



**UCO Bank
ZONAL OFFICE
Ahmedabad**

Empanelment of Vendor/Service provider for Non Comprehensive Annual Maintenance Contract (AMC) & installation – CCTV, Digital Fire cum Burglary Alarm System & Fire Extinguishers (new & refilling)

Applications are invited from bonafide vendors/service providers for Comprehensive Annual Maintenance Contract & installations of new CCTV, Digital Fire cum Burglary Alarm System, supply and refilling of existing fire extinguishers in all branches/offices in Ahmedabad Zone on rate contract basis.

General Instruction for guidance of applicants in respect of empanelment of contractors:

1. Applicants for empanelment in a trade should have at least three years experiences in execution of similar work in Banks / Govt. / Public Sector / reputed private sector organizations in respective trades.
2. Vendors/service providers applying for above items should have successfully executed at least two similar works in the relevant trade at least up to 75% of the quoted limit during last five year.
3. Financial bid/rates should be provided in separate sealed cover on letter head of the firm.
4. Average annual turnover for last three years.
5. The applicants should have their office / establishment at Ahmedabad & the vendor/service provider has to provide services in all our branches/offices under Ahmedabad Zone.
6. Vendors/Service providers applying for the trade of **CCTV, Digital Fire cum Burglary Alarm System & Fire Extinguishers** should possess the valid licenses in the name of the firm or employee of the firm. Photocopy of such license should be submitted with the application.
7. The Bank reserves the right to visit the establishment / workshop of applicants of any trade before finalization of empanelment.
8. The Bank reserves the right to accept or reject any application without assigning any reason thereof. Bank is also having exclusive right to de-panel any vendor/service provider without assigning any reason & information thereof.
9. The existing empanelled vendors/service providers (if any) of the Bank need to apply afresh for empanelment against this notification.
10. Bank reserves the right to call for report from the existing clients of the applicant if required.
11. Successful bidder/vendor has to execute an agreement with the bank & also provide performance Bank guarantee i.e. 10.00% of total cost of the project for the said AMC.
12. **Tenders can submit at our Zonal office at 7th Floor, UCO Bhavan, Near Sanyas Ashram, Ashram Road, Ahmedabad – 380009 (Guj.)** Sealed envelopes containing the application and superscribing the name **"Application for Non Comprehensive Annual Maintenance**

Contract (AMC) – CCTV, Digital Fire cum Burglary Alarm System & Fire Extinguishers” should be submitted to the **Zonal Manager, UCO Bank, Zonal Office, 7th Floor, UCO Bhavan, Near Sanyas Ashram, Ashram Road, Ahmedabad – 380009 (Guj.)** latest by **03:30 PM** on **05.01.2019**, along with the following documents / papers:

- The list of similar work executed in last five years in Bank's / Govt. Departments / Public Sector Organizations / Reputed private Sector Organizations along with completion certificates / Purchase Order / Work Order mentioning therein the details of work value & date of completion. (As per annexure – IV & V).
- Copies of PAN card, GST registration certificate, Service Tax certificate, Trade Licence and any other registration certificates/licences, as may be necessary, as per Rules of local Statutory Authorities.
- Audited account and Balance Sheet for last three years for financial category.
- Total Annual Turnover in last three years for all trades.
- Name and Address of Bankers with solvency certificate.
- Key personnel permanently employed (as per annexure – VI).

SCOPE OF WORK

CCTV, Digital Fire cum Burglary Alarm System & Fire Extinguishers (new & refilling of existing)

- In case of system problem like as machine hanging, slow speed, software's virus problem, failure of Hard Disc drives, Cameras, Cable, DVR, Monitor, Alarm Panel, PIR, Hooter, Magnetic Sensor, Push Button etc, in this circumstances the empanelled vendor will be part to give the better service to us immediately.
- You will be provided preventive maintenance Services in every month and in case if branches are lodging complaint/information given over telephone & email, in such cases the vendor has to rectify the problem within 24 hours without fail.
- The vendor has to provide standby devise immediately to the branches, in case of device failure and repairable at service centre.
- At the time of branch visit, your service provider must carry Identity card which is provided by your company.
- Bank will not pay any extra charges for requirement of short CCTV footage but bank will pay for the device of keeping the CCTV footage i.e. CD, DVD & pen drive for keeping of recording.
- This AMC of CCTV system will be covered entire system of Ahmedabad zone i.e. 65 branches (8 channels) & 01 Zonal office (32 Channel).
- The AMC of Fire cum burglary alarm system will be covered all the attached ATMS.
- You are advised to submit the rate quotations in different sealed covers for all the existing CCTV & Fire cum Burglary Alarm System, Fire Extinguishers (new & refilling of existing).
- You have to guide regarding handling of fire extinguishers related information at the time of your visit to the branches/offices.

Annexure - I

PARTICULARS TO BE FURNISHED FOR EMPANELMENT OF VENDORS/SERVICE PROVIDERS COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (AMC) & INSTALLATION OF NEW CCTV, DIGITAL FIRE CUM BURGLARY ALARM SYSTEM & FIRE EXTINGUISHERS (NEW & REFILLING)

1. Name of Company / Firm:
2. Registered Address of the Company with Telephone No., FAX & E-mail ID:
3. Address of the company in Ahmedabad with Telephone No., FAX & E-mail ID:
4. Year of Establishment:
5. Status of the Company (whether Proprietary / private Ltd. / Public Limited/ Co-operative Society / Public Sector / Autonomous body / Govt. Department):
6. Name of the Proprietor / Directors / Partners / Controlling body:
 - i)
 - ii)
 - iii)
7. Whether registered with the Registrar of Companies / Registrar of Firms / Registrar of Co-operative societies. If so, please mention the number of such registration and date:
8. a) Name and Address of Bankers:
 - i)
 - ii)
 - iii)

b) Enclose Solvency certificate from at least one Banker in a sealed envelope marked confidential.

9. Whether registered for GST. If so, please mention the GST registration number and furnish a copy of such registration certificate:

10. Whether registered for VAT/Service tax. If so, please mention the VAT/Service tax registration number and furnish a copy of such registration certificate:

11. Whether an assessee of Income Tax. If so, please mention the Permanent Account Number:

12. Furnish copies of audited Balance Sheet with Profit & Loss account for last three Years.

	<u>2015 -16</u>	<u>2016-17</u>	<u>2017 -18</u>
:			

13. Whether empanelled with other PSU Banks / Govt. Deptts. / PSUs / Autonomous bodies. If so, please furnish the following particulars:

<u>Name of the Organisation / Institution</u>	<u>Trade/Services</u>	<u>Date of Empanelment</u>	<u>Validity</u>	<u>Financial</u>
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14. Furnish the names of three responsible persons who will be in a position to certify about the quality as well as past performance of your organization

i)

ii)

iii)

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

Date:

Signature of Applicant
(Seal)

Annexure – IV

1. Detailed Particulars for the works done in past five years:

<u>Name of organization</u>	<u>Name of work</u>	<u>Value of work completed</u>	<u>Compliance of</u> <u>Stipulated</u> <u>Completion</u> <u>time</u>
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(Furnish photocopies of credentials)

Annexure - V

Particulars in respect of work executed

Sr. No.	Name of work/Project with address	Short description of work executed	Name & address of owner	Value of work executed	Stipulated time of completion	Actual time of completion

Annexure - VI

Key personnel permanently employed/Technician & deployment area

Sr. No.	Name	Designation	Qualification	Experience	Years with the firm	Any other

Descriptions: -

SI	Product Name	Qty.	Rate per unit in Rs.
1	8 Channel Hybrid DVR, 3 MP Supported, 4 SATA Port, Metal Body MAKE: DAHUVA OR HIKVISION	1	
2.	Power Supply to support 4 Cameras	1	
3.	Power Supply to support 8 Cameras	1	
4.	2 MP IR Dome Cameras (HD/CVI/TVI/Analog) MAKE; DAHUVA OR HIKVISION	1	
5.	2 MP IR Bullet Cameras (HD/CVI/TVI/Analog) MAKE; DAHUVA OR HIKVISION	1	
6.	Surveillance Hard Disk-2TB (WD/Seagate)	1	
7.	Surveillance Hard Disk-4TB (WD/Seagate)	1	
8.	18'5" LED Monitor –LG/Samsung	1	
9.	DVR Rack Small (For 4 Ch DVR)	1	
10.	DVR Rack Big (For 8 Ch DVR)	1	
11.	3+1 CCTV cable and PVC Conduit – Per Mtr.	1	
12.	RG 6 coaxial wire and PVC Conduit – per mtr	1	
13.	Two Core wire and PVC Conduit – per mtr.	1	
14.	Installation Charge	1	
15.	VGA Cable 10 Mtr.	1	
16.	LCD Monitor wall mounted stand	1	
17.	Wireless mouse (iball/Logitech)	1	
18.	Non Comprehensive Annual Service Charges for existing CCTV System (For mandatory quarterly visit)	Per branch	
19.	CCTV backup & CD making charges as per branch requirement.	Per branch	
		TOTAL	

FIRE EXTINGUISHERS - NEW

Type	Rate (in Rs.)
ABC Type – 6 KG	
Modular – 5 KG	
W/CO 2 – 9 Ltr (Store Pressure)	
CO 2 – 4.5 KG	
CO2 – 2 KG	
ABC – 1 KG	

FIRE EXTINGUISHERS – REFILLING

Type	Rate (in Rs.) per unit
ABC type – 4KG	
ABC type – 5KG	
ABC type – 6KG	
Modular – 5 KG	
W/CO2 – 9 Ltr (Store Pressure)	
CO 2 – 4.5 KG	
CO2 – 2 KG	
ABC – 1 KG	

DIGITAL FIRE & ELECTRONIC ALARM SYSTEM

GENERAL

The fire and electronic alarm system consists of control panel which is wired to various sensors like magnetic contact switch, vibration sensors, smoke sensors, heat sensors, panic switches and PIR sensors etc. The type and number of sensors to be used depends on the size of area to be protected and the location of possible intrusion.

The control panel takes the decision of an alarm condition after getting the signal from the various sensors. The control panel has capability to interface with the external devices like motorized sirens / hooters or the observation system lights etc. The entire system operation is fully automatic under microprocessor technology. The daily operations, user merely needs to just arm and disarm the system by turning a mechanical key/electronic switch.

The system shall be Electronic Regional Laboratory certified.

The control panel

The fire and electronic alarm system control panel is the heart of the entire security system. It shall monitor all system sensors and control alarm conditions. The control panel shall have various visual indications on the front panels by LEDs. If the alarm condition occurs the control panel should display which sensor caused alarm. The panel should also display the mode of operation system i.e. arm / disarm.

Control panel should have 12 V - 7 Amp/ hrs automatically rechargeable sealed maintenance free batteries. The control panel should have electronic switch / mechanical key for performing day to day operation i.e., day mode and night mode.

Control panel should be LCD based 16+1 fully programmable zone control panel with built in GSM, speech dialer with automatic arming and disarming and remote access through telephones. The control panel should be microcontroller based 16 zones programmable as delay, immediate, panic or fire along with one temper zone. The system should have separate remote key pad with 16X4 LCD display. There should be separate zone for fire detection. The system should be programmable for the no. of seconds after which the panel response. Automatic bypassing immediate and 24 hours active zone facility. Panel can be armed and disarmed by telephone. Code can be changed through telephone. Any 8 electrical devices can be switched on or switched off through telephone.

3. Panic Switch

Panic switch should be either hand operated or foot operated. In case of any threatening from the intruder / miscreants or to alert the people around the switch can be operated by pressure of hand/foot.

4. Smoke Detector

The photo thermal smoke sensor range gives protection against both slow and fast developing fire and is an environmentally acceptable alternative to an ionization detector. It is a true multi criteria unit. The output level from both the optical chamber and the thermistor are continually monitored by the on board processor, using algorithms developed specially for the unit. An alarm signal is only enabled in the detector once the processor is satisfied that an incipient fire has been detected. By using a combination of inputs the incidents of nuisance alarm is reduced while at the same time the response time to an actual fire is also improved. The system should have been designed to be highly tolerant to the long term build up of the dust and other airborne contaminants. The detector system shall have features like automatic drift compensation and alarm sensitivity adjustment.

5. Heat Detector

A heat detector is a fire alarm device designed to respond when the convected thermal energy of a fire increases the temperature of a heat sensitive element. The thermal mass and conductivity of the element regulate the rate flow of heat into the element. All heat detectors have this thermal lag. Heat detectors have two main classifications of operation, "rate-of-rise" and "fixed temperature."

6. PIR Sensor

PIR sensor should be dual element pyroelectric sensor with latest technology digital signal processor (DSP). PIR should have pet immunity up to 25 Kg. Detection range of PIR should be 15 mts with 110 degree angle. The PIR sensor should have the sealed optics and selectable pulse count and excellent RFI and EMI immunity. Activation of PIR sensor will be just through walk test.

Output Device

1. Hooter

Hooter is the external device like multi tone electronic sounder can be connected to the control panel. Minimum 8 different tones shall be programmable using DIP switches. The hooter shall have a sound pressure level of 100 dB approximately, IP 54 environmental protection. The hooter activates in alarm condition. Maximum of 2 speakers or their combination can be hooked to the system. Individual hooter must be of 4 ohm impedance.

Features

- Arm and disarm mode
- Easy for operation just by mechanical key/electronic switch
- Battery backup for 36 hours
- Automatic switchover to battery in case of AC power failure
- Automatic battery charging once the AC power is restored
- Low battery indication
- Audio-visual alarm indication
- Different tones for fire and intruder alarm conditions
- Selectable delay time
- Close end circuits
- Speaker wire cut detection for all sensors and hooters/speakers/siren
- Supports combination of hooters/speakers/siren
- Open/short circuit detection on fire zones by audio-visual indication
- Provision for interface with automatic telephone dialer/observation system etc. that to separately for fire and intruder alarm condition
- ERTL certified

Input Devices

1. Magnetic contact switch

Magnetic contact switch consists of two parts. One consists of magnet and other contains the reed switch. The magnet is mounted on the door (which moves) since no wire connections are required for connecting magnet. The reed switch part is mounted on the door frame where the wire connections are made. When the door is near the frame i.e., the door is closed the reed switch activates. When the door is opened the reed switch deactivates. The deactivation breaks the reed switch contact which is detected by the control panel. Generally the range of the door sensor is $\frac{1}{2}$ inch.

2. Vibration Sensor

The vibration sensor detects vibration since the contact inside the sensor break due to vibration. When the sensor is mounted on the walls/doors/windows any attempt to break, will be detected by the sensor. Please note that if vibration detectors are to be connected they must be connected in 24 hours zone.

2. Motorized siren

Motorized siren should be heavy duty and robust to withstand humidity and heat. It should be in suitable protective cage. It should be connected with the main control panel and direct electrical line. The control panel will activate the connection of motorized siren with electricity. The sound of motorized siren should travel 1 Km in ambient noise condition.

3. Automatic telephone dial up

ATD require to dial pre-programmed telephone number on receipt of the trigger inputs by alarm system. It should work on GSM and also be capable of sending pre-coded / recorded SMS on mobile. The features of ATD should be as follows:

- a. Tone and pulse dialing mode
- b. 10 programmable phone nos. up to 12 digit
- c. 2 separate messages for 2 different inputs like intruder and fire alarm
- d. Verification by playback recorded messages during programming
- e. Provision of parallel telephone instruments / GSM SIM
- f. Provision of programming from parallel telephone instruments as well as remote telephone instruments / mobile phone
- g. Ring detection before connecting to ATD
- h. Programmable password for entering mode
- i. Retention of programmed data in case of power failure
- j. Highest priority for condition dialing

Technical Specification

Sl. No.	Technical Specification Compliance for Fire and Electronic intruder Alarm System (Component and Description of Specification)	Compliance Yes/No
	<u>CONTROL PANEL</u>	
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	
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 upto 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	

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