

Invitation of Bids for 1) New installation / Upgradation of CCTV System and 2) Fire Cum Burglary Integrated alarm with auto dialer in our branches located in Punjab and J & K under Jalandhar Zone

A. Tenders are invited from reputed vendors for the following

- i) New Installation / upgradation (buy back with old system in case of upgradation) of CCTV system in UCO Bank Branches/offices located in Punjab and Jammu & Kashmir states under Jalandhar Zone.
- ii) New Installation / upgradation (buy back with old system in case of upgradation) of Integrated Fire cum Security Alarm in UCO Bank Branches/offices located in Punjab and Jammu & Kashmir states under Jalandhar Zone.

Only those firm will be considered which fulfill the criteria as given in technical bid:-

1. Reputed vendors specialized in providing security Gazettes.
2. Ability to undertake all Security Gazettes related installation work for all branches throughout the zone.
3. Have ability to provide hassle free services.
4. Ability to commence services within 15 days from date of placement of order
5. Vendor should have at least one local office in Punjab.
6. Vendor should have a credible supervisory infrastructure and network for provision of maintenance of security gazettes as also for follow up with law enforcement agencies.
7. Vendor should provide the latest Income Tax assessment order, PAN number, Service tax number.
8. Vendor should have a Certificate of Registration with Registrar of companies or Registrar of firms or have letter of Proprietorship or partnership deed in case of partnership firm.
9. Vendor should provide the latest audited balance Sheet
10. Vendor should be registered under appropriate authority for service tax
11. Bank reserve the right to award the contract work to single service provider or can engage 02 service providers on negotiable rates (Even bank can offer the contract to L-2 or L-3 bidder on negotiable rates if L-1 bidder fail to provide the service within stipulated time.
12. Proposed agreement to be signed with the vendor is also available at **Annexure 'A'** of this advertisement.

13. The Bidders shall submit the Tender Fees, Tender processing fees, EMD AND Technical Bid as under :

- i) **For CCTV** – a) Tender Document Fees Rs. 1000/- (Non refundable)
b) EMD Rs. 10000/- (Refundable)
- ii) **For Fire and Security Alarm** – a) Tender Document Fees Rs. 1000/- (Non refundable)
b) EMD Rs. 10000/- (Refundable)

iii) Fees for both the CCTV as well as Security alarm will be submitted through separate DD in favour of 'UCO BANK ZONAL OFFICE JALANDHAR'.

14. Tenders will be submitted in the following manners:

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- a) **Part I. Technical bids** (annexure- 'B') - To include profile of the company, list of major existing clients, registration number and sales tax details and mentioned in annexure.

Technical bid alongwith above mentioned requisite fees and documents (separate bid for both CCTV and Alarm) in two sealed covers superscribed "TECHNICAL BID FOR CCTV SYSTEM / TECHNICAL BID FOR SECURITY ALARM" on respective envelopes.

- b) **Part II. Financial Bid** (annexure-'C') Net rates (inclusive of all taxes and levies and rates of Buy back of old items) - Part II will be opened only if Bank is satisfied with Part I. Bank reserves the rights to reject any/all bids without assigning any reason thereto. All pages of the tender should be signed and stamped by the vender while submitting the tender. Rates in financial bids will be quoted as per Technical specification given at appendix 'D' for CCTV and appendix 'E' for Fire and Security Alarm.

Then these two sealed covers are to be put in a bigger cover (separate big cover for both CCTV and Security Alarm) and superscribed "Tender for Installation of CCTV / Tender for Installation of Security Alarm" on respective envelop. Bothe the sealed covers (CCTV and Security Alarm) are to be addressed to "The Zonal Manager, UCO Bank, Zonal Office, Security Deptt, 113-114-115 Master Tara Singh Nagar Market, Jalandhar-01" and will be put in the Tender Box provided at the above address by 1500 hrs on or before 10 November 2016. Conditional Bids will be summarily rejected. Each bidder shall submit only one bid for each Item (Each for CCTV and Security Alarm). In case a bidder submits more than one bid, all bids submitted by that bidder will be summarily rejected.

For any other queries, vendors may contact the SECURITY DEPARTMENT, Zonal Office, Jalandhar on working days between 11 A.M. to 4 P.M.

15. Opening date of Tender – 24.10.2016 and Closing date of tender – 10.11.2016, 1500 hrs.

15. Other special terms & Condition are given at the annexure 'F' and General terms and conditions at appendix 'G' of this advertisement

ZONAL MANAGER
ZONAL OFFICE, UCO BANK
JALANDHAR ZONE

यूको बैंक, अंचल कार्यालय, सुरक्षा विभाग, 113-114-115, मास्टर तारा सिंह नगर मार्किट , जालंधर- 144001
UCO Bank, Zonal Office, Security Deptt, 113-114-115 Master Tara Singh Nagar Market, Jalandhar-01
फोन/Ph No.-(0181)2227401-2240240 फैक्स नं.Fax No.(0181)2226099
ईमेल Email: zo.Jlndhar@ucobank.co.in

APPENDIX 'A'

ARTICLE OF AGREEMENT

AN AGREEMENT made this _____ day of November 2016 between UCO BANK, a body corporate constituted under Banking Companies (Acquisition and Transfer of Undertakings) Act, 1970 having its Zonal Office at UCO Bank Building, Master Tara Singh Nagar, Jalandhar (hereinafter referred to as the "Bank") of the one part and _____ of _____ hereinafter referred to as the "Vendor") of the other part.

WHEREAS IT IS AGREED THAT:

1. The Vendor shall install close circuit television systems / Integrated Fire cum Security alarm system at Bank's various Branches situated located in entire Punjab and Jammu & Kashmir states on the terms and conditions herein contained and according to the General and special Conditions of Tender Specifications and Schedule of rates attached, and instructions to be given by and under the supervision of and to the entire satisfaction of the Bank's authorised representative at Jalandhar.
2. The Vendor has satisfied himself as to the nature of the work to be executed on the site. Any difficulties which the Vendor may come across in the course of the work shall neither in any way relieve him from fulfilling the terms of this agreement nor entitle him to claim or receive extra payment, unless the Bank's authorised representative is of the opinion that such difficulties could not have been foreseen.
3. Supply of Material/Labour: The Vendor shall provide all labour, materials, equipment, tools, & every thing necessary for the completion of the installation work. The detailed specifications mentioned in the tender documents shall be adhered to by the Vendor & no variation shall be made therein by the Vendor without obtaining previous approval in writing from the authorised representative.
4. All materials supplied by the Vendor shall be of the best quality, conforming to the required specifications and will be subject to the approval of the Bank's authorized representative. No pirated software and DVR Card will be provided by the Vendor. All such materials as shall not be approved shall be removed at once by the Vendor at his own expense. The Vendor shall be responsible for any loss arising from any failure of the Vendor to discharge his responsibility for the safety and protection of all material/equipment of the Bank during execution of the work.
5. Damage on account of incomplete work: The Vendor shall complete the work within the time stipulated in the work order to this effect. The work will be progressed in accordance with the agreed schedule and whole work shall be completed and handed over ready for use within the agreed time period from the date of commencement of work (time being of the essence), failing which the Vendor shall pay liquidity damages @ Rs 500/- per day, per Branch subject to maximum 10% of the contract value. Such damages may be deducted by the Bank from any money due to the Vendor.
6. Termination of Contract: In the event of the Vendor failing to keep to the agreed schedule of work, or in the event of the Vendor failing to complete the work within the stipulated period, the Bank may terminate this agreement forthwith and employ at the Vendor's cost, another Vendor or a sufficient number of workmen to complete the work in which event the damages specified in Clause 5 above shall not apply from the date this agreement is terminated.

7. **Defective work/materials:** If any part of the work done by the Vendor shall be found defective in workmanship or if bad or inferior materials have been used. The Vendor shall at his own risk and cost, replace all such defective work and replace the bad or inferior materials used, to the satisfaction of the Bank's authorized representative. The decision of the Bank's authorized representative in this regard shall be final and binding on the Vendor. In case of default of the Vendor to remove the defective work or replace the bad or inferior materials as aforesaid, as directed by the Bank's authorized representative, the Bank shall be entitled to employ anyone else to carry out the same and recover all expenses incurred in this regard from the Vendor.
8. **Substitution of Vendor:** If the Bank finds it necessary to employ and other person(s) as mentioned hereinabove then the Bank may deduct and retain from out of the sums due to the Vendor all such sums of money as may be required to pay or to reimburse themselves in respect of the expenses which they may have to pay or have incurred in getting the work so done and if such expenses be more than the amount due to the Vendor, then the difference shall be a debt recoverable from the Vendor by the Bank. The Vendor shall not do or cause to be done any act, manner or thing, which would prevent the person(s) so employed by the Bank from doing their work. On termination of the agreement as aforesaid, the Vendor shall at his own risk and cost remove from the work-site within the time prescribed by the Bank all materials, tools, equipment which the Bank considers are not useful for its requirements. If the Vendor does not remove the materials within the time prescribed, the Bank may remove and sell the same holding the proceeds less the cost of storage, removal and sale, to the credit of the Vendor. Should the Bank incur any loss in respect of the sale, it shall be entitled to recover the same, from the Vendor. The Bank shall however be entitled to purchase the materials inspected and approved as useful for its requirements, at the prices then prevailing.
9. **Inspection of work:** During progress of the work, the representative of the Bank shall be entitled at all times to have access to and inspect the work.
10. **Supervision:** The Vendor shall provide one or more competent and technical supervisors duly and fully authorised to act on his behalf in all matters relating to the works to be carried out under or any other matter concerning this agreement and who shall at all times be present at the works when any work is in progress. Such supervisors shall be persons of known experience and be approved by the Bank authorized representative before they are permitted in any way to take charge of, or superintend any operation of the works. Any directions, explanation, instructions or notices in connection with the work given by the Bank's authorized representative to the supervisor or any one of them shall be deemed to have been given to the Vendor.
11. **Payment for work done:** Payments of the final bill will be made and retention money 10% will be deducted and retained for a period of twelve months to safeguard against defects arising out of faulty workmanship/materials /provided by the Vendor and against any other claims against the Vendor from any other reason whatsoever.
12. The Vendor shall submit his final bills in duplicate based on measurements jointly recorded by Bank's authorized representative and with the Vendor's authorised Representative. All payments against the bills will be made by the respective Branches through Cheque and such payments shall be subject to deduction of income tax & other taxes as may be applicable from time to time.
13. The Bank-in consideration of the Vendor carrying out the work shall pay the Vendor at the rates given in the attached Schedule, subject to deductions, retention and abatements, if any to be made there-from. The payment in all cases will be in accordance with the actual quantities, based on the measurements as specified in hereinabove.

14. **Subletting Contract:** The Vendor shall not without the prior written consent of the Bank first had and obtained sublet or assign this Agreement or any part thereof PROVIDED ALWAYS that any consent given by the Bank for signing or subletting will not relieve the Vendor from the full and entire responsibility of his obligations under this Agreement and/or instructions issued to him.
15. The terms and conditions mentioned in the Tender documents (as given in Annexure) and in the work order shall form part and parcel of this agreement.
16. **Workmen's Compensation Liability:** The Vendor, his heirs, executors and administrator (and in the case of a Limited Bank, its successors and assigns) shall hold the Bank harmless and indemnified from and against all claims, costs and charge for which the Bank shall be liable under the workmen's Compensation Act, and any enactment for the time being in force in that behalf and any amendments thereof and the expenses to which it shall be put there under, both in respect of personal injuries (within the meaning of the said Act) to the employees and servants of the Vendor sub-Vendors, if any, and/or permitted assigns, arising out of or occasioned during the currency of this Agreement, through the acts, or omissions whether due to negligence or otherwise of the Vendor, sub-Vendor(s), permitted assigns and also in respect of the personal injuries (as understood under the said Act,) to the servants and employees of the Bank arising out of or occasioned through, the acts and commissions whether due to negligence or otherwise, of the Vendor, sub- Vendor(s) permitted assigns and/or his servants and employees in carrying out any of the provisions of this Agreement. The Vendor shall further indemnify the Bank against such claims from third parties in respect of injuries arising out of or occasioned through the acts and omissions, whether due to negligence or otherwise, of the Vendor, Sub-Vendors, permitted assigns and/or his servants and employees in carrying out any of the provisions of this Agreement.
17. **Liability under Employees State Insurance Act:** Whenever the Bank is required to pay contributions in respect of the workmen or employees engaged or employed by or through the Vendor, his Sub-Vendor or permitted assigns, under the Employees State Insurance Act or the Rules and Regulations, made there under either as the Principal Employer or otherwise howsoever, the Bank shall be entitled to recover from the Vendor such contributions which the Bank may pay. The Vendor will discharge his responsibilities under the Employee's State Insurance Act, 1948 as an immediate employees engaged or employed by him for the execution of work or as the next immediate employer in case he has sublet or assigned the Agreement or the instructions as provided herein above. The Vendor acknowledges the rights of the Bank to recover the amount of the contributions paid by it in the first instance in respect of the employees employed by or through him (the Vendor) or by his Sub-Vendor or permitted assigns, as well as the employees' contributions if any either by deduction from any amount payable to him by the Bank under any contract or as a debt payable by him to the Bank.
18. **Statutory Requirements:** The Vendor shall conform to provisions of Acts of Parliament or State Legislatures and to any bye-laws, rules, orders or notifications of any Government, Municipal or Local authority for the time being in force affecting the work undertaken by him and will give all necessary notices to and obtain requisite sanction and permits of and from the Municipal and any other authority in respect of the said work of the materials to be used thereat and generally will comply with building and other regulations of such authorities and will keep the Bank indemnified against all claims, penalties and losses that may be incurred by it by reason of any breach by the Vendor of any statutes bye-laws, rules, regulations, notifications etc.
19. "The Vendor undertakes to ensure due and complete compliance with all laws, regulations, rules etc. whether of the Central Government or the State Government or of any other competent authority applicable to the

workmen employed or whose services are otherwise availed of by the Vendor whether in connection with the construction work at the site or otherwise.

20. The Employer shall have the right to inspect the records maintained by the Vendor concerning such workmen from time to time and the Vendor shall whenever required by the Employer produce such records as the Employer may call upon the Vendor to produce for the Employer's inspection in order to ascertain whether or not the requirements of all such laws, regulations, rules etc. have been complied with by the Vendor. In event of any contravention of such laws, regulations, rules etc. coming to light whether as a result of such inspection or otherwise to effect such compliance within such time as the Employer may prescribe in that behalf and in the event of the Vendor failing to effect such compliance within the time prescribed by the Employer then the Employer shall without prejudice to his rights be entitled to withhold from the amount payable to the Vendor any amount payable to the workmen under any such laws, regulations or rules to make payment thereof to the workmen. The employer shall also have in that event the right to terminate the contract with immediate effect and to exercise powers reserved to the Employer under the contract as a result of termination."
21. Clerical errors to be rectified: Neither party shall take any advantage of any clerical error or mistake which may creep in or occur in the specifications, schedule of rates, plans instructions tenders or any other papers supplied to or by the Vendor in connection with the work, but such clerical error or mistake shall be brought to the notice by the one to the other without any loss of time and same shall be rectified.
22. "The parties to this agreement shall not be responsible for any failure of performance or delay in performance of their obligations hereunder if such failure or delay shall be a result of any Government directive relevant to this agreement or due to war, hostility, act of public enemy riots or civil commotion, strikes, lock-out, fire, floods, epidemic or acts of God, arrests and restraints of rulers and people, political or administrative acts of recognized or defector governments, import or export restriction compliance with orders of any governmental/local authority or any other cause or causes beyond their control."
23. Jurisdiction: This agreement shall be deemed to have been made in Jalandhar and shall be construed according to the laws of India and the performance by the Vendor of and act on his part herein contained shall be considered due in Jalandhar for the purpose of Jurisdiction.

In witness whereof the said contracting parties have set hands and seals on the day and year first herein above witness.

Witness

EMPLOYER

Witness

VENDOR

APPENDIX 'B'

TECHNICAL BID

MANDATORY TECHNICAL REQUIREMENT

(The tender of the vendor not fulfilling even one of the following requirements/ conditions will not be considered)

Part - I

1	Address of the Main/ Sub Office in Punjab / J&K		
2	Details of after sales service network/ centres.		
3	Telephone Numbers		
4	PAN No. (Enclose copy of PAN card)		
5.	Registration with sales tax department (Attach Prrof)		
6.	Registration with Service tax authority. (attach proof)		
7.	Details of works related to CCTVs /Fire and Security alarm system only undertaken during last five years		
8.	Latest Audited Balance Sheet		

Part - II

1	Name of the Firm		
2	Type of Firm (Attach necessary proof)		Sole proprietorship/ partnership/ Limited Company/ others



3	Year of establishment		
4	Address of Main office with telephone number/ FAX No.		
5	Number of technical staff available with the Firm at Punjab (give details)		
7	Whether on approved panel of any Government Department/ Public Sector Undertaking/ Banks (enclose respective proof) – not mandatory		
8	Whether any of the family members working with UCO Bank, if yes, give details.		

Seal

(Signature of the tenderer)

Date

APPENDIX 'C'

FINANCIAL BIDS

A) CCTV SYSTEM

Tender for Supply, Installation and Maintenance of CCTV System at our Branches & ATMs

Sl. No.	Description of items	Qty	Unit rate (rs.)	Total cost
01	Supply of Col Dom IR Camera, HDCVI HDWISP, MIN 1 MP - DAHUA	01		
02	Supply of Col Bullet IR, DAHU HFWI100SP, MIN 1 MP	01		
03	Supply of Pin Hole camera analogue - DAHUA	01		
04	Supply of 4 Channel DVR, with 4 SATA PORT, DAHUA HCVR4404L-S2	01		
05	Supply of 8 Channel DVR, with 4 SATA PORT, DAHUA HCVR4408L-S2	01		
06	Supply of 16 Channel DVR, with 4 SATA PORT, DAHUA HCVR4416L-S2	01		
07	Supply of 16 Channel DVR, with 4 SATA PORT, DAHUA HCVR4432L-S2	01		
08	Supply of 4 Channel DVR, with 4 SATA PORT, DAHUA HCVR4432L-S2	01		
9	Supply of 1 TB surveillance HDD WD/SEGATE	01		
10	Supply of 2 TB surveillance HDD WD/ SEGATE	01		
11	Supply of 3 TB surveillance HDD WD/ SEGATE	01		
12	Supply of 4 TB surveillance HDD WD/ SEGATE	01		
13	Supply and laying of RJ45 3+1 copper cable	100 mtrs		
14.	SMPS 05 AMP 12 VOLT For 4 channel			
14.	SMPS 10 AMP 12 VOLT For 8 channel			
16	SMPS 20 AMP 12 VOLT For 16 channel			
17	Supply of 25 mm pvc conduit along with accessories in surface/ recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.	01 mtr		
18	Installation, testing and commissioning of the total system. This work includes every work and materials related to the job and training of branch functionaries in handling and operating of CCTV system. As this is a turnkey job complete in all respect. <u>hence no extra payment will be made on any account.</u>	One complete job		

19	Rate of buy back of our old system i.e. Old 4/8 channel PC based DVR with 500 GB HDD and 4 cameras 'as is where is basis'.	Rate of one set (DVR and 4 cameras)	(-)	(-)
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NOTE: ALL ABOVE MENTIONED ITEMS ARE TO BE SUPPLIED AS PER SPECIFICATION GIVEN IN ANNEXURE A AND INSTALLATION HAS TO BE COMPLETED AS PER REQUIREMENT OF EACH BRANCH AND INSTRUCTIONS GIVEN BY THE OFFICER IN-CHARGE. NET COST OF ONE BRANCH WILL BE CALCULATED ON THE BASES OF 4/8 CHANNEL DVR

Seal

(Signature of the Tenderer)

Date

APPENDIX 'C'

FINANCIAL BIDS

B) FIRE AND SECURITY ALARM

	Description	Qty	Rate	Total cost
1	Supply and installation of Integrated Alarm panel	1		
2	Battery	1		
3	Sensors			
(a)	Supply and installation of Magnetic	2		
(b)	Supply and installation of PIR sensor	2		
4	Switches			
(a)	Supply and installation of Panic wired	3		
(b)	Supply and installation of Remote (wired)	4		
5	Supply and installation of Hooter	2		
6.	Motorized siren	1		
6	Smoke Detectors, 65 series, Apollo	8		
7	Manual Call point	2		
8	Response indicator	2		
9	PVC Wiring (Rs per metre)	50 mtrs		
10	PVC Conduit (Rs per metre)	50 mtrs		
11	Armoured cable	50 mtrs		
11	Installation, testing and commissioning of the total system. This work includes every work and materials related to the job and training of branch functionaries in handling and operating of cctv system. As this is a turnkey job complete in all respect, hence no extra payment will be made on any account.	1 job		
12.	Rate of Buy back of our old burglary panel (Analogue)	1	(-)	(-)
	Tax			

Note :- final rate will be calculated on the basis of requirement of one branch

APPENDIX-'D'

TECHNICAL SPECIFICATION OF CCTV

SN	TECHNICAL SPECIFICATIONS FOR 4, 8, 16 & 32 CHANNEL DVR
1	OPERATING SYSTEM: LINUX/ WINDOW XP/ EMBEDDED MCU
2	DVR SHOULD BE SYSTEM EMBEDDED WITH H.264 VIDEO COMPRESSION ALGORITHM OR HIGHER
3	4/8/16 CHANNEL DVR 200/400 FPS-PAL OR HIGHER
4	SIMULTANEOUS VIEWING NETWORK RECORDING AND PLAYBACK FUNCTIONS
5	DISPLAY ONLINE RESOLUTION/ PREVIEW RESOLUTION 720*576 PAL
6	MULTIPLE VIEWING OPTION (VGA/BNC)
7	VIDEO INPUT/LOOP OUTPUT: 4/4, 8/8, & 16/16 32/32 OR HIGHER
8	VIDEO OUTPUT: 1 COMPOSITE, 1 S-VIDEO, 1 VGA, 1 SPOT
9	AUDIO IN/OUT: 4/1, 8/1 & 16/1-2
10	RECORDING RATE: PAL: REAL TIME (25 FPS PER CHANNEL), 4CIF-DI WITH ALL CHANNELS RECORDING AND PLAYBACK BOTH
11	SYSTEM SHOULD BE ROBUST AND CAPABLE OF WORKING IN 24*7 ENVIRONMENT
12	SYSTEM SHOULD BE SCALEABLE/UPGRADEABLE
13	STORAGE MEDIA: BUILT IN RECORDING UP TO 90 DAYS IN REAL TIME (25 FPS PER CHANNEL)
14	PROVISION FOR MINIMUM 4 SATA SLOTS FOR 3 HDD+DVD-RW (EACH SATA SLOT SHOULD BE OF MINIMUM 2TB HDD CAPACITY) OR HIGHER
15	DATA STORAGE FOR 90 DAYS. DATA RECYCLING ON FIFO BASIS
16	NETWORK INTERFACE: ETHERNET (RG-45, 10/100 BASE-TX), EXTERNAL MODEL VIO RS-232
17	SUPPORT MULTI ZONE MOTION DETECTION
18	SUPPORT MULTI LEVEL PASSWORD FOR OPERATION, SET UP AND REMOTE ACCESS
19	SUPPORT WATERPROOF MARKING TO ENSURE TAMPER PROOF RECORDING OF IMAGES
20	SUPPORT TAMPERING DETECTION, ALARM FUNCTION TO INDICATE TAMPERING OF DVR/ CAMERAS. VISUAL INDICATION FOR LOCAL FAULTS, DISC FULL, MALFUNCTION ETC.
21	SUPPORT VIDEO SIGNAL LOSS ALARM. SYSTEM SHOULD DO HEALTH CHECKING OF ALL CAMERAS

22	SUPPORT POSITION CONFIGURABLE TO OSD AND LOGO
23	SUPPORT REAL TIME AND MOTION BASED RECORDING
24	SUPPORT HDD SLEEP MODE
25	SUPPORT FAT 32 FILE SYSTEM
26	SUPPORT USB FLASH DISH, USB, DVD -RW FOR BACK UP WITH BUILT IN DVD-RW
27	SUPPORT PLAYBACK IN VARIOUS MODES- FAST, SLOW, PAUSE, FORWARD, BACKWARD, FRAME-BY-FRAME ETC
28	SUPPORT TCP, UTP, RTP, PPPOE, MULTICAST, DHCP ETC.
29	PROVISION FOR ADSL, PSTN, LEASED LINE, BROAD BAND
30	REMOTE PLAYBACK, DOWNLOAD THE RECORDED FILES IN DVR
31	REMOTE VIEWING THROUGH MOBILE PHONES/AND THROUGH ANY OTHER PC WITH IP
32	SYSTEM SHOULD HAVE FILE PLAYER SOFTWARE SO THAT BACKUP CAN BE AUTO PLAYED ON ANY PC USING WINDOWS MEDIA PLAYER
33	VENDOR SHOULD PROVIDE CENTRAL MONITORING STATION (CMS) SOFTWARE FREE OF COST AND THIS SOFTWARE SHOULD BE COMPATIBLE WITH CMS SOFTWARE OF THIRD PARTY AS WELL
34	POWER AC-100/240V & 50/60HZ.
35	DVR HOUSING WITH WALL MOUNTING BRACKET AND TAMPERPROOF LOCKING ARRANGEMENT
36	SYSTEM SHOULD CARRY UL/FCC/CE CERTIFICATION
	TECHNICAL SPECIFICATIONS FOR CAMERAS
1	CAMERA DOME- WITH 1/3 INCH COLOUR CCD, MINIMUM RESOLUTION 540 TV LINES & 3.6 MM LENS OF 0.35 LUX OR BETTER OR HD
2	CAMERA IR- IR WEATHERPROOF BULLET COLOUR CAMERA WITH 1/3 INCH COLOR CCD, MINIMUM 540 TV LINES, MINIMUM 24 LEDS & 6.0 MM LENS
3	C MOUNT CAMERA- 1/3 INCH CCD DAY AND NIGHT COLOUR CAMERA, RESOLUTION MINIMUM 540 TV LINES VAIRFOCAL LENS 2.8 MM TO 10 MM, 0.2 LUX AUTO LENS AWB, BLC, AGC SWITCH SETTING ADJUSTABLE FACILITY
	NOTE: ALL CAMERAS SHOULD CARRY UL/FCC/CE CERTIFICATION AND ARE TO BE SUPPLIED WITH ASSOCIATED MOUNTING BRACKET AND HOUSING
	TECHNICAL SPECIFICATIONS FOR MONITOR
1	TFT 19INCH/ 15 INCH / 10 INCH



	TECHNICAL SPECIFICATIONS FOR CABLING
1	RG 6 VIDEO COAXIAL CABLE TWO CORE 14X36 POWER CABLE IN 1" PVC CONDUIT (BIS APPROVED)

TECHNICAL SPECIFICATION OF FIRE AND SECURITY ALARM

Sl. No.	Technical Specification Compliance for Fire and Electronic intruder Alarm System (Component and Description of Specification)	Compliance Yes/No
	CONTROL PANEL	
1	LCD based minimum 12+1 fully programmable zone control panel with built in GSM speech dialer with automatic arming and disarming with remote access through telephone with wireless module for wireless panic switch. Compatible with motorised siren.	
2	Microcontroller based	
3	Minimum 12+1 zones	
4	Inbuilt GSM based speech and SMS dial up	
5	Minimum 12 zones programmable as delay, immediate, panic or fire	
6	One tamper zone	
7	Separate remote key pad with 12X4 LCD display or more	
8	Separate zone for fire detection and provision for connection of fire alarm system	
9	Separate main control station for connection terminals and power supply units	
10	Automatic arming and disarming facility	
11	Can be operated through mobile and telephone line	
12	Electrical devises can also be switched on or off through remote key pad	
13	Built in battery backup	
14	Zone omitting facility	
15	Silent arming and night mode arming	
16	Intrusion lock with time and date	
17	Power failure indication	
18	Blown fuse indication on LCD display on LED blinking on panel	
19	Multiple sounder output	
20	Distinct interrupted sounder output for fire alarm	
21	Battery strength display with audio indication in case of low battery	
22	GSM signal strength display	

23	Walk test mode	
24	Individual zone status is indicated in display	
25	Independent entry delay time 2 to 240 sec	
26	Independent exit delay time 2 to 240 sec	
27	Sounder time 2 to 20 minutes and multiple sounder outputs	
28	Speaker wire cut detection for all sensors and hooters and speakers	
29	Support combination of hooters and speakers	
30	Battery backup for 36 hours	
31	Automatic switch off to battery in case of AC power failure	
32	Automatic battery charging once the AC power is restored	
33	ERTL certified.	
Sl. No	<u>SMOKE SENSOR & HEAT SENSOR</u>	
1	Automatic Drift compensation	
2	Dust tolerant chamber provides optimum detection performance and minimal nuisance alarm between maintenance visit	
3	Multifunction handheld remote programming and test tool	
4	Sensitivity remotely programmable	
5	Digital addressing capability	
6	Remotely implemented advance maintenance features	
	Read and write last maintenance date	
	Read chamber contamination level	
	Read thermal element value alarm test	
7	Selectable blink/no blink LED option via hand held tool	
8	Photoelectric multi-criteria photo-thermal with 58 degree C and 78degree C fixed and rate of raise thermal detector	
9	8 to 30 VDC operating range enable operation in both fire and security system	
10	-30 to +70 degree C operating temperature range	
11	Multi-functional alarm – normal bio colour LED indicator	
12	EN 54 certified	
13	Make	

Sl. No	<u>AUTOMATIC TELEPHONE DIALER & BUILT IN VOICE & SMS GSM DIALER</u>	
1	GSM speech & SMS dialer	
2	Microcontroller base	
3	2 speech / voice messages	

4	Separate intuition message	
5	Minimum 10 programmable phone numbers up to 12 digits for intuition and fire message	
6	20 sec recording time for each message	
7	Alarm SMS with alarm type, zone number with time and date information	
8	System status SMS for arm and disarm	
9	Power status SMS for AC power on and off, low battery	
10	User editable name and address for alarm SMS	
11	Message playback, telephone no editing facility, long volatile memory	
12	Retention of programmed data in case of power failure	
13	Highest priority for condition dialing and silent alarming	
SL NO	TECHNICAL SPECIFICATIONS	
	ELECTRICAL	
1	Quiescent current: 30 mA Max.	
2	Quiescent current with backlit LCD: 90 mA Max.	
3	MAIN CONTROL STATION WITH ONE REMOTE KEY PAD	
4	Quiescent current: 300 mA	
5	Quiescent current with backlit LCD: 360 mA	
6	Current with dialing: 530 mA Max.	
7	Maximum sounder 1 current output : 1A	
8	Maximum sounder 2 current output : 1A	
9	Remote key pads : Up to three	
10	Non-volatile Memory : Programming and Log	
11	Zone response time : <500ms	
12	Zone Loop Resistance : <5k ohm for NORMALLY CLOSED	
13	Mains supply Voltage : 220+10%-15% 50Hz	
14	Total current Output: 2A at 220V AC or 4A at 220V AC	
15	Battery Voltage : 12V DC	
16	Battery type : SMF Rechargeable	
17	Battery Recharge Voltage: 13.8V +/-0.2V DC	
18	ENVIRONMENTAL	
19	Operating Temperature: 0C to 45C	
20	Storage Temperature: -20C to 60C	
21	Maximum humidity: 95% non-condensing	

SI No.	MAGNETIC CONTACT SENSOR	
1	Operating Gap: 15MM min	
2	Contact Rating: 10W, 12/24VDC, 0.5A	
3	Contact O/P : Normally Closed	
4	4 wire temper loop	
SI No.	PIR SENSOR	
1	Dual Element Pyroelectric sensor	
2	Latest Technology Digital Signal Processor (DSP)	
3	Pet Immunity up to 25 kg.	
4	Detection Range 15m	
5	Detection angle 110°	
6	Sealed optics	
7	Excellent RFI and EMI Immunity	
8	Selectable Pulse Count	
9	Walk Test	
10	Detection range: 15m, 110°	
11	RFI Immunity: Ave. 20V/m (10~1000MHz)	
12	Power Supply: 9 ~ 16V DC, 12V Typical	
13	Current Consumption: 20mA, 12V DC	
14	Alarm Output: NC/NO 30V DC, 0.2A max.	
15	Alarm Duration: 2 seconds	
16	Pulse Count: Single/Double	
17	Tamper Switch: Cover Open activation	
18	Operating Temperature: 0° to 50° Celsius	

19	Walk Test LED: Red, can disable	
20	Temperature: Automatic using	
21	Compensation: NTC thermistor	
22	Detection Speed: 0.3 to 1 m/s	
23	Reverse Polarity Protection: Through Diode	
SI No.	PANIC SWITCH	
1	Automatic reset (no key required)	
2	Micro switch technology	
3	In-built tamper switch	
4	Contact O/P: NORMALLY CLOSED	
5	Technology: micro-switch with roller	
6	Tamper Switch: installed	
SI No.	HOOTER	
1	High power 130 db	
2	4 wired (with tamper loop)	
3	Low current consumption	
4	Available in 12V DC and 24V DC	
5	Available in multiple tones	
6	Weatherproof housing	
7.	Motorised Siren, dual siren, for 3 Kms sound	
	ARMoured CABLE	
1	2 * 1.5 sq mm copper armoured cable ISI mark.	

SPECIAL TERMS AND CONDITIONS

1. Successful tenderers should have local representative office in Punjab/ Chandigarh for post installation services. The Vendor is to give complete address, telephone number along with technical personnel available with them for this work.
2. Tendering Firm has to submit a certificate from the manufacturers along with technical specifications that they are the authorised agents for the sale and service of their product and manufacturer undertakes to support the after sales service of the product.
3. Tenderer will have to essentially mention the name of the Company whose product is to be supplied and the country of origin of the product along with the technical specifications. They will also have to submit certificate in respect of the country of origin.
4. All products will stand for minimum one year on site all comprehensive warranty against all manufacturing defects. During the warranty period the Vendor shall have to provide quarterly preventive service calls and shall have to attend to all break-down calls within 24 hours in Punjab and within 48 Hours in J&K.
5. Tenderer will have to submit a certificate from the manufacturer that the spare parts for the supplied product will be available for after sales service.
6. The Tenderers will have to submit documentary evidences confirming Registration with Sales Tax & Service Tax.

APPENDIX – 'G'

GENERAL TERMS AND CONDITIONS

1. Tender document fees is non refundable. However, Earnest money shall be adjusted against the security deposit in case of the successful bidder. EM in case of the the rest of the bidders will be given back after completion of tender process.
2. The Tenderer has to submit his acceptance of the work order within 10 days from the date of receipt of information from the Bank. In case the successful tenderer fails to undertake the work, the earnest money deposited by them will be forfeited and acceptance of their tender will be withdrawn.
3. The rates quoted by the tenderer should be inclusive of all charges for scaffolding, lift, any other tools and plants, railway/ road freight, labour conditions and fluctuations in the rates, excise duty, sales tax, octroi and any other taxes or expenditure for carrying out the employment.
4. No escalation in rates will be allowed under any circumstances.
5. The successful tenderer will be bound to carry out the entire work within the stipulated time as mentioned in the work order. The Contractor shall have to pay liquidated damages for non completion of the job within the stipulated period @ Rs. 500/- per day, per branch after the expiry of the period of completion subject to maximum of 10% of the contract value.
6. The liquidity damages as mentioned above may not be enforced if the contractor applies for extension of time mentioning the reasons for such extension. Bank may grant such extension in case it is found that the contractor is not at fault for extending the work beyond the stipulated date of completion.
7. The successful tenderer will be bound to carry out items of work necessary for completion of the job even though the same is not included in the Bill of Quantity. Rates for the extra work, if any, shall be derived from the tender. In case the same has not been included in the tender, then the same will be worked out on the prevailing market cost of the materials and labour, including wastage plus 15% towards tax and contractor's profit.
8. The Tenderer shall remove all malba etc. wash and clean the floors at their own cost and hand over the site in proper manner on completion of the work.
9. Security deposit @ 10% (including earnest money) of the value of work done shall be deducted from the running bills of the contractor and shall be retained for the defect liability period of one year from the date of completion of the work. This amount shall be released without interest after the defect liability period is over and provided no defects are noticed during this period.

10. The Tenderer shall attend to all the defects noticed during the defect liability period. If the contractor fails to attend the defects, Bank will rectify these defects and the expenditure incurred on this account will be recovered from security deposit/ pending dues to them.
11. The Tenderer shall make adequate arrangement for Watch and Ward of his materials and shall ensure safety, breakage and any theft of materials fixed or unfixed by them.
12. The work executed should be got approved by the Bank and the Tenderer shall rectify any bad workmanship pointed out at any stage and remove from site all the rejected materials immediately.
13. The Tenderer shall be responsible for application of labour laws, compensation for injury and accident to person, whether employed by them or by their sub-contractor(s).
14. The Tenderer shall ensure that no damage is caused to Bank's property/ or any decorative structure/fittings, while carrying out the work. The Tenderer will have to rectify / make good such damages at their cost.
15. The Tenderer shall ensure that the workmen employed by them for execution of the work are suitably covered against Workmens' Compensation Act, ESI and other legislative enactments applicable for such works and the Bank shall be liable for payment of any compensation etc in this regard.
16. The work shall be carried out as per Bank's instructions and the work which creates noise/ disturbances are to be carried out during non-office hours and no extra payment shall be made on this account.
17. The Tenderer shall give due notice to the Bank to check the measurements of any work, which is likely to be hidden before covering the same.
18. In case, there is delay in the completion of the work or removable of the defects in time, Bank shall be free to engage another agency to get the job done at Tenderer's risk and cost.
19. Statutory deductions like income tax and other applicable taxes shall be deducted at source from each payment of the Tenderer.
20. The date of commencement of the work will be the date of award letter plus seven days.
21. The date of completion of the work will be the time specified for the completion of the work and handing over of the site to the Bank.
22. Defect liability period is one year from the date of completion of the work and handing over of site to Bank.
23. The payment for wiring will be made on the basis of the actual measurements. The Tenderer will not deviate from the type of wire mentioned in the Bill of Quantity without Bank's permission in writing.

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24. In case the delay in completion of the work pertains to the Bank, Bank will grant extension of time for completion of the work and the Tenderer shall not make any claim for compensation or damages in relation thereof.
 25. The Bank has the right to alter the nature of work and to add or omit any item of work or has the right to get the same carried out departmentally or otherwise and such alterations shall be carried out without prejudice to the Tenderer.
 26. The Bank has the right to terminate the contract, if the Tenderer abandons the work or fails to commence and complete the work in time, or fails to abide by the contract conditions.
 27. The Bank is not bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever. Conditional tenders are liable to be rejected.
 28. No interim payment will be made.
 29. Full and final payment shall be made after successful completion of the work and after adjustment of deductions mentioned hereinabove and deduction of TDS etc.