S.N	Parameter	Specification	Compliances
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	

HD DVR 16 / 32 Channel 8 SATA

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	
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4CH ATM DVR

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	WD1/4CIF/CIF@25 fps (P)/30 fps (N) or better resolution	
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	<i>Searching / Playback</i>	Date & Time based 1 channel searching and all channel simultaneous searching Replay up to 25 fps in each channel	
17	<i>Video Intelligence</i>	<i>Should support Motion detection, Intrusion Detection</i>	
18	<i>Back Up facility</i>	<i>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.</i>	
19	<i>User Interface</i>	<i>On screen graphic User Interface(GUI)</i>	
20	System recovery after power failure	<i>Auto Re booting</i>	
21	Operation for setting and searching	<i>User friendly</i>	
22	<i>Multiple functionality</i>	<i>Should support penta flex 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.</i>	
23	<i>Compatibility</i>	<i>Should support all types of cameras</i>	
24	<i>Certifications</i>	<i>UL ,CE,FCC & BIS</i>	
25	<i>System operation</i>	<i>Micro processor based Password operated</i>	

Signature & Seal of the Vendor

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाईन छक,ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak, O.T.Road, Balasore, District : Balasore, Pin-756001
दूरभाष Telephone: 06782 240111, 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in
UCO Bank GST No for Odisha - 21AAACU3561B2ZZ

राजभाषा में काम - राष्ट्र का सम्मान

APPENDIX-' C-1'

HD Fixed Dome			
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	
24	Certification	UL ,CE,FCC & BIS	

APPENDIX-'C-2'

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	

APPENDIX-'C-3'

HD Varifocal Dome			
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	
25	Certification	UL ,CE,FCC & BIS	

APPENDIX- 'C-4'

Specifications: 2 MP IR Fixed Turret Network Camera(IP Camera)		
Sl No	Camera	

1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON);
3		B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON)
4	Shutter Speed	1/3 s to 1/100,000 s
5	Slow Shutter	Yes
6	Auto-Iris	No
7	Day & Night	IR Cut Filter
8	Digital Noise Reduction	3D DNR
9	WDR	120 dB
10	3-Axis Adjustment	Pan: 0°to 360°, tilt: 0°to 75°, rotate: 0°to 360°
	Lens	
11	Focal Length	2.8/4/6 mm
12	Aperture	F2.0
13	Focus	Fixed
14	FOV	2.8 mm: horizontal FOV: 103°, vertical FOV: 62°, diagonal FOV: 118°
		4 mm: horizontal FOV: 90°, vertical FOV: 48°, diagonal FOV: 109°
		6 mm: horizontal FOV: 55°, vertical FOV: 31°, diagonal FOV: 62°
17	Lens Mount	M12
	IR	
18	IR Range	Up to 40 m

19	Wavelength	850nm
	Compression Standard	
20	Video Compression	Main stream: H.265/H.264
		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 x 240, 320 x 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
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

APPENDIX-‘C-5’

HD varifocal Bullet			
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	
25	Certification	UL ,CE,FCC & BIS	

APPENDIX-'C-6'

Pinhole Camera			
Sr No	Feature	specification	Compliance Yes/No
1	Image Sensor	1/3" CMOS /CCD or better	
2	Effective pixels	1920(H)x1080(V)	
3	Resolution	1920(H)x1080(V)	
4	Sync system	Internal	
5	Min. illumination	Colour-0.05Lux B/W 0.005Lux or better	
6	S/N ratio	52 dB	
7	Electronic shutter	Auto, 1/50 , 1/100,000 sec	
8	Lens	4 mm or <4mm	
9	WDR	120 db WDR	
10	BLC	On/Off (Auto)	
11	Motion detection	Yes	
12	Gamma	Auto/manual	
13	White balance	Set/Manual/Indoor/Outdoor/ Auto	
14	AGC	Off/Low/Middle/High	
15	Day & Night	Color/B/W/Auto level adjust	
16	Video output	1.00V p-p Composite Video Output, 75 Ohm	
17	Power supply	DC12V	
18	Power consumption	3 Watts max	
19	Certification	UL ,CE,FCC & BIS	

APPENDIX-'C-7'

3+1 Coaxial and power cable

Coaxial Cable		
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
Power Cable		
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

<u>Physical Characteristics</u>		
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
	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 dimention	7.5 \pm 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	\leq 5.6 nF/100m @1KHz
Electrical	Max. Capacitance unbalance	\leq 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,

APPENDIX-'C-8'

19" / 22" / 24" HD LCD Monitor					
S.No	Category	Parameters	Specification	Compliance Yes/No	Remark
1	Monitor	Backlight	LED Backlight		
2		Screen Size	19 inch		
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		
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APPENDIX-'D'

OTHER MANDATORY REQUIREMENTS

1	All imported products, e.g. Cameras, DVRs should carry quality certification i.e. CE / FCC / UL. (Copies to be enclosed) and all Cable and PVC conduit i.e. ISI Mark (Should be marked as Annexure-1)
2	Products should be from ISO certified Manufacturer & Supplier. (Copies to Be Enclosed) (Should be marked as Annexure-2)
3	Copies of Back-To-Back Authorized Dealership Certificates to Be Enclosed (Should be marked as Annexure-3).
4	Local Address & Telephone Number of All Service Centers should be provided (Should be marked as Annexure-4).
5	Copies of ST / CST / VAT / Regn. No. (Should be marked as Annexure-6)
6	Copy of PAN No. Registration (Should be marked as Annexure-7)
7	Brochures / Technical Data Sheets of products offered (Should be marked as Annexure-8.1, 8.2, 8.3 etc).

Signature & Seal of the Vendor

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाइन छक, ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak, O.T.Road, Balasore, District : Balasore, Pin-756001
दूरभाष Telephone: 06782 240111, 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in
UCO Bank GST No for Odisha - 21AAACU3561B2ZZ

राजभाषा में काम - राष्ट्र का सम्मान

Appendix-E

Performa for Performance Bank Guarantee

UCO Bank, Zonal Office, Police Line Chhak , O.T. Road,Balasore-756001(Odisha),

In consideration of UCO Bank (hereinafter called "the said Purchaser") having its office at, having agreed to purchase/engage _____ from _____ having its office at _____ (hereinafter called "the said Supplier/Vendor/Contractor") under the terms and conditions of an Agreement dated _____ (hereinafter called "the said Agreement").

Towards the security for the due fulfillment of the terms and conditions contained in the said Agreement, it has been agreed by the said Vendor that they will provide a bank Guarantee for Rs. _____ (Rupees _____ only).

We _____ (indicate the name of the bank) (hereinafter referred to as "the Bank") at the request of _____ (Vendor) do hereby undertake and guarantee to pay to the Purchaser an amount not exceeding Rs. _____ (either in lump sum or in parts) against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser by reason of any breach by the said Vendor of any of the terms or conditions contained in the said Agreement. Unless repugnant to the context or meaning there of, expressions, Purchaser, Vendor, Bank shall mean and include their heirs, representatives, successors, executors, administrators, assigns, etc. as may be applicable, 1. The Bank does hereby undertakes to pay the amount(s) due and payable under the guarantee without any demur, merely on a demand from the Purchaser stating that the amount(s) claimed is/are due by way of loss or damage caused to or would be caused to or suffered by the Purchaser by reason of breach by the said Vendor of any of the terms or conditions contained in the said Agreement or by reason of the Vendor failure to perform its obligations under the said Agreement.

Any such demand made by the Purchaser on the Bank shall be conclusive as regards the amount(s) due and payable by the Bank under this guarantee, whether made in one go or in parts. However, Bank's liability under this guarantee shall in totality be restricted to an amount not exceeding Rs. _____, whether or not invoked or if invoked, in part or otherwise.

2. The Bank undertakes to pay the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Vendor or any suit or proceedings pending before any Court or Tribunal relating thereto. Thereby meaning that Bank's liability under the present guarantee shall be absolute and unequivocal in any circumstances what so ever, if called upon to pay by the Purchaser. However our liability shall not exceed in Rs. _____ (in words)

3. The Bank further agrees that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues and or advances made by the Purchaser under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____, the Purchaser certifies in writing that the terms and conditions of the said Agreement have been fully and properly carried out by the said Vendor and accordingly the Purchaser discharges this guarantee, either in writing or by returning the Original Guarantee Bond or till its expiry whichever is earlier to the Bank.

4. The Bank before the release of the Bank Guarantee Bond in original by the purchaser and before the expiry of this guarantee, as per clause 3 of this Guarantee Bond, may renew this guarantee for the same period as was initially requested upon for this guarantee or for any shorter period, at the option of the purchaser, under intimation to the vendor.

5. The Bank further agrees with the Purchaser that the Purchaser shall have the fullest liberty without Bank's or Vendor consent and without affecting in any manner Bank's obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Vendor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Purchaser against the said Vendor and to forbear or enforce any of the terms and conditions relating to the said agreement and the Bank shall not be relieved from its liability by reason of any such variation, or extension being granted to the said Vendor or for any forbearance, act or omission on the part of the Purchaser or any indulgence by the Purchaser to the said Vendor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving the Bank, in any manner what so ever.

6. This guarantee will not be discharged during its currency due to the change in the constitution of either the Bank or the Purchaser or the Vendor, in any manner what so ever.

7. The Bank lastly undertakes not to revoke this guarantee during its currency or extensions there of, except with the previous consent of the Purchaser, in writing or otherwise than as is provided in this Guarantee.

8. The Bank also agrees that the Purchaser at its option shall be entitled to enforce this Guarantee against the Bank as its principal debtor in first instance without proceeding against the said Vendor, and notwithstanding any security or other guarantees that the Purchaser may have in relation to or in relation to the Vendor liabilities from time to time, as this guarantee constitutes a separate, distinct and independent contract between the Bank and the Purchaser.

9. Any officer of the Purchaser of the rank of Senior Manager or above, duly authorized in this regard, shall be competent to issue demand/notice or to issue any appropriate instructions, as the circumstances may warrant, to the Bank under this Guarantee, which the Bank shall have to comply immediately and forthwith, without raising any dispute or question/s in regard there to, in any manner what so ever. Notwithstanding any thing contained here in above:

- a) The liability of the Bank under the guarantee shall not exceed Rs. _____ (in words).
b) This Bank Guarantee shall be valid either till _____ or till the issue of a fresh Bank Guarantee to the Purchaser with a extended period in lieu thereof or till the Purchaser certifies in writing that the terms and conditions of the said Agreement have been fully and properly carried out by the said Vendor and accordingly the Purchaser discharges this guarantee, in writing and by returning the Original Guarantee Bond to the Bank.
c) The bank before the release of the Guarantee Bond in Original by the purchaser and before the expiry of this guarantee may at its option renew this guarantee for the same period as was initially agreed upon for this guarantee or any shorter period, at the option of the purchaser, under intimation to the vendor.
d) The Bank is liable to consider any notice for invocation of Bank Guarantee as a default by the Supplier/Vendor/Contractor(s) and shall be under an obligation to pay to the Purchaser the entire amount of Guarantee or any part there of under this Bank Guarantee only and only if the Purchaser serves upon the Bank a written claim or demand before the expiry of either the Bank Guarantee or any extended period/s under this Bank Guarantee, as the case may be.

Notwithstanding anything contained herein our liability under this Bank guarantee shall not exceed Rupees _____/- (Rupees _____ only) This Bank guarantee shall be valid up to _____ and we are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before.....

This guarantee will be returned to us as soon as the purpose for which it is issued is fulfilled.

Dated the _____ day of _____ 2022.

Signature

Name

Designation with Bank stamp

Appendix – F

Proforma of Bank Guarantee for Annual Maintenance Contract

(To be submitted on non-judicial stamp paper of appropriate value purchased in the name of the issuing Bank)

The undersigned of _____ Bank, having its registered office in _____ address _____ taking into consideration:

That M/s _____ address _____ hereinafter called the supplier have received from UCO Bank, **UCO Bank, Zonal Office, Police Line Chhak , O.T. Road, Balasore-756001 (Odisha)** hereinafter called buyer, an order for supply, installation, and Maintenance of Standalone Digital Video Recorder (SDVR) based Close Circuit Television (CCTV) System along with Annual Maintenance Services Contract for the same.

That the buyer requires from the supplier a Bank Guarantee for a sum of Rs. _____

(Rupees _____) as a security for due fulfillment by the supplier for their contractual obligations in this respect:

We, _____ (name of the Bank) declare hereby to guarantee irrevocably and unconditionally upto a maximum amount of Rs. _____ (Rupees _____) towards due fulfillment by the supplier of their obligations in this regard, and consequently undertake to pay to the buyer on their first written demand, all that which the buyer declares the supplier are due to them in this respect, such with due observance of the above maximum amount.

This guarantee will remain valid up to and including _____ date (end of period). Claims, if any, must have been received by the undersigned on that date _____ the latest, at the address _____ (address of the issuing Bank and branch).

Notwithstanding anything contained hereinabove, our liability under this guarantee is restricted to Rs. _____ (Rupees _____) This Bank Guarantee expires on ----- (date). Unless a claim or demand is received by us at issuing Bank / Branch address _____, in writing on or before _____ (claim period up to _____ date), all rights of the buyer under the said guarantee shall be forfeited and we shall be released and discharged from all our liabilities thereafter.

The confirmation of this guarantee may be obtained from our controlling office of the issuing branch at _____ address _____.

Place:

Signature of the person issuing guarantee

Date:

with Seal of Bank

APPENDIX-'G'

Maintenance Tasks For CCTV system Under Warranty Period And Thereafter Under Annual Maintenance Contract

- 1 During every quarterly visit and while attending the break-down calls, inspect the overall condition of the **CCTV** system, power back-up and wiring.
- 2 Test and check the system for proper functioning and diagnose any defects noticed during testing as reported by the Branch and/or Extension Counter.
- 3 Test the unit for overheating, if detected.
- 4 Check all components with other circuitry and components.
- 5 Check power and cables.
- 7 Check the entire wiring for loose connections, loose fittings, damage by rodents etc especially at floor crossings.
- 10 Replace the defective parts, if any, and destroy the replaced part(s) in front of the Bank official(s).
- 11 Test the whole system and demonstrate the same to the Branch staff.
- 12 Remove any defects or complaints reported by the Branch/ Extension Counter.
- 13 Obtain signature of the Manager or any other Authorised Official of the Branch/ Extension Counter with Branch Seal and date on the Service Certificate clearly specifying the work done and parts replaced.
- 14 Spares and components of reputed Companies only should be used.
- 15 Wires used should be of recognized Companies and should conform to the ISI specifications on the same.
- 16 The Representative(s) of the Contractor will always produce their Identity Cards issued by the Firm to the Branch officials before commencing the work.

The Vendor should undertake to: -

Depute technicians to pay quarterly statutory visits (4 visit per year) and also attend to all break down calls as and when required within the time limit mentioned hereinabove, for maintenance of CCTV Systems.

- 1 The statutory visits will be made with at least 75 days but not more than 105 days gap between the two consecutive visits. Any visit beyond this period will not be counted.
- 2 Depute technicians to repair faults arising due to and because of faulty, incorrect or incomplete maintenance work and also arising out of any other technical faults. No separate charges will be paid for such visits.
- 4 The Technicians will carry adequate and suitable tools, equipments, spares and other required materials for maintenance work.
- 5 The maintenance schedule will be as per details given herein above.

- 6 The Contractor will ensure that the Biometric Access control Systems are in perfect working conditions all through.
- 7 The fault repair calls will be attended immediately, but not later than 24 hours of receipt of intimation in our Branch
- 8 Contractor will maintain a complaint register at his office and each complaint will be given a serial number for easy management.
- 9 The Contractor will prepare a Servicing Memo in quadruplicate and will get the same signed by the Branch Manager/ Authorised Official on satisfactory completion of the work. One copy of the same will be handed over to the Branch immediately.
- 10 The Contractor will submit the following reports of all the Branches and Extension Counters to the Bank within 10 days of the end of each quarter.
 - (i) Overall maintenance and defects status report of Branch for the quarter.
 - (ii) Extract of the Complaint Register for the quarter.
 - (iii) One copy of the Servicing Memo(s) duly signed by the Branch Manager/ Authorized Official with rubber stamp of the Branch.

The Bank undertakes to-

- 1 Instruct Branch where **CCTV** Systems will be installed to allow the Contractor to undertake maintenance work and extend all possible cooperation to the Technicians of the Contractor.
- 2 To monitor, control and supervise the quality of services being provided by the Contractor within a reasonable period.
- 3 To ensure payment of quarterly visits (during the AMC period i.e. after completion of the defect liability period of one year) from Zonal Office within a reasonable period.
- 4 To receive and scrutinize the reports submitted by the Contractor.
- 5 To make available to the Contractor all details of timings, weekly offs, holidays etc of the Branches. Any changes made in between will also be informed.

FINANCIAL BID

SI no	Description	Quantity	Rate in Rs (Both in figure and words)
1	Rate of Non-Comprehensive AMC per branch (Terms & Condition of AMC - 4 quarterly visits compulsory and additional mandatory visits on call)	For one year	
2	04 channel SDVR with 2 TB Hard disk(2 SATA)	1 No	
3	08 channel SDVR with 4 TB hard disk(4 SATA)	1 No	
4	16 channel SDVR with 8TB hard disk(8 SATA)	1 No	
5	32 channel SDVR with 16 TB Hard disk(8 SATA)	1 No	
6	4 channel ATM DVR(1 SATA)	1 No	
7	Cost of Hard disk - 1 T.B.	1 No	
8	Cost of Hard disk - 2 T.B.	1 No	
9	Cost of Hard disk - 4 T.B.	1 No	

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाइन छक,ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
Security Deptt, Balasore Zonal Office, Police Line Chhak, O.T.Road, Balasore, District : Balasore, Pin-756001
दूरभाष Telephone: 06782 240111, 06782 240112 : ई-मेल e-mail : zobalasore.rec@ucobank.co.in

UCO Bank GST No for Odisha - 21AAACU3561B2ZZ

राजभाषा में काम - राष्ट्र का सम्मान

10	HD fixed Dome IR camera	1 No	
11	HD fixed Bullet IR Camera	1 No	
12	HD varifocal Dome IR camera	1 No	
13	HD varifocal Bullet IR camera	1 No	
14	C Mount camera	1 No	
15	Pin hole camera	1 No	
16	2 MP fixed IR IP camera with memory card slot	1 No	
17	Memory card(64 GB)	1 No	
18	Memory card(128 GB)	1 No	
19	22 inch TFT Monitor	1 No	
20	Power supply of SDVR	1 No	
21	Power supply of camera	1 No	
22	RG-6 Video cable per meter	1Meter	

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23	Two core power cable per Meter	1 Meter	
24	3+172 Coaxial power cable	1 Meter	
25	CAT 6 Cable	1 Meter	
26	VGA Cable -5meter	1 No	
27	VGA Cable -10 meter	1 No	
28	USB Cable- 5 meter	1 No	
29	USB Cable- 10 meter	1 No	
30	PVC conduit per meter	1 Meter	
31	6 U Rack for DVR	1 No	
32	8 U Rack for DVR	1 No	
33	Shifting charges	Per branch	
34	Back up charges	One time	
35	Tax-GST		

***All the above mentioned items are to be supplied as per technical specification enclosed in Appendix A –G.**

Seal and Signature of the Tenderer

सुरक्षा विभाग, बालेश्वर अंचल कार्यालय, पुलिस लाईन छक, ओ.टी.रोड, बालेश्वर, जिला: बालेश्वर, पिन-756001
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राजभाषा में काम - राष्ट्र का सम्मान

