

RO/THN/SECY/2021-22/135

14 Sep 2021

CENTRAL BANK OF INDIA, THANE REGIONAL OFFICE
4TH FLOOR, MARATHI GRANTH SANGRAHALAYA BUILDING, NETAJI SUBHASH
ROAD , DIST : THANE - 400601

REQUEST FOR QUOTATION (RFQ) FROM EMPANELLED VENDORS FOR THE
SUPPLY, INSTALLATION AND ANNUAL MAINTENANCE OF SECURITY 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
(NON-COMPREHENSIVE IN NATURE) UNDER THE JURISDICTION OF THANE
REGIONAL OFFICE, 4TH FLOOR, MARATHI GRANTH SANGRAHALAYA BUILDING,
NETAJI SUBHASH ROAD, DIST : THANE - 400601

Central Bank of India invites sealed offers in Single bid system from empanelled manufacturers/ suppliers/ vendors for the supply, installation and annual maintenance of 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 Thane Regional Office, 4th Floor, Marathi Granth Sangrahalaya Building , Netaji Subhash Road , Dist : Thane, 400601.

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 Shri Trivikram Nath Tiwari, mail ID trivikramnt@yahoo.co.in, and Shri Jagdip Narayan Singh, mail id jagadipsingh@yahoo.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 and annual maintenance of Security 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 Thane Regional Office for a **period of One year from 28 Oct 2021 to 27 Oct 2022**. The supply of new Security Alarm System with accessories at Branches will be on need basis and will be placed / made by the Thane 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/optical & 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 three (03) years. The complete details and RFP Forms can be obtained from GAD/Security Department at the following address on payment of ₹ 200 (Rupees Two Hundred only) – Nonrefundable by means of DD/PO favoring Central bank of India payable at Mumbai.

Address: - Central Bank of India, Thane Regional Office, 4th Floor, Marathi Granth Sangrahalaya Building, Netaji Subhash Road, Dist : Thane, 400601. Tel. No. 022-25335716. You may also contact Region Security officer Kuldeep Kumar Verma on his mobile 9322580709.

RFP can also be downloaded from the Bank's website 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	20 Sep 2021
Last date/ time for submission of RFP	18 Oct 2021 at 1500 Hrs
Date of opening of the bids	20 Oct 2021 at 1300 Hrs
Earnest Money Deposit (Bid security)	Nil
Validity of RFQ	30 Days
Fee for RFP document (nonrefundable)	₹ 200 (Rupees Two Hundred only)

2. SCOPE OF WORK

The scope of work would include the following:-

- 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) as per specifications in Annexure II. Order for such replacement will be placed / made by the Thane Regional office on need and case to case basis and suggested by AMC vendor.
- 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 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 and Maintenance of Alarm Systems and all related accessories at Branches under Thane Regional Office" and shall be submitted to the Regional Manager, GAD (Security Department) at Thane Regional Office, 4th Floor, Marathi Granth Sangrahalaya Building, Netaji Subhash Road, Dist : Thane, 400601, on or before due date i.e. **18 Oct 2021 at 1500 Hrs**

- The tender shall be valid for a period of not less than 30 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 for the spares consumed and specify condition of after sales service in his quotation.
- 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 maintenance and the quarterly visit will be made by the respective RO after satisfactory and timely repairs / supply and installation of Alarm System and its accessories as per specifications on Quarterly basis on submission of all service reports (No issues of branch is to left pending).** However 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.** All the technicians are to have identity card issued by the AMC vendor. Company to deposit a letter with list of technician's available confirming them having no police case and FIR. Any technician disbarred by any PSB is not to be part of the team.
- **The Company has to depute their technician to make four mandatory quarterly visits to all the Branches / Administrative Offices being part of preventive plan maintenance (PPM). Any break down maintenance reported by Region / branch either telecom or by mail is to attend within 24 Hours of reporting.** 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, will be installed by the Company within 03 – 05 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 on breakdown maintenance wherein any spares are consumed 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 & warranty. **Payment for only Preventive planned maintenance (PPM) will be done by Region Office on quarterly basis.**
- 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.
- 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.

4. SPECIFICATIONS/ REQUIREMENT FOR THE ALARM SYSTEM – The power to all security gadgets / CCTV should be from branch UPS only.

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.
- All cables to have conduit to avoid eaten by rats. Fire alarm cable must be FRLS.
- 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.

5. OTHER TERMS & CONDITIONS

- The offer should be submitted in a sealed cover super scribing on the envelop "Quotations for Supply, installation and Annual Maintenance of Alarm Systems and all related accessories at Branches under Thane Regional Office". The price bids should be submitted as per Annexure-I (No change is permitted in the format). The offer should be submitted to the Regional Manager, GAD (Security Department) at Thane Regional Office, 4th Floor, Marathi Granth Sangrahalaya Building, Netaji Subhash Road, Dist : Thane, 400601 on or before due date i.e. **18 Oct 2021 at 1500 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/email/whatsapp 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 TRO. **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 **1300 Hrs on 20 Oct 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. **The bidders are to present with company stamp and letter head for price negotiation, if any.**

8. During defect liability period (DLP) (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. **Any spare replaced during AMC period will have warranty period and to be replaced if faulty, even if AMC is expired or terminated.**

9. ANNUAL MAINTENANCE CONTRACT (AMC) – NON COMPREHENSIVE

The non-comprehensive AMC will be for a period of 01 years (One year) commencing 28 Oct 2021 to 27 Oct 2022. List of branches under RO are placed in Annexure III to this proposal. Should the Bank decide to do so, the supplier is expected to maintain each gadget including all accessories/components/cables supplied for **at least One (01) years after the expiry of warranty period under AMC (Non-comprehensive)**, which may be renewed for a further period of one 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/RO 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.

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 500/- 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 on completion of the installation, commissioning, successful operational checks of the system and acceptance by the Bank. 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. **All the payments on breakdown maintenance wherein any spares are consumed will be released by the respective Branches.**

Payment for only Preventive planned maintenance (PPM) AMC will be done by Region Office on quarterly basis on submission of service reports and original Tax invoice. No branch is to be left for any reasons. Issues if any in the branch need to be resolved first and then forwarded for the payment. The tax invoice submitted for PPM (AMC) will be single tax invoice providing details of services completed in one quarter.

12. SELECTION CRITERIA

The contract will be awarded to the participant whose rates will be the lowest. A visit to vendor office for services, stock of spares and technician professionalism may be inspected on genuineness of the quote. **Vendor also to produce the client list along with offer.**

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.

Sd/-

(Jay Kumar Singh)
Chief Manager
Thane Regional office

COMMERCIAL BID**SUPPLY, INSTALLATION & MAINTENANCE OF ALARM SYSTEM WITH
ACCESSORIES AT BRANCHES UNDER TRO – RATE REPAIR CONTRACT FOR
1 YEAR FROM 28 OCT 2021 TO 27 OCT 2022****EQUIPMENT (for technical specification/make/model refer Annexure II)**

Sr No	<u>Item description</u>	<u>Make & Model</u>	<u>Unit</u>	<u>Rate (Rs)</u>	<u>Qty</u>	<u>Total</u>
1	8 Zone Microprocessor based Integrated Alarm Panel with inbuilt autodialer (Conventional Type) with battery		Nos		1	
2	4 Zone Microprocessor based Integrated Alarm Panel with inbuilt autodialer (Conventional Type) with battery		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 / vibration sensor		Nos		1	
14	Smoke / optical 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 IAS Panel	--	Nos		1	(Less)
Total						

AMC OF EXISTING ALARM SYSTEMS

Sr No	<u>Parameters</u>	<u>Rate (Rs)</u>
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>	

- * AMC charges & Taxes will not be considered while arriving at L1.
- * Payment 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).

Signature of the Service Provider

TECHNICAL SPECIFICATIONS FOR INTEGRATED (BURGLAR CUM FIRE) ALARM SYSTEM WITH IN-BUILT AUTO DAILER			
Sr No	Parameters	Specifications	Remarks
1	Control Panel	Specification :- 1. one Zone with fire and smoke detectors connection 2. one zone with Panic Switch connection 3. one Zone with PIR Sensors sequence 4. one zone with Shutter / Door Sensors above all features must be in other 4 zones if panel installed 8 zone. Fire Alarm zone must be connect with in built PCB or inbuilt feature Panel with LAN port (for CMS connectivity), CCTV camera connectivity port, in built Auto dialers, Separate Key pad (to install in BM's cabin), Auto Alarm / Disarm as pe the time set. (it's required for Night mode or day mode operation). Main Input Voltage - 230 to 250 Volt AC, 50 Hz One Zone for 24 hour emergency zone for better security One Zone for Day/Night Mode for Intrusion detectors with variable Entry/Exit delay selection of 15, 30, 120, upto 255 secs Built-in tone generator and amplifier for External Speakers (min 2nos) Tamper proof wiring for panic buttons, Night Sensor and Speakers/Sounders Auto Isolation of defective zones Testing of Wiring, Panic Buttons, Night Sensor without sounding the main speakers/sounders	

		Different coloured LED's for - a. Mains indication b. Battery indication c. Faulty / Isolated Zones indication d. Alarm Indication e. Day / Night mode indication Highly user friendly design Software upgradeable for new features Easy interface with other systems and security accessories like Magnet Switch, PIR, Auto Dialer etc High tolerance against noise and voice variations Modular construction for easy servicing Activation in case of tampering In-built battery back-up provision Automatic switch over from power mode to battery mode in case of power failure and vice-versa Battery Protection-Battery deep discharge & short circuit through fuse Amplifiers Protection against False Alarm / Anti -Rodent facility. Certification - CE Back-up battery -12 Volts, 7 Ah, SMF battery (Standard Make) Reporting formats - SIA3, Contact ID & Fast Format SMS Remote Control App compatibility PSTN and/or GSM Modem In-built Memory logs -1250nos GPRS modem for IP Communication Remote Control + App compatibility No. of Partitions - 8nos. Certifications -Environmental Class II	
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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	The Alarm system must be IP compatible for future CMS Built in Auto dialer (PSTN) , 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 Proof j. Good Temperature tolerance k. Superior Radio frequency, fast transient and electrostatic discharge immunity l. CE certified	
6	Panic	1. Microswitch rated at 5Amp @24 VDC	

	Button	2. Touch ABS Plastic 3. Output-NC,NO	
7	Magnetic Contact	1. Magnetic Contact WHITE 2. Standard Gap : 1" (25mm) 3. Adhesive / Screw Mounted 4. 12" (30cm) leads	
8	Overhead Shutter Magnetic Contact	a. Standard Gap 2" b. 24" armored cable c. Cast Magnet	
9	PIR Motion Detector	Detection Method : Dual Element Passive Infrared Coverage : 1. Detection Zones :85 degree, 52 zones, 5 planes *a. Pet Immune lens : 52 zones 2. Pulse Processing a. Intermediate, Standard or Harsh selectable via jumper link 3. Temperature Compensation a. Advance Digital Temperature compensation adjusts for above and below body temperature 4. Tamper Proof Design a. Alarm relay cannot be compromised with a magnet 7. Detectable Walk Rate a. 0.5 - 10 ft/sec 8. Mounting Height a. 7ft (2.4m) recommendable for Pet Immune 9. Blue Wave Technology 10. Alarm Relay : Form A. SPST 90mA @ 16 VDC with 15-Ohm protective	

		resistor	
		11. <i>Input Voltage</i> : 8-16 VDC 12. <i>Current</i> : 4mA (Standby) 13. Operating Temperature : Upto 95% RH (max) non-condensing 14. Certification - CE 15. Environmental Class -II	
10	Glass break Detector	a. Physical Dimensions : White high impact ABS plastic housing c. Range : 8m max omnidirectional, no minimum range d. Alarm Relay : Form C, 125mA, 25 VDC e. Tamper Switch : Combination of cover & wall tamper f. Power Requirements: 6-18 VDC, 12mA g. AC Ripple : 4 V peak-to-peak at nominal 12VDC h. Operating Temperature : -10 to 50 Degree i. Approvals - CE j. Angle of Coverage -360 degree k. Glass Type / Thickness : Plate, Tempered, Laminated, Wired, Coated, Sealed, Insulated, max 10mm l. Dual confirmation detection - First Impact m. Detects the frequency of glass flexing n. Detects the frequency of glass breaking	
11	Shock Sensor	Loop Voltage - 3VDC (min) to 20VDC (max) Loop Current - 100mA max Power Requirement - Less than 1 Ma Transient Suppression - 600 watts Alarm Output type - Normal-Closed solid-state output	

		Alarm Output resistance - 20 Ohm max (closed /alarm condition) 1 Ohm minimum (open/alarm condition)	
		Alarm Output timing - Open for 1 sec min during an alarm condition Operating temperature - 18 - 55 degree Dimensions - Wiring Leads - 22 AWG, 2 conductor zip cord Colour- White	
12	Keypad	Alpha Numeric Keypad with 2 sensor input Wiring : 4 wire Current - Standby 60mA, Activated -190mA Integrated Prox reader Internal use Prox reader	
13	External Sounder	Electronic Siren, 6-12VDC, 15 watt, 109 db Current - 100mA Output - 110db Size - 60mm x 60mmx70mm	
14	Hooter (Long Range)	Electronic Siren, 6-12VDC, 15 watt, 117 db Voltage - 12V DC Current Draw : 400mA, 6 VDC / 1.2 AMPS, 12 VDC Sound Output : 118 db, 12 VDC	
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	Accepted Make/Brand	DSC, Securico, Qualitronics, Digitals, Seple, Eagle, Gadsec, Taxecom, ANG, Godrej, Rider, NSE, Methodex	

LIST OF BRANCHES UNDER THANE REGION OFFICE**Annexure III**

<u>SNO.</u>	<u>BRANCH</u>	<u>BRANCH CODE</u>	<u>SIZE</u>	<u>RISK CAT.</u>
1	ALIBAG	2554	M	SEMI-URBAN
2	AMBADI	4927	S	RURAL
3	AMBERNATH	3672	LB	URBAN
4	ASANGAON	5069	S	SEMI-URBAN
5	BADLAPUR	4590	LB	URBAN
6	BHAYANDAR	3244	VLB	METRO
7	BHIWANDI	640	VLB	URBAN
8	CBD BELAPUR	3154	VLB	METRO
9	CBD BELAPUR CC	3154	VLB	METRO
10	DOMBIVALI EAST	1715	LB	METRO
11	KALHER	4341	LB	SEMI-URBAN
12	KALYAN WEST	639	VLB	METRO
13	KALYAN EAST	3773	VLB	METRO
14	KAMBE	2372	M	RURAL
15	KAMOTHE	4592	LB	URBAN
16	KAPADE (BK)	4896	S	RURAL
17	KEWALE	5066	M	RURAL
18	KHAR-ACTREC	4047	M	SEMI-URBAN
19	KHARGHAR	4517	M	SEMI-URBAN
20	KHOPOLI	4342	M	SEMI-URBAN
21	KOPARKHAIRAIN	4519	M	METRO
22	MAHAD	4973	S	SEMI-URBAN
23	MHARAL	5071	S	SEMI-URBAN
24	MIRA ROAD	3253	VLB	URBAN
25	MODELLAGRAM	636	VLB	METRO
26	MUMBRA	3774	M	METRO
27	MURBAD	4345	M	SEMI-URBAN
28	NANDIVALLI	5042	S	RURAL
29	NERAL	4516	M	SEMI-URBAN
30	NEW PANVEL	3347	LB	URBAN
31	PADGHA	5070	S	RURAL
32	PEN	3890	M	SEMI-URBAN
33	REWAS BODNI	4897	M	RURAL
34	SANPADA	4584	LB	METRO
35	SEAWOOD NERUL	4518	M	METRO
36	THANE WEST	637	ELB	METRO
37	CPAC, MSME & SSB THANE WEST	82385	ELB	METRO
38	THANE (E)	3664	LB	METRO
39	ULLHAS NAGAR	638	VLB	URBAN
40	ULLAS-4	3808	LB	URBAN
41	URAN	4344	M	SEMI-URBAN
42	USAR	3055	M	RURAL
43	VASANT VIHAR	3330	VLB	METRO
44	VISHNU NAGAR	2379	VLB	METRO
45	WASHI TURBHE	1217	VLB	METRO
46	THANE REGION OFFICE			