



RO/RAIP/ALARM/2021-22

30/04/2021

**CENTRAL BANK OF INDIA, RAIPUR REGIONAL OFFICE**

**REQUEST FOR QUOTATION (RFQ) FROM EMPANELLED VENDORS FOR BOTH SUPPLY, INSTALLATION, MAINTENANCE AND ALSO ON RENTAL BASIS FOR ALARM SYSTEMS (INTEGRATED /BURGLAR / FIRE) WITH INBUILT / EXTERNAL AUTODIALERS AND RELATED ALARM SYSTEM ACCESSORIES INSTALLED AT BRANCHES AND ADMINISTRATIVE OFFICES OF CENTRAL BANK OF INDIA UNDER THE JURISDICTION OF RAIPUR & AMBIKAPUR REGIONAL OFFICE**

Central Bank of India invites sealed offers in Single bid system from empanelled manufacturers/ suppliers/ vendors for the supply, installation, maintenance and on rental basis for Alarm Systems (Integrated/Burglar/Fire) with inbuilt/external autodialers and related Alarm System accessories installed at Branches and Administrative Office of Central bank of India under the jurisdiction of Raipur and Ambikapur Regional Office.

As part of vigilance administration, the Central Vigilance Commission (CVC) has been promoting integrity, transparency, equity and competitiveness in Government / PSU transactions. It has, therefore, become imperative for PSBs, Insurance Companies and Financial Institutions also to now adopt Integrity Pact. The Integrity Pact (IP) envisages a panel of Independent External Monitors (IEMs) recommended by the Bank to be approved by CVC. After following the laid down norms, our Bank has appointed Dr Kishore Kumar Sansi, mail ID [kishorekumarsansil@gmail.com](mailto:kishorekumarsansil@gmail.com), as IEM. The task of IEM shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under the pact. The IEM shall not be subject to instructions by the parties and perform their functions neutrally and independently. All the parties accept that the IEMs have the right to access all the documents relating to the project / procurement, including minutes of the meetings.

**1. OBJECTIVE & REQUIREMENT**

Bank intends to select a vendor for the supply, installation, maintenance and on rental basis for Alarm Systems (Integrated/Burglar/Fire) with inbuilt/external autodialers and related Alarm System accessories installed at Branches and Administrative Office of Central bank of India under the jurisdiction of Raipur & Ambikapur Regional Office. The supply

of new Alarm System with accessories & Rental requirement at Branches will be on need basis and will be placed / made by the Raipur & Ambikapur Regional Office. The selected vendor will also provide AMC support. All the existing Alarm Systems and Accessories installed at Branches and Administrative Offices irrespective of their make, model and type will be maintained and serviced by the vendor. The accessories includes gadgets like hooter, autodialer, magnetic contact, PIR, Glass Break Detector, Vibration Sensor, Panic Switch, Smoke & heat sensor, cable / conduit etc. AMC contract for newly installed Alarm Systems will commence after expiry of warranty period. The same may be renewed every year with mutual consent for a maximum duration of Five (05) years. Supplier may be asked to provide Alarm system on rental basis to some or all branches which shall be minimum for three years and further extendable for two more year on reviewing the performance by the respective regional office.

RFP can be downloaded from the Bank's website [www.centralbankofindia.co.in](http://www.centralbankofindia.co.in). However, for RFP downloaded from website the Pay Order/ Demand Draft will have to be submitted along with the Techno-Commercial Offer.

Date of commencement of issue of RFP	01/05/2021
Last date/ time for submission of RFP	17/05/2021 by 1400 Hrs
Date of opening of the bids	17/05/2021 at 1500Hrs
Earnest Money Deposit (Bid security)	<b>Nil</b>
Validity of RFQ	90 Days
Fee for RFP documents (non - refundable)	<b>Rs 200/- (Rs Two Hundred only)</b>

**Note:** - MSME Certificate holders are exempted for RFP Fee & EMD, but should enclose certified true copies of relevant certificates.

## 2. SCOPE OF WORK

The scope of work would include the following:-

- Providing the Alarm system as per the requirement of branches on rental basis.
- Maintenance of existing Alarm Systems and all related Accessories installed at Branches and Administrative Offices irrespective of their make, model and type
- Replacement of non-operational Alarm Systems and accessories with the new system, its installation and commissioning (old/existing alarm system is to be taken on buyback basis). Order for such replacement will be placed / made by the respective Regional office on need and case to case basis.

- Installation and commissioning of Alarm System and related accessories at new branches and also shifting of existing alarm system with accessories from Branches in case of merger / closure. Order for such new installation and shifting will be placed / made by the respective Regional Office on need and case to case basis.

*Interested participants may conduct an initial Survey of some of our Branches (after taking approval from the Regional Office) to assess the current state. The firm has to conduct the survey at their own cost. Bank will not pay anything in this regards.*

### **3. TERMS & CONDITIONS**

- The Quotation shall be in the prescribed format only as given below and on the letter head of the party in a sealed cover super scribing **"Quotations for Supply, , installation, maintenance and on rental basis for Alarm Systems and all related accessories at Branches under Raipur and Ambikapur Regional Office"** and shall be submitted to the Raipur Regional Office, on or before due date i.e. 17<sup>th</sup> **May 2021 at 1400 Hrs.**
- The tender shall be valid for a period of not less than 90 days after the date of opening of Tender.
- The rates shall have to be quoted only in the prescribed format mentioned in **Annexure I.**
- The supplier shall provide warranty for minimum One (01) year and specify condition of after sales service in his quotation. A service level agreement shall be entered with the successful bidder.
- The Bank has got the right to accept or reject one or all the quotations without assigning any reasons.
- The Bank is not responsible for any delay in receipt of quotation sent by post/courier. The parties can submit the quotation at the above mentioned address on or before the due date and obtain the acknowledgement.
- The payment for the Rental charges ,maintenance and the quarterly visit will be made by the respective regional office after submission of satisfactory and timely repairs / supply and installation of Alarm System and its accessories as per specifications with duly vetted report from concerned Branch manager. The order for any new installation will be placed / made by the Regional Office. All payments will be made through NEFT.
- No advance payment shall be made. The payment after the applicable deductions shall be made by crossed cheque/Net Banking only.

- The Company must depute their technicians to attend, any complaint with in specified time, to the concerned Branch / Administrative Office on receiving the information in writing or over the phone. The defects reported from any local Branch / Administrative Office will be attended to and repaired within 24 hours.
- The Company has to depute their technician to make four mandatory quarterly visits to all the Branches / Administrative Offices. A quarterly summery of the visit showing the type of Alarm System and its accessories installed at the Branches and their working status along with the duly signed visit report by the respective Branch managers / Administrative Office-in-charges are to be submitted to the Security Department positively.
- At the time of installation / maintenance visit the Company representative will give demonstration of operation / use of the Alarm System and its accessories. The company should depute technicians who are competent and capable to maintain / repair the Alarm System and its accessories. They should also be equipped with adequate spare parts and tools to carryout repairs at the Branch / Administrative Office at the time of visit.
- The Bank reserve the right to terminate / modify the contract partly or fully, anytime without assigning any reason whatsoever. The Bank also reserves the right to deduct / forfeit any amount as deemed fit, payable for the installation / maintenance in case the required standards / specification of repairs / maintenance and installations are not kept / maintained and time schedule as laid down is not adhered to by the Company.
- Any new installation of Alarm System and Accessories at any Branch / Administrative Office, whenever ordered, either on capex or opex will be installed by the Company within 10 days from the receipt of confirmed order, from the Regional Office. Any delay in this will call for cancellation of order and penalty as decided by the Bank.
- All the payments for AMC , rental charges shall be paid on quarterly basis by respective regional office and repair/replacement charges will be released by the respective Branches. The copy of the invoice along with the original installation certificate duly signed by the Branch Manager has to be submitted with the Regional Office (GAD/ Security Department) for the office record.

- In case of the defects not being attended to on time, Bank reserves the right to carry out the work through any other agency / agencies and such expenditure will be recovered from the vendor in due course of time.
- No advance shall be paid. Payment shall be done on completion of work. The bill shall be paid only on completion of the work to the satisfaction of occupant and Bank.
- The storing of material shall be the vendor's responsibility at his cost.
- The vendor shall be responsible and liable for compliance of all applicable labour laws including Workmen's Compensation Act, Contract Labour, Shops & Establishment, Policy of Insurance, Fire insurance. At no time shall you claim the above from the Bank.
- The vendor shall take care that the work is carried out without causing damage to the premises, electrical cables, etc. Any damage caused shall be rectified by the vendor at his own cost.
- The vendor shall vouch for safe, bonafied conduct and fidelity of the staff employed by him. Any damages caused willfully or in negligence to the work executed by him or other agencies shall be borne by him.
- Watch and ward in respect of all materials / equipment at the site for use in work shall be the vendor's responsibility.
- The vendor has to keep the upkeep time of 99% and provide a suitable mechanism for lodging and monitoring of complaint. A escalation matrix shall form part of the SLA.
- Any other conditions stipulated at the time of the placing the Orders have to be complied with.
- In the event of any dispute the sole arbitrator will be appointed by the consent of both the parties.
- **The vendor participating in the tender process should have their operational office in Raipur and Ambikapur and should have been working in both region for at least 03 year. A proof regarding the same must be submitted along the financial bid in separate envelope.**

#### 4. SPECIFICATIONS/ REQUIREMENT FOR THE ALARM SYSTEM

Detailed technical specifications are placed at Annexure-II.

- The Main unit should be tamper proof and have Zone indicators, Fault indicators, Fire indicators, Battery Status, CMS Port and other control switches like internal speakers, time delay facility.
- The system should have in-built Auto Dialer
- Night Mode facility is mandatory
- Test mode is a requirement
- Hooters should be duly protected from tampering/ theft. The hooter should sound if the wires are cut.
- Cabling should be of ISI standard, inside conduits
- The alarm unit should be able to operate equally well on AC and DC mode. **Alarm should not sound if the wires are nibbled by rat.**
- **The system should have surge protection to avoid any failure of devices due to faulty power supply.**

#### 5. OTHER TERMS & CONDITIONS

- The offer should be submitted in a sealed cover super scribing on the envelop "**Quotations for Supply, installation, maintenance and on rental basis for Alarm Systems and all related accessories at Branches under Raipur and Ambikapur Regional Office**". The price bids should be unconditional and submitted as per Annexure-I (No change is permitted in the format). The offer should be submitted to the Senior Regional Manager, at Raipur Regional Office, on or before due date i.e. **17<sup>th</sup> May 2021 at 1400 Hrs.** The Offer should be complete in all respects and contain all information asked for in this document.

**Note: The RFQ documents should be submitted in original, duly signed and stamped at each page. Fax/ telegram/telex will not be acceptable.**

#### 6. PROCESS

*Interested participants may conduct an initial Survey of some of our Branches (after taking approval from the Regional Office) to assess the current state. Subsequently, the firms are required to submit the Offers.*

Order will be placed to the suppliers/vendors/manufacturers finally selected for supply, installation and maintenance of Alarm System and Accessories installed at Branches under Raipur & Ambikapur regional office .**The bank reserves the right of placement of order over a period of three months from the date of finalization of the vendor.**

## 7. OPENING OF OFFERS

The Offers will be opened at **15.00Hrs on 17.05.2021** . The bidders/ their representatives may be present at the time of opening of the Offers. No separate intimation will be sent in this regard to the suppliers for deputing their representatives. The offers will be opened at the time and date stipulated above irrespective of the number of offers/ bidders or their representatives present.

**8.** During defect liability period (warranty period) supplier should attend to all repairs/ defects/ replacement of major/minor spare parts free of cost. In case of failure on the part of the supplier to attend to the defects within a reasonable period, the Bank on its own will get the defects rectified through another agency at the risk and cost of supplier and repairs rectified through another agency in such circumstance will not affect the liabilities of the supplier on the warranty for its remaining period nor will it affect the supplier's liabilities on the stipulated post-warranty Annual Maintenance Contracts.

Supplier shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipment, accessories, etc., covered by the offer. The supplier must warrant all equipment's, accessories, spare parts, cables, etc., against any manufacturing defects during the warranty period. **The warranty envisaged is at least One (01) year Comprehensive Warranty.** During the warranty period the supplier shall maintain the equipment and repair/replace all the defective components including cables at the installed sites. No additional charge of whatsoever nature will be paid by the Bank.

## 9. ANNUAL MAINTENANCE CONTRACT (AMC)

Should the Bank decide to do so, the supplier is expected to maintain each gadget including all accessories/components/cables supplied for **at least two (02) years after the expiry of warranty period under AMC (Non-comprehensive)**, which may be renewed for a further period of two year. However, it will be decided by the Bank on the basis of the firm's performance during the agreement period and also on the basis of the firm's approach in advance for the same. During the warranty period & AMC period, the supplier is expected to visit the concerned branches at least once in a quarter for preventive maintenance/ servicing and on call by the Bank any number of times in case of defects, if any. The supplier shall maintain all the gadgets and repair/replace all defective minor components at no additional charge other than the AMC contract charges. The major repairs if

any will be carried out with our consent telephonically to avoid delay. The AMC charges will be released in four installments by the respective Branches at the end of every three month period from the date of the expiry of warranty, on satisfactory performance of the each gadget and against submission of a service report.

**RENTAL CONTRACT:-** Should the Bank decide to install the alarm system on rental basis as per the requirement of branches, the supplier needs to install the same within 10 days of order issued. The rental charges shall be paid on quarterly basis by the respective regional office post submission of quarterly inspection report duly signed by the concerned branch managers. All the defect/repair/replacement shall be under the purview of the supplier. The supplier should ensure quality power supply being fed to the alarm system and any claim arising due to faulty power supply shall not be entertained. The devices should have surge protection installed to safeguard from any such failure. The Bank shall not pay any amount over and above the quoted price for rental value and supplier should provide a complete functional alarm system to the branches.

#### **10. PENALTY CLAUSE**

The vendor shall have to resolve the issue within 01 working day of raising the service request (excluding Sundays and three National Holidays). Penalty will be charged Rs 1000/- per day of delay after 24 hours. However, if problem remains unresolved after one week, the Bank reserves the right to cancel the order / contract.

#### **11. PAYMENTS**

Payment shall be released by the concerned Branch for capex supply and installation on completion of the installation, commissioning, successful operational checks of the system and acceptance by the Bank. Other payment such as Quaterly AMC charges and Rental charges shall be paid by the respective regional office on submission of report duly authenticated by the concerned branch manager. No penalty or interest etc, shall be payable by the Bank for any overdue charges. The full payment shall be made post acceptance of the system only.

#### **12. SELECTION CRITERIA**

The contract will be awarded to the participant whose rates will be the lowest.

#### **13. INDEMNITY**

The selected agency/ organization shall indemnify and hold the Bank harmless from & against any & all claims, liability, loss,



demands, damages, actions, costs and charges including legal expenses & counsel fees suffered or ascertained by the Bank or any third party dues for the Acts or omission on the part of vendor in operating, maintaining, monitoring the equipment, to which the Bank may become subject to or which it may have to pay or be held liable there for reason of any injury to persons, reputation or property suffered or sustained by any agency or employee of the Bank or arising out of negligence or omission of the selected agency/ organization.

#### **14. THIRD-PARTY INFRINGEMENT CLAIMS**

Supplier will defend at its expense or settle any third-party claim against Customer or its Affiliates alleging that Products, Services or Deliverables provided under this Agreement infringe intellectual property rights in the country where they were sold. Supplier will pay infringement claim defense cost, Supplier-negotiated settlement amounts, and damages finally awarded by the court. Supplier has no obligation for any claim of infringement arising from, and Customer will indemnify Supplier against any third-party claim arising from: (i) Supplier's compliance with Customer or third-party designs, specifications, instructions, or technical information; (ii) modifications made by any party other than Supplier; (iii) Customer's non-compliance with applicable Documentation (iv) Use of Products, Services or Deliverables for purposes not contemplated by this Agreement or applicable Documentation (including distribution to third parties); (v) Customer use or combination of Products, Services or Deliverables with products, software, or services that are not provided by Supplier; or (vi) a Product, Service, or Deliverable that is not at the most current release level if the most current release level is non-infringing.

#### **15. LIMITATION OF LIABILITY**

The Bank shall not be liable for any special or consequential damages that results from the use of, or the inability to use the materials on the site or the performance of the products. Applicable law may not allow the limitation or exclusion of liability or incidental or consequential damages so the above limitation or exclusion may not apply to you.

#### **16. FORCE MAJEURE**

- Any failure or delay by bidder or Bank in performance of its obligation, to the extent due to any failure or delay caused by fire, flood, earthquake or similar elements of nature, or acts of God, war, terrorism, riots, civil disorders,

rebellions or revolutions, acts of government authorities or other events beyond the reasonable control of non-performing Party, is not a default or a ground for termination. If Force Majeure situation arises the Vendor shall promptly notify Bank in writing of such conditions and the cause thereof. Unless otherwise agreed by bank in writing, the Vendor shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**Governing Law and Disputes (Applicable in case of successful bidder only)**

- All disputes or differences whatsoever arising between the parties out of or in connection with this contract or in discharge of any obligation arising out of the Contract (whether during the progress of work or after completion of such work and whether before or after the termination of this contract, abandonment or breach of this contract), shall be settled amicably. If however, the parties are not able to solve them amicably, party (CBI or Vendor), give written notice to other party clearly setting out there in specific dispute(s) and/or difference(s) and shall be referred to a sole arbitrator mutually agreed upon, and the award made in pursuance thereof shall be binding on the parties. In the absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrator; one to be nominated by each party and the said arbitrators shall nominate a presiding arbitrator, before commencing the arbitration proceedings. The arbitration shall be settled in accordance with the applicable Indian Laws. Any appeal will be subject to the exclusive jurisdiction of courts at Mumbai.
- The Vendor shall continue work under the Contract during the arbitration proceedings unless otherwise directed by the Bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. Arbitration proceeding shall be held at Mumbai, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English.

COMMERCIAL BIDSUPPLY, INSTALLATION ,MAINTENANCE AND RENTAL FOR ALARM SYSTEM  
WITH ACCESSORIES AT BRANCHES UNDER RAIPUR & AMBIKAPUR REGIONEQUIPMENT (Table-1)

<u>Sr No</u>	<u>Item description (A)</u>	<u>Make &amp; Model (B)</u>	<u>Unit (C)</u>	<u>Rate (Rs) (D)</u>	<u>Qty (E)</u>	<u>Total (F)</u>	<u>Rental charge/Month @ 4% of Total (F)</u>
1	8 Zone Microprocessor based Integrated Alarm Panel with inbuilt autodialer (GSM) (Conventional Type)		Nos		1		
2	4 Zone Microprocessor based Integrated Alarm Panel with inbuilt autodialer (GSM) (Conventional Type)		Nos		1		
3	12 V 7 AH Battery		Nos		1		
4	External electronic Hooter/ Sounder		Nos		1		
5	Auto Dialer		Nos		1		
6	Magnetic Contact		Nos		1		
7	Overhead shutter magnetic contact		Nos		1		
8	PIR		Nos		1		
9	Panic Switch-Foot		Nos		1		
10	Panic Switch-Push button		Nos		1		
11	Remote panic switch		Nos		1		
12	Glass break detector		Nos		1		
13	Shock sensor		Nos		1		
14	Smoke Detector		Nos		1		
15	Heat Detector		Nos		1		
16	Response Indicator		Nos		1		

17	Manual call point with LED indicator level release system with resettable facility		Nos		1		
18	Wiring		Mtrs		200		
19	PVC Conduit		Mtrs		200		
20	FRLS with Armoured Cable min 1 sqmm, 4 core		Mtrs		100		
21	FRLS unarmoured cable min 1 sqmm, 4 core		Mtrs		100		
22	Wiring for autodialer, 4 core		Mtrs		100		
23	Installation / re-installation charges		Nos		1		
24	Buyback rate of old Panel	--	Nos		1	(Less)	
<b>Total</b>							

**AMC OF EXISTING ALARM SYSTEMS (Table-2)**

<b>Sr No</b>	<b><u>Parameters</u></b>	<b><u>Rate (Rs)</u></b>
1	AMC (Per annum) including one mandatory visit in each quarter for testing/servicing of Alarm Systems and its accessories. <i>AMC rate should include one consolidate figure for each Branch.</i>	

**Biometric Access Control (Table-3)**

<u>Sr No</u>	<u>Item description</u> <u>(A)</u>	<u>Make &amp; Model</u> <u>(B)</u>	<u>Unit</u> <u>(C)</u>	<u>Rate</u> <u>(Rs)</u> <u>(D)</u>	<u>Qty</u> <u>(E)</u>	<u>Total</u> <u>(F)</u>	<u>Rental charge/Month</u> <u>@ 4% of</u> <u>Total (F)</u>
	<u>Biometric Access Control with Lock and all other accessories</u> <u>(Complete)</u>		<u>Nos</u>		<u>1</u>		

- \* AMC charges & Taxes will not be considered while arriving at L1.
- \* Payment/Rental for cabling will be purely on actual usage.
- \* L1 rate will be arrived at taking into consideration, the rates and the total amount quoted for the Equipment estimated (Table I of column F).
- \* Item mentioned at Table-3 shall be independently evaluated for L-1.

**Signature of the Service Provider**

## Annexure-II

<b>TECHNICAL SPECIFICATIONS FOR INTEGRATED (BURGLAR CUM FIRE ) ALARM SYSTEM WITH IN-BUILT AUTO DAILER</b>			
<b>Sr No</b>	<b>Parameter s</b>	<b>Specifications</b>	<b>Remarks</b>
1	Control Panel	<p>Specification :-</p> <ol style="list-style-type: none"> <li>1. one Zone with fire and smoke detectors connection</li> <li>2. one zone with Panic Switch connection</li> <li>3. one Zone with PIR Sensors sequence</li> <li>4. one zone with Shutter / Door Sensors</li> </ol> <p>above all features must be in other 4 zones if panel installed 8 zone.</p> <p>Fire Alarm zone must be connect with in built PCB or inbuilt feature</p> <p>Panel with LAN port (for CMS connectivity), CCTV camera connectivity port, in built Auto dialers, Separate Key pad (to install in BM's cabin),</p> <p>Auto Alarm / Disarm as pe the time set. (it's required for Night mode or day mode operation).</p> <p>Main Input Volatage - 230 to 250 Volt AC, 50 Hz</p> <p>One Zone for 24 hour emergency zonne for better security</p> <p>One Zone for Day/Night Mode for Intrusion detectors with variable Entry/Exit delay selection of 15, 30, 120, upto 255 secs</p> <p>Built-in tone generator and amplifier for External Speakers ( min 2nos)</p> <p>Tamper proof wiring for panic buttons, Night Sensor and Speakers/Sounders</p> <p>Auto Isolation of defective zones</p> <p>Testing of Wiring, Panic Buttons, Night Sensor without sounding the main</p>	

	speakers/sounders	
	<p>Different coloured LED's for -</p> <ol style="list-style-type: none"> <li>Mains indication</li> <li>Battery indication</li> <li>Faulty / Isolated Zones indication</li> <li>Alarm Indication</li> <li>Day / Night mode indication</li> </ol> <p>Highly user friendly design</p> <p>Software upgradeable for new features</p> <p>Easy interface with other systems and security accessories like Magnet Switch, PIR, Auto Dialer etc</p> <p>High tolerance against noise and voice variations</p> <p>Modular construction for easy servicing</p> <p>Activation in case of tampering</p> <p>In-built battery back-up provision</p> <p>Automatic switch over from power mode to battery mode in case of power failure and vice-versa</p> <p>Battery Protection-Battery deep discharge &amp; short circuit through fuse Amplifiers</p> <p>Protection against False Alarm / Anti -Rodent facility.</p> <p>Certification - CE</p> <p>Back-up battery -12 Volts, 7 Ah, SMF battery ( Standard Make)</p> <p>Reporting formats - SIA3, Contact ID &amp; Fast Format</p> <p>SMS Remote Control App compatibility</p> <p>PSTN and/or GSM Modem</p> <p>In-built Memory logs -1250nos</p> <p>GPRS modem for IP Communication</p> <p>Remote Control + App compatibility</p>	

		No. of Partitions - 8nos. Certifications -Environmental Class II	
2	External Speaker (with LED option)	a. 40W b. Power (65-70 db) c. 4 wired with tamper loop d. Low current consumption e. ABS Body f. Weather Proof Housing	
3	IP compatibility  In-Built Auto Dialer	<b>The Alarm system must be IP compatible for future CMS</b>  <b>Built in Auto dialer (GSM),</b> alert test mode, emergency alarm, alarm Acknowledgement, Tamper proof.	
4	Surface Mounted Magnetic Contact	a. Minimum Operating distance 15-20mm b. CE approved	
5	Dual Technology Passive Infrared Detector (PIR Sensor)	a. Microwave Frequency b. Detection range 10m x 10m c. Microprocessor Controller d. Tamper proof mounting e. Automatic temperature compensation f. Sealed Optics g. Adjustable Ring h. Wide coverage angle, Min 85 Degree i. Rodent / Pet Prrrof j. Good Temperature tolerance	



		<p>k. Superior Radio frequency, fast transient and electrostatic discharge immunity</p> <p>1. CE certified</p>	
6	Panic Button	1. Microswitch rated at 5Amp @24 VDC	
		<p>2. Touch ABS Plastic</p> <p>3. Output-NC,NO</p>	
7	Magnetic Contact	<p>1. Magnetic Contact WHITE</p> <p>2. Standard Gap : 1'' (25mm)</p> <p>3. Adhesive / Screw Mounted</p> <p>4. 12'' (30cm) leads</p>	
8	Overhead Shutter Magnetic Contact	<p>a. Standard Gap 2''</p> <p>b. 24'' armored cable</p> <p>c. Cast Magnet</p>	
9	PIR Motion Detector	<p>Detection Method : Dual Element Passive Infrared</p> <p>Coverage :</p> <p><b>1. Detection Zones :85 degree, 52 zones, 5 planes</b></p> <p>*a. Pet Immune lens : 52 zones</p> <p>2. Pulse Processing</p> <p>a. Intermediate, Standard or Harsh selectable via jumper link</p> <p>3. Temperature Compensation</p> <p>a. Advance Digital Temperaturecompensation adjusts for above and below body temperature</p> <p>4. Tamper Proof Design</p> <p>a. Alarm relay cannot be compromised with a magnet</p> <p>7. Detectable Walk Rate</p> <p>a. 0.5 - 10 ft/sec</p>	

		<p>8. <i>Mounting Height</i></p> <p>a. 7ft (2.4m) recommendable for Pet Immune</p> <p>9. <i>Blue Wave Technology</i></p> <p>10. <i>Alarm Relay :</i></p> <p>Form A. SPST 90mA @ 16 VDC with 15-Ohm protective resistor</p>	
		<p>11. <i>Input Voltage :</i> 8-16 VDC</p> <p>12. <i>Current :</i> 4mA (Standby)</p> <p>13. <i>Operating Temperature :</i> Upto 95% RH (max) non-condensing</p> <p>14. <i>Certification - CE</i></p> <p>15. <i>Environmental Class -II</i></p>	
10	Glassbreak Detector	<p>a. <i>Physical Dimensions :</i> White high impact ABS plastic housing</p> <p>c. <i>Range :</i> 8m max omnidirectional, no minimum range</p> <p>d. <i>Alarm Relay :</i> Form C, 125mA, 25 VDC</p> <p>e. <i>Tamper Switch :</i> Combination of cover &amp; wall tamper</p> <p>f. <i>Power Requirements:</i> 6-18 VDC, 12mA</p> <p>g. <i>AC Ripple :</i> 4 V peak-to-peak at nominal 12VDC</p> <p>h. <i>Operating Temperature :</i> -10 to 50 Degree</p> <p>i. <i>Approvals - CE</i></p> <p>j. <i>Angle of Coverage -360 degree</i></p> <p>k. <i>Glass Type / Thichness :</i> Plate, Tempered, Laminated, Wired, Coated, Sealed, Insulated, max 10mm</p> <p>l. <i>Dual confirmation detection - First Impact</i></p> <p>m. <i>Detects the frequency of glass flexing</i></p> <p>n. <i>Detects the frequency of glass breaking</i></p>	

11	Shock Sensor	<p>Loop Voltage - 3VDC (min) to 20VDC (max)</p> <p>Loop Current - 100mA max</p> <p>Power Requirement - Less than 1 Ma</p> <p>Transient Suppression - 600 watts</p> <p>Alarm Output type - Normal-Closed solid-state output</p> <p>Alarm Output resistance - 20 Ohm max (closed /alarm condition)</p> <p>1 Ohm minimum (open/alarm condition)</p>	
		<p>Alarm Output timing - Open for 1 sec min during an alarm condition</p> <p>Operating temperature - 18 - 55 degree</p> <p>Dimensions -</p> <p>Wiring Leads - 22 AWG, 2 conductor zip cord</p> <p>Colour- White</p>	
12	Keypad	<p>Alpha Numeric Keypad with 2 sensor input</p> <p>Wiring : 4 wire</p> <p>Current - Standby 60mA, Activated -190mA</p> <p>Integrated Proxreader</p> <p>Internal use Prox reader</p>	
13	External Sounder	<p>Electronic Siren, 6-12VDC, 15 watt, 109 db</p> <p>Current - 100mA</p> <p>Output - 110db</p> <p>Size - 60mm x 60mmx70mm</p>	
14	Hooter (Long Range)	<p>Electronic Siren, 6-12VDC, 15 watt, 117 db</p> <p>Voltage - 12V DC</p> <p>Current Draw : 400mA, 6 VDC / 1.2 AMPS, 12 VDC</p> <p>Sound Output : 118 db, 12 VDC</p>	

15	Battery	7 Ah battery for back-up (SI Scope)	
	Smoke Detectors	Wide-angle, dual-color LED indication Built-in remote maintenance signaling Voltage - 12/24V non polarised Built-in test switch Operating Temperature Range = 2W-B and 4W-B: 32°F to 120°F (0°C to 49°C); 2WT-B and 4WT-B: 32°F to 100°F (0°C to 37.8°C) Operating Humidity Range = 0 to 95% RH non-condensing Thermal Sensor = 135°F (57.2°C) fixed	
		Freeze Trouble = 2WT-B and 4WT-B only: 41°F (5°C) Input Terminals = 14 to 22 AWG	
16	Heat Detectors	Wide-angle, dual-color LED indication Built-in remote maintenance signaling Operating Voltage / Contact Rating = 6-125VAC / 3A 6-28VDC / 1A 125VDC / 0.3A 250VDC / 0.1A Maximum Installation Temperature = 5601P, 5603, 5621, and 5623: 100°F (38°C) 5602, 5604, 5622, and 5624: 150°F (65.6°C) Rate-of-Rise Threshold = 15°F (8.3°C) rise per minute	
17	Wire / Cable / Conduit : SI Scope	a. fire Alarm cable must be FRLS - Min One Sq MM (if Armoured to protect cutting or rat bites) b. PIR sensor cable must be 4 core armoured cable to prevent false alarms. In others cases, any other cable is ok	
18	<b>Accepted Make/Bran</b>	<b>DSC, Securico, Qualitronics, Digitals, Seple, Eagle, Gadsec, Taxecom, ANG, Godrej, Rider,</b>	

	<b>d</b>	<b>NSE, Methodex</b>	
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**Biometric Access Control**

Sl.NO	Parameters	Features	Remarks
01	Storage capacity	Minimum storage of 3000 finger print template	
02	Transaction capacity	Minimum transaction capacity of 100000	
03	Inbuilt keypad/LCD display	Keypad and LCD display should be in built	
04	Protection	Should have protection from scratch and Electrostatic Discharge	
05	Configuration Time	Enrolment or registration less than 6 seconds for figure and card time	
06	Log provision	Provision for Log	
07	Fingure print read time	Should be less than 5 seconds	
08	Data downloadable port	Through Ethernet port	
09	Power support	12V DC	
10	Battery back up	Minimum 4 hours	
11	Interface software	To be provided	
12	Lock	Electromagnetic Lock 600lbs	
13	Approved Make/Brand	Spectra/ZK tesco/eSSI/Bio Max/Chiyu/Realtime/Seple/Time watch or equivalent	