

अंकाZO/BWN/ सा.प्र/GAD/SEC/2019-20/176

दिनांक Date:19.06.2019

To,

Dear Sir,

**Re:Tender for Comprehensive AMC of Existing Digital alarm system at Paschim Burdwan,Bankura & Purulia District And Installation of Digital alarm system for New Branch.**

Please find enclosed herewith tender for Comprehensive AMC of Existing Digital alarm system at Paschim Burdwan,Bankura & Purulia District and Installation of Digital alarm system for New Branch with other terms and conditions including the scope of work.

You are requested to submit sealed tender along with earnest money of Rs. 10,000/- in the form of Managers' Cheque/Banker's cheque/Demand Draft drawn in favour of "**UCO Bank, Zonal Office ,Burdwan**". This tender is to be submitted in three separate envelopes and must be super-scribed as detailed below: -

Envelop No. 1: EMD (Earnest Money Deposit)

Envelop No. 2: Technical Bid

Envelop No. 3: Financial bid

Bids in three separate envelopes duly signed, stamped and sealed should reach the General Administration Department, UCO Bank, Zonal Office, S.R.Complex (1st Floor), G.T. Road, Police Line Bazar- 713103 on or before 30th June 2019 upto 1500 hours by hand or post. The Technical Bids will be opened on 01.7.2019 and the Financial Bids will be opened subject to verification of the envelopes No. 1 & 2. The date and time of opening of Financial Bids will be intimated at a later date by email or telephone.

Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reasons, whatsoever.

Firm/Co have not Black listed or negative notice or barred by any of the Government department/Public sector unit/public sector banks or financial Institute in last 5 years.

The unsealed tenders and the tenders not accompanied with EMD will be rejected out rightly.

Yours faithfully,

Dy.Zonal Head

**Enclo: as above**

## NOTICE INVITING TENDER.

Zonal Office, UCO Bank, GAD, S.R.Complex (1st Floor), Police Line Bazar, G.T.Road, Burdwan – 713 103 , invites sealed tender for:

(a) Comprehensive AMC of existing Digital fire cum Burglary Alarm system Servicing at the Branches / offices in the State of West Bengal three district i.e Burdwan (West), Bankura and Purulia District and (b) for Supply/ Installation of New Digital fire cum Burglary Alarm system as when required for new opening branches from the dealers fulfilling mandatory conditions/ requirements.

1. Must have the main office / sub office / well established Service Workshop at Burdwan. Preference will be given to Firms having their set-up in the Purulia/Asansol/Bankura Distt. of West Bengal. Give postal address and landline contact number.
2. PAN No. & GST No.
3. Income Tax Clearance/ having filed Income Tax Returns for last 3 years
4. Aggregate work orders of Rs. 5 lacs during the last three years.

N.B. Relative documentary proof in respect of the above requirements must accompany the Tender.

The Vendors fulfilling the above conditions may apply in two bid system i.e. Technical Bid and Financial Bid.

Interested Vendors will have to submit a DD/ Banker Cheque for Rs. 10,000/- payable at Burdwan favouring UCO Bank towards earnest money. Vendors may submit the tenders only in the desired format in two envelopes as explained further, so as to reach this Office by 1500 Hours on 30th June 2019. Submission of tenders in any other format will not be entertained and will be summarily rejected.

Note:

1. The earnest money deposit of all the unsuccessful bidders will be returned within a period of 30 days from the date of opening of the received tenders. However, in case of the lowest/ successful bidder backing out from the terms and conditions mentioned in the tender or refuses to honour his tender, the earnest money deposit will be forfeited.
2. Bank reserves the right to cancel one or all tenders without assigning any reason whatsoever.

The envelope for Technical Bid shall be superscribed “ **Tender for Comprehensive AMC of Digital alarm systems**” and shall contain the following-

1. Earnest money amount through DD/ Banker's Cheque for Rs. 10,000/- in favour of UCO Bank, payable at Burdwan.
2. Information as per the proforma “Mandatory Technical Requirement”
3. Information as per the proforma “General Technical Information”.

The envelope for Financial Bid shall be superscribed “ **Financial Bid for alarm systems**” and shall contain the following-

1. Rates for servicing/ repairs for comprehensive maintenance of the existing alarm system at the Branches.
2. Rates for supply/ installation of new Digital alarm system as per the package/ specification mentioned.

Sealed offers to be submitted upto 30th June 2019 upto 1500 Hours and the rates should be valid for a minimum period of 1 year from 30th June 2019 being the last date of submission of offer.

Dy. Zonal Head

**TECHNICAL BID – 1**

**MANDATORY TECHNICAL REQUIREMENT**

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

- 1 Address of the Main/ Sub Office in Burdwan(East/West) & preferably in the Bankura/Asansol/Purulia of west Bengal.
- 2 Details of after sales service network/ centres.
- 3 Telephone Numbers
- 4 PAN No. & GST NO.
- 5 Details of works related to Digital fire Cum Burglary alarm system only undertaken during the last five years (duly attested documentary evidences may be enclosed)

Seal

(Signature of the tenderer)

Date

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TECHNICAL BID – 2

GENERAL TECHNICAL INFORMATION

- 1 Name of the Firm
- 2 Type of Firm 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 ( give details)
- 6 Whether the Firm has ISO Certification, if yes, give details
- 7 Whether on approved panel of any Government Department/ Public Sector Undertaking/ Banks (enclose respective proof)
- 8 Whether any of the family members working with UCO Bank, if yes, give details.
9. Your have Black listed or negative notice by Public sector banks or any organization/Institutions

Seal

(Signature of the tenderer)

Date:

SELECTION OF VENDORS FOR DIGITAL FIRE CUM BURGLARY ALARM SYSTEM.

Applications are invited from vendors/Co for Comprehensive AMC of existing Digital alarm system at Paschim Burdwan, Bankura & Purulia District and Installation of Digital alarm system for New Branch with other terms and conditions including the scope of work.

- A) Comprehensive Annual Maintenance of digital Fire Cum Burglary alarm System at 38 Branches at Paschim Burdwan, Bankura & Purulia District, West Bengal
  - B) All Exist Digital Alarm system are wired
  - C) Installation of Digital alarm system for New Branch if require
1. Technical requirements of the equipment are given in Annexures I
  2. The application should be sent to the Dy. Zonal Head, UCO Bank, Zonal Office S.R. Complex, Police Line Bazar, Post-Sripally, Distt- Burdwan, W.B. - 713103 in a sealed cover
  3. Ability to service and maintain the system at our Branches in Paschim Burdwan, District at a notice of 24 hours and in our Branches in the West Bengal State of Bankura & Purulia within 48 hours notice are essential.
  4. Last date and time of receipt of application is 1500 hours on 30<sup>th</sup> June 2019.
  8. The Bank reserves the right to accept or reject any application without assigning any reason thereof.

Dy. Zonal Head,  
UCO Bank, Zonal Office,  
Burdwan

**PARAMETERS/SPECIFICATIONS FOR DIGITAL FIRE CUM BURGLARY ALARM  
SYSTEM (INTEGRATED 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 12+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.

**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

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UCO Bank, Zonal Office, GAD, S.R.Complex (1<sup>st</sup> Floor), Police Line Bazar, G.T.Road, Burdwan – 713 103

फोन Phone : 0342-2645272/2644073/2645024/06296371212 फैक्स Fax :0342-2647979 ई-मेल E-mail:

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- 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 ½ 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.

##### 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 signals is only enable 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 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 Devise

##### 1. Hooter

यूको बैंक, अंचल कार्यालय, सामान्य प्रशासन, एस.आर.कॉम्प्लेक्स (प्रथम तल), पुलिस लाईन बाजार, जी.टी.रोड, बर्धमान-713 103

UCO Bank, Zonal Office, GAD, S.R.Complex (1<sup>st</sup> Floor), Police Line Bazar, G.T.Road, Burdwan – 713 103

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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.

**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 Compliance by Firm/Vendor and Attach with technical Bid.

Sl. No.	(Component and Description of Specification)	Compliance Yes/No
	<b>CONTROL PANEL</b>	
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 devices 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.	
<b>Sl. No</b>	<b>SMOKE SENSOR &amp; HEAT SENSOR</b>	
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	

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	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	<b><u>AUTOMATIC TELEPHONE DIALER &amp; BUILT IN VOICE &amp; SMS GSM DIALER</u></b>	
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	<b>TECHNICAL SPECIFICATIONS</b>	
	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	

Seal :

(Signature of the tenderer)

Date:

**FINANCIAL BID FOR :**

**DIGITAL FIRE CUM BURGLARY ALARM SYSTEMS (IAS) AS PER BANK SPECIFICATION**

Sl	Item	Rate
1	<b><u>CONTROL PANEL AS PER BANK SPECIFICATION</u></b>	
2	Battery	
3	Sensors	
	(a) PIR (Make_____)	
	(b) Magnetic (Make_____)	
	(c) Heat (Make_____)	
	(d) Vibration (Make_____)	
	(e) Optical smoke Detector	
4	Switches	
	(a) Panic switch	
	(b) Foot switch	
	(c) Push button switch	
	(d) Remote switch	
5	Wiring with mention Company	
6	PVC(ISI Mark) Conduit with mention Company	
7	Hooter with make & model	
8	Siren with make & model	
09	Installation Charge	

Seal :

(Signature of the Tenderer)

Date:

FINANCIAL BID FOR:-

AMC FOR DIGITAL FIRE CUM BURGLARY ALARM SYSTEMS (IAS) AS PER BANK SPECIFICATION

Sl	Item	Rate
1	COPMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR EXISTING ALARM SYSTEM AT BANKURA, PURULIA & BURDWAN(EAST)BRANCHES IN DELHI (38 ALARM).RATE PER BRANCH/OFFICE FOR 4 (FOUR) MANDATORY VISITS- ONE PER QUARTER AND ANY OTHER BREAK-DOWN CALL(S) THAT HAS TO BE UNDERTAKEN WITHIN THE QUOTED RATES. (GST ETC IF ANY HAS TO BE MENTIONED CLEARLY)	
2	NON COPMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR EXISTING ALARM SYSTEM AT BANKURA, PURULIA & BURDWAN(EAST)BRANCHES IN DELHI (38 ALARM).RATE PER BRANCH/OFFICE FOR 4 (FOUR) MANDATORY VISITS- ONE PER QUARTER AND ANY OTHER BREAK-DOWN CALL(S) THAT HAS TO BE UNDERTAKEN WITHIN THE QUOTED RATES. (GST ETC IF ANY HAS TO BE MENTIONED CLEARLY)  (RATES OF SPARE PARTS TO BE QUOTED SEPARATELY)	
3	PAYMENT SCHEDULE (IF ANY HAS TO BE MENTIONED) NORMALLY OUR OFFICE MAKES PAYMENT OF QUARTERLY VISIT BILLS. BILLS HAVE TO BE SUBMITTED TO US ALONGWITH THE SERVICE CERTIFICATES FROM THE RESPECTIVE BRANCHES/OFFICES	

Seal :

(Signature of the Tenderer)

Date: