



**STATE BANK OF INDIA
Premises & Estate Department
Local Head Office, Kolkata**

APPLICATION ID NO. PREM/FAS/21-22/1048

START DATE: 15-03-2022

**LAST DATE OF SUBMISSION OF DULY FILLED APPLICATION:
ON OR BEFORE 4.00 PM ON 12-04-2022**

State Bank of India, Local Head Office, Kolkata invites applications for pre-qualification / empanelment of vendors for supply, installation, testing, commissioning and annual maintenance contract of Supply, Installation, Testing, Commissioning And Maintenance Of Automatic Fire Detection & Alarm System (AFD&AS) in State Bank of India buildings/premises in the State of West Bengal, Sikkim & Bay Islands. The eligibility criteria and application form will remain available on Bank's website www.sbi.co.in, under "PROCUREMENT NEWS LINK".

ATTENTION BIDDERS

Bidders, who are authorized dealers, of any one or more, of the following offered brands or equivalent brands of products and fulfilling the given Technical specifications as mentioned under respective category of the product, may only apply. The Bank reserves the right to accept or reject any or all the applications without assigning any reasons thereof and no correspondence will be entertained in this regard.

Asst General Manager (P& E)

10-03-2022

NOTICE FOR EMPANELMENT OF VENDORS FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFD&AS) IN SBI BUILDINGS/PREMISES IN THE STATE OF WEST BENGAL, SIKKIM & BAY ISLANDS.

State Bank of India (hereinafter referred to as SBI / the Bank) a body Corporate created under State Bank of India Act 1955, having its Local Head Office at **Kolkata** includes the client's representatives, successors.

State Bank of India (SBI) Local Head Office Kolkata intends to empanel vendors for supply, installation, testing, commissioning and annual maintenance contract of automatic fire detection & alarm system (AFD & AS) etc. in State Bank of India buildings/premises in the State of West Bengal, Sikkim & Bay Islands.

The application document may be obtained from the bank as under or downloaded from Bank's web-site www.sbi.co.in under **procurement news** (LINK: <https://sbi.co.in/web/sbi-in-the-news/procurement-news>) and the application along with all necessary documents for empanelment should be submitted to the under mentioned office;

Asst General Manager (P & E),
Premises & Estate Department,
9th Floor, 'B' Block, Samriddhi Bhawan
SBI, Local Head Office,
1, Strand Road,
Kolkata - 700001

- ❖ **SBI reserves the right to change the dates mentioned in this document, which will be updated in the website.**
- ❖ **The information provided by the vendors in response to this document will become the sole property of SBI and will not be returned. SBI reserves the right to amend, rescind or reissue this application.**
- ❖ **After scrutiny of applications, price bids will be invited from the technically short listed firms only.**

Please note that all the information desired needs to be provided. Incomplete information would lead to disqualification/ non-consideration of the proposal.

Asst General Manager (P&E)

SBI LHO, Kolkata invites applications for pre-qualification/empanelment of vendors for supply, installation, testing, commissioning and annual maintenance contract of automatic fire detection & alarm system (AFD & AS) in State Bank of India buildings/premises in the State of West Bengal, Sikkim and Bay Islands.

A. APPENDIX FOR GENERAL INFORMATION:

a)	Name of the work	Empanelment of vendors for supply, installation, testing, commissioning and annual maintenance contract of automatic fire detection & alarm system (AFD & AS) in State Bank of India buildings/premises in the State of West Bengal, Sikkim and Bay Islands
b)	Application downloading date from SBI website i.e. www.sbi.co.in	15-03-2022 to 12-04-2022
c)	Last date and Time of Submission of application	On or before 4:00 pm on 12-04-2022
d)	Pre - bid Meeting at 9 th Floor, State Bank of India, Local Head Office, Kolkata	From 1500 hrs on 25-03-2022
e)	Place & Address for submission of EOI	Asst General Manager (P & E), Premises & Estate Department State Bank of India 9 th Floor, Local Head Office, 1, Strand Road, Kolkata - 700001
f)	Contact details of Concerned Officials for any clarification	Shri Puneet Kapil Fire Officer - 9674710101, E mail - fo.lhokol@sbi.co.in
g)	Date, Time and Place of opening of application	13-04-2022 at 3:00 pm Asst General Manager (P & E), Premises & Estate Department, 9 th Floor, Local Head Office, 1, Strand Road, Kolkata – 700001 <i><u>Note: - In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day at the same time.</u></i>
h)	Validity of empanelment list	The panel shall be valid for an initial period of (03) Three Years from the date of signing of the contract agreement to the short-listed firms which may be extended or curtailed at the sole discretion of the Bank. Only empanelled vendors will be allowed to participate in the renewal.

i)	Earnest Money Deposit (EMD)	Rs 5000/- (Rupees five thousand only) by way of demand draft favouring SBI, payable at Kolkata as a refundable 'Participation Fees' should be enclosed in the cover containing Technical Bid. Those offers in which the technical bid does not contain EMD will be summarily rejected.
j)	Security Deposit/ Bank Guarantee	The Successful bidders/tenderers have to submit Bank Guarantee/Security Deposit of non interest bearing amount of Rs 1 lakh (refundable) from a scheduled bank other than State bank of India. The Security Deposit will be released only on successful completion of the empanelment period.
k)	Terms of payment of Bills	After receiving the satisfactory SITC reports duly certified by BM as prescribed & scrutinized and endorsed by the Fire Officer, LHO, Kolkata. No advance payment will be made by the Bank.
l)	Taxes	Taxes as applicable would be paid extra.
m)	Electronic Payment	Electronic payment shall be preferred.

Notes:

- a. If, on 12-04-2022 is declared a holiday, then application would be accepted by 1400 hrs on the next working day and accordingly would be opened at 1500 hrs on the same day. You may send your representatives to attend the tender opening process at the given time and date.
- b. Sealed Bid received later than the given time/date will be summarily rejected. Canvassing in any form will lead to disqualification.
- c. The Bank reserves the right to reject any or all the offers without assigning any reasons thereof.
- d. Vendors who are registered under MSME and NSIC will be exempted from EMD fees (Documents to be submitted).
- e. EMD of Rs. 5000.00 (Rs. Five Thousand Only) by way of demand draft favouring SBI, payable at Kolkata **as a refundable 'Participation Fees'** should be enclosed in the cover containing Technical Bid.

GENERAL:

State Bank of India (SBI), Premises & Estate Department, Local Head Office, Kolkata hereinafter referred to as "Bank", intends to prepare a panel of reputed, reliable and experienced contractors / firms / companies individually on their own (no consortium are permitted) for the Supply, Installation, Testing, Commissioning, Repair & Maintenance (including maintenance of existing AFD&ASs) of Automatic Fire Detection & Alarm System (AFD&AS) (hereinafter referred to "AFD&AS") to provide fire protection to our branches and offices located in the State of **West Bengal, Sikkim & Bay Islands**. We are looking for the vendors who have a high degree of expertise in supply, installation, commissioning, repair & maintenance of AFD&AS having well established themselves in this field and who possess good financial strength. **Only those vendors, who satisfy the eligibility criteria on each**

and every parameter as mentioned hereunder, need to submit an Expression of Interest (EOI). Detail area of operation is as under:

S. NO.	ZONES	AREA OF OPERATION
1.	Network – 1	Branches/Offices under Administrative Offices Kolkata and Bidhannagar
2.	Network – 2	Branches/Offices under Administrative Offices Howrah and South 24 Parganas
3.	Network – 3	Branches/Offices under Administrative Offices Durgapur and Siliguri

- 1) Those Vendors who qualify in pre-qualification and Technical evaluation will be eligible for empanelment in the Bank for initial period of Three years from the date of signing of agreement. The validity of empanelment may be renewed and extended at the discretion of the Bank on the existing terms and conditions for another One year, provided that the vendor performance is found to be satisfactory during the Contract period. During this period, Bank shall reserve the right to cancel the panel of vendors, or go in for a fresh empanelment or extend the validity period of empanelment at its sole discretion of the Bank and it shall be binding upon all the vendors who are empaneled through this exercise.

A. DEFINITION OF TERMS & TERMINOLOGIES

1. **Bank/Purchaser'** shall mean the client on whose behalf this tender is issued and his authorized representative.
2. **'Fire Engineers'** shall mean Fire Engineer / Fire Officer appointed by Bank for the project.
3. **'Bidder'** shall mean party who quotes against this enquiry.
4. **'Contractor'** shall mean the successful `BIDDER' whose bid has been accepted by the Bank and on whom Purchase/Work Order will be placed.
5. **'PROJECT'** shall mean the project specified in tender.
6. **'SITE'** shall mean the actual place of work as detailed in specification / tender
7. **'SPECIFICATIONS'** shall mean collectively all the terms and stipulations contained in those portions of contract as general and special conditions, amendments, deletions, revisions as made in agreement or written agreements made pertaining to method of work.
8. **'Month'** shall mean Calendar month.
9. **'Plant/Equipment' and 'Works'** shall mean respectively the goods to be supplied and services to be provided by the contractor.
10. **'Contract/Work Order'** shall mean the order specifying works and associated specifications to be executed by "Bank and Contractor".
11. **'Contract Period'** shall mean the period during which "Bank" and "Contractor" shall execute the entire contract as agreed.
12. **'Guarantee Period' / "Defect Liability Period"** shall mean period during which the plant / equipment and installations shall give same and trouble free performance as guaranteed by contractor.

13. **'Fire Engineer's Instructions'** shall mean instruction oral or written, drawings, direction, explanations issued by Consultant / Fire Engineer / Architects on behalf of the Bank from time to time during period of contract. (All 'oral' instructions shall be authenticated by written instructions immediately.)
14. **'Performance Tests'** shall mean all tests to be carried out by contractor as per specifications prior to installation being taken over by Bank under guarantee.
15. **'Commissioning'** shall mean integrated activity of carrying out performance tests, initial and trial operations of system.
16. **'Drawings'** shall mean all drawings furnished by Fire Engineer / Bank for basis of proposal or for carrying out works, from time to time; all drawing submitted by vendor provided such drawings are acceptable to Fire Engineer/Bank.
17. **'UR'** means quote unit rate.
18. **Acknowledge** - To confirm that a message or signal has been received, such as by the pressing of a button or the selection of a software command.
19. **Alert Tone** - An attention getting signal to alert occupants of the pending transmission of a voice message.
20. **Ceiling** - The upper surface of a space, regardless of height. Areas with a suspended ceiling have two ceilings, one visible from the floor and one above the suspended ceiling.
21. **Ceiling Height** - The height from the continuous floor of a room to the continuous ceiling of a room or space.
22. **Circuit** - Assembly of fire alarm components supplied from the same control equipment and protected against over current by the same protective device(s) or current limitation arrangements.
23. **Circulation Area** - Area (including a stairway) used mainly as a means of access between a room and an exit from the building or compartment.
24. **Combination/Multifunction Detector** – A device that either responds to more than one of the fire phenomena or employs more than one operating principle to sense one of these phenomena. Typical examples are a combination of a heat detector with a smoke detector or a combination of rate-of-rise and fixed-temperature heat detector.
25. **Commissioning** - Process by which it is determined that the installed system meets the defined requirements.
26. **Detector** - A device suitable for connection to a circuit that has a sensor that responds to a physical stimulus such as heat or smoke or flame.
27. **Display** - The visual representation of output data, other than printed copy.
28. **Electrical Conductivity Heat Detector** – A line-type or spot-type sensing element in which resistance varies as a function of temperature.
29. **Evacuation Signal**- Distinctive signal intended to be recognized by the occupants as requiring evacuation of the building.
30. **Exit Plan** - A plan for the emergency evacuation of the premises.
31. **False Alarm** - Alarm of fire that is, false, because the fire reported does not and did not exist. This false alarm may arise by malicious, mistaken or accidental intent.
32. **Fault Signal** - A distinctive audible and visual signal indicating occurrence of a fault within the system (for example, breaks in electric circuit, short circuit or fault in power supply).

- 33) **Fire Alarm Control and Indicating Equipment** - Equipment through which fire detectors may be supplied with power and which:
- a) is used to accept a detection signal and actuate a fire alarm signal;
 - b) is able to pass on the fire detection signal, through the fire alarm routing equipment, to the fire fighting organization or to automatic extinguishers;
 - c) is used to monitor automatically the correct functioning of the system; and
 - d) is used to indicate or display the location of fire / alarm activation device.
- 34) **Fire Alarm Signal** - A signal initiated by a fire alarm-initiating device, such as a manual fire alarm box, automatic fire detector, water flow switch, or other device in which activation is indicative of the presence of a fire or fire signature.
- 35) **Fire Alarm System** - A combination of components for giving an audible and visible / or other perceptible alarm of fire. The system may also initiate other ancillary action.
- 36) **Fixed Temperature Detector** - A device that responds when its operating element becomes heated to a predetermined level.
- 37) **Floor** - Area contained on each storey of the building.
- 38) **Heat Detector** - A fire detector that detects either abnormally high temperature or rate of temperature rise, or both.
- 39) **Ionization Smoke Detection** - The principle of using a small amount of radioactive material to ionize the air between two differentially charged electrodes to sense the presence of smoke particles. Smoke particles entering the ionization volume decrease the conductance of the air by reducing ion mobility. The reduced conductance signal is processed and used to convey an alarm condition when it meets preset criteria.
- 40) **Maintenance** - Repair service, including periodic inspections and tests, required to keep the fire alarm system and its component parts in an operative condition at all times, and the replacement of the system or its components when they become undependable or inoperable for any reason.
- 41) **Manual Call Point** - A manually operated device used to initiate an alarm signal it can be manual alarm system or part of automatic alarm system.
- 42) **Mimic Panel** - A panel in which the floor/area plans of the premises are projected to reduced scale to enable easy identification of the sector/zone.
- 43) **Multi-Sensor Fire Detector** - Fire detector that monitors more than one physical and/or chemical phenomenon associated with fire. Typical examples are a combination of a heat and smoke detector or combination of heat and gas detectors.
- 44) **Photoelectric Light Obscuration Smoke Detection** - The principle of using a light source and a photosensitive sensor onto which the principal portion of the source emissions is focused. When smoke particles enter the **light** path, some of the light is scattered and some is absorbed, thereby reducing the light reaching the receiving sensor. The light reduction signal is processed and used to convey an alarm condition when it meets preset criteria.
- 45) **Photoelectric Light-Scattering Smoke Detection** - The principle of using a light source and a photosensitive sensor arranged so that the rays from the light source do not normally fall onto the photosensitive sensor. When smoke particles enter the light path, some of the light is scattered by reflection and refraction onto the sensor. The light signal is processed and used to convey an alarm condition when it meets preset criteria.

- 46) **Smooth Ceiling** - A ceiling surface uninterrupted by continuous projections, such as solid joists, beams, or ducts, extending more than 100 mm below the ceiling surface.
- 47) **Standby Supply** - Power supply, commonly from a rechargeable battery, which is automatically connected to the fire alarm system when the normal power supply fails.
- 48) **Trouble Signal** - A signal initiated by the fire alarm system or device indicative of a fault in a monitored circuit or component.
- 49) **Zone** - Area or space that has a group of automatic and/or non-automatic fire detection devices for which there is a separate common display in the control and indicating equipment.

B. INSTRUCTIONS TO THE APPLICANTS FOR EMPANELMENT

- 1) Intending applicants are required to submit their applications with full bio-data giving details about their organization, experience, technical personnel in their organization, competence and adequate evidence of their financial standing etc. in the enclosed form which will be kept confidential.
- 2) While deciding upon the empanelment of Firms/Organizations, great emphasis will be laid on the ability and competence of applicants to do good quality works within the specified time schedule and in close co-ordination with Bank as well as other related agencies.
- 3) Decision of the Bank in regard to selection of Firms / Organizations will be final. The Bank is not bound to assign any reason for acceptance / rejection of any applications.
- 4) Each page of the application will be signed and stamped. The application shall be signed by persons/ persons on behalf of the organization having necessary authorization/ Power of Attorney to do so (Certified copies to be enclosed).
- 5) If the space in the Performa is insufficient for furnishing full details, such information may be supplemented on separate sheets of paper, stating therein the part of the Performa and serial number. **Separate sheets shall be used for each part. However, the format shall be strictly as per Performa.**
- 6) Applications containing false, incomplete and/or inadequate information are liable to be rejected. Also mere fulfillment of eligibility criteria does not guarantee selection.
- 7) While filling up the application, clarification, if any, may be obtained from the office of Asst General Manager (P&E), State Bank of India, Local Head Office, Kolkata.
- 8) **Applicants selected in the SBI panel shall have to deposit a non-interest bearing amount Rs. 1,00,000/- as 'Security Deposit' as decided by the Bank.** Applicants selected in the Bank's panel will be informed about the same **after finalization of the panel.**
- 9) Canvassing in any form in connection with selection is strictly prohibited and the application of such persons / organizations will be liable to rejection.
- 10) **Those who are already empaneled and wish to do the work in this category need to apply afresh.**
- 11) The Bank reserves its right to reject any / all the applications without assigning any reasons, whatsoever thereof. Incomplete / partly filled applications without relevant enclosures may not be considered for evaluation and would be rejected.
- 12) Disputes, if any, regarding the empanelment shall be within the jurisdiction of Court in Kolkata.

- 13) It will not be binding on the Bank to invite all the empaneled firms / vendors to participate in various works. The Bank may prepare a select list out of the empaneled firms/vendors to participate in a/any work.
- 14) The Bank is not responsible for the late receipt/ non receipt due to postal delay, strikes or any other reasons. The applications received on the given date and time will only be taken up for further evaluation.
- 15) The empanelment shall be valid **for an initial period of 03 - Years subject to satisfactory performance which will be reviewed yearly.** Bank will reserve the right to cancel empanelment by giving a notice of one month without assigning any reason.
- 16) ***The agencies / firms / manufacturers shall not use logo and name of the State Bank of India on their letter head, sign board and rubber stamp etc.***

C. ELIGIBILITY CRITERIA:

1. Financials:

- a) **The Manufacturer/ Firm/ Company/ Dealer/ Vendor should have minimum average turnover of Rs 50 Lacs and above for 3 years. For the purpose of calculating average turnover best 3 during last 05 consecutive Financial Years ending 31st March 2021 shall be considered. The Manufacturer / Firm / Company / Dealer / Vendor should be in the same field of business of installation and maintenance of Automatic Fire Detection and Alarm System (AFD&AS) and should also be presently in same business. (Attested photocopies of the ITRs and Audited Balance Sheets of last 05 years should be provided).**
- b) The company should be in **profit during the period being considered for turnover.**
- c) **A valid and current Solvency Certificate from a Scheduled Bank for Rs.10 Lakhs should be enclosed.**

2. Work Experience:

- a) The Manufacturer / Firm / Company / Dealer / Vendor should have **minimum 05-Years** experience in supply, installation, testing, commissioning, maintenance and repair of *Automatic Fire Detection and Alarm System*. They should enclose copies of contract orders and installation certificate along with satisfactory performance certificate from customers. The Manufacturer / Firm / Company / Dealer / Vendor should have successfully completed similar works of supply, installation, testing, commissioning, maintenance and repair of *Automatic Fire Detection And Alarm System for 05 years* and **at least / minimum five reputed Public Sector Undertaking / Organization / State / Central Govt., of which minimum two should mandatorily be Public Sector Bank, during last 05 Years as on 31/03/2021.**
- b) The Manufacturer / Firm/ Company/ Dealer/ Vendor and should have carried out minimum 200 installations works of Automatic Fire Detection and Alarm System in last 5 years of which 100 installations should be in Branches / Offices of PSU Banks.
- c) The above specified 100 installations in the PSU Banks should have consisted of minimum of 10 or more detectors, below which will not be considered.
- d) The Manufacturer / Firm/ Company/ Dealer/ Vendor and should have carried out 500 AMC works of Automatic Fire Detection and Alarm System in last 5 years of which 300 AMC should be in Branches / Offices of PSU Banks.

- e) **Similar Work** shall mean; Supply, Installation, Testing Commissioning, maintenance and repair of AFD&AS consisting of a minimum **10** or more Detectors other than PSU Bank.
- f) Documentary proof should be provided in support of experience like order copy/contract copy and installation certificate/satisfaction certificate from customer.

3. **Registration Requirements:**

- a) Must have valid PAN, GSTs Registration Number etc.
- b) **All the liabilities and penalties arising out of violation of any of laws, rules, regulations shall only be borne by the Manufacturers/ Firms/ Companies/ Dealers/ Vendors and Manufacturers/ Firms/ Companies/ Dealers/ Vendors shall keep the Bank fully indemnified for any violation or breach thereof..**

4. **Products Certifications:**

The components of the AFD&AS proposed to be installed by the applicant should bear certification by one of the standards as listed against each item below i.e. UL (Underwriters Laboratories Inc), BS ("British Standard"), FM ("Factory Mutual"), BIS (Bureau of Indian Standards), LPCB (Loss Prevention Control Board) ERTL(Electronic Research & Testing Laboratory) / ETDC (Electronics Testing and Development Center). UL certification will be preferable. A copy of relevant certification needs to be enclosed.

5. **Authorization Letter:**

- a) The applicant should submit the authorization Letter in original from the Principals / OEMs (Original Equipment Manufacturer) / Distributors whose products are proposed.
- b) The Applicant should either be the original equipment manufacturer of the proposed system or a subsidiary company of a manufacturer company for such system or an authorized supplier / channel partner of a manufacturer / System Integrator, of the proposed system.
- c) The Applicant shall have back-to-back agreement with each of the equipment Manufacturer, so that direct support for maintenance, spares and upgrades is available **for at least 5 years** from the date of installation of the system.
- d) State Bank of India reserves the right to visit / inspect Applicant / Manufacturer facilities to ascertain the above facts. The Bank's representatives may visit the applicant's factory site / offices and contact his past clients for verification of information given by the applicant. The applicant will be required to give / arrange the necessary facilities for any such verification process.

6. **Service Support Office:**

- a) The applicant should have ***an established office / service centre with adequate technical personnel at least at two of these locations i.e. Kolkata/ Burdwan/ Siliguri/ South 24 Pgs. This office/service centre should have been operational for a minimum period of last 03 years in continuation from the date EOI backwards*** and as when required, the applicants also must be prepared to open additional support offices at new centers where Admin Offices are located from the perspective of providing 24 X 7 post implementation support.
- b) Complete address, contacts and Documentary evidence (Lease / Rent Agreement) for the same needs to be provided. **Registration certificate under Shops & Establishment act from State Government is mandatory as on date of publication of the tender notice.**

- c) The contact details, specially the Telephone numbers, of service centres should remain unchanged during the currency of vendor's relation/agreement with SBI, Kolkata Circle. Changes, if any, due to some unforeseen circumstances should be intimated in writing to P&E Dept, Kolkata.

7. **Product Literatures:**

- a) Applicant shall furnish as a part of bid, documents establishing the applicant's ability to execute the work.
 - b) The applicant shall also submit documentary evidence in the form of literature, drawing & data on the AFD&AS Product offered.
 - c) Evaluation will be done on the basis of the documents submitted along with the bid without any further reference to the applicant.
8. The intending Manufacturer / Firm / Company / Dealer / Vendor who are under arbitration / litigation with our Bank or have been black listed / de-listed / de-empaneled by any Government / Semi Government / Nationalized Public Sector Banks / Public Sector Undertaking (PSUs) / Financial Institutes (FIs) / Corporate Offices will not be considered for Empanelment. **A valid Affidavit, on a Stamp Paper duly attested by Notary / Magistrate, to be submitted to this effect along with the application.**

D. **SELECTION PROCESS:**

- a) Bank will evaluate the application for EOI's on Pre-qualification Mandatory Requirements based on eligibility criteria, and those who meet the criteria will be evaluated based on the scoring sheet and cut off requirements for short listing the applicants. Also it may kindly be noted that there are some mandatory requirement in the scoring sheet which must be complied, failing which the application would not be considered.
- b) Marks under each parameter will be awarded by the committee but will not be disclosed to the vendors. Minimum qualifying marks shall be marks obtained within **20%** of the highest obtained marks. The bids of vendors securing less than the qualifying marks will not be considered for further evaluation. **For example** if the highest vendor score 90 marks, than applicants scoring 72 marks and above will be considered for further process.
- c) During evaluation and comparison of bids, the Bank may, at its discretion ask the vendors for clarification of its bid. The request for clarification shall be in writing. No post bid clarification at the initiative of the vendor shall be entertained.
- d) Only the short listed applicants i.e. who fulfilled the eligibility criteria and other terms and conditions would then be invited by the Bank to make a presentation of their equipment and their proposed methodology, at their own cost on the date, time and place, to be intimated later.
- e) Only final short listed applicants will be allowed to participate in financial bid through OFF-LINE/E-bidding as per the Bank's requirement.
- f) The Bank reserves the right to reject any or all Expression of Interest without assigning any reasons whatsoever. The Bank also reserves the right to change or modify any specification / configuration on a later date / during the process of bidding / demonstration / actual installation of the system.

E. AWARD CRITERIA

- a) As the number of branches and area is quite large, it is considered that it is beyond the capability of one vendor to carry out the same. In view of the above the work may be distributed amongst the Vendors/Bidders at L-1 rates. The allocation of work will be done in the following manner provided the vendors at L-2, L-3 etc., are willing to accept L-1 rates. The ratio of work among L-1,L-2 etc will be decided by the Bank depending upon the total firms shortlisted in the tender process.
- b) In case any/each of L2 to L5 are not willing to work for L1 rates than the offer will pass to the next vendor's i.e. L6, L7 and so on. In case the no vendor agrees to work in L1 price, than the entire contract shall be performed by L1 vendor.
- c) The Bank will award the Contract to the successful Vendor who has been determined to qualify to perform the Contract satisfactorily, and whose Bid has been determined to be responsive, and is the lowest evaluated Bid i.e L-1. **The Bank may, if considered necessary, hold comprehensive price negotiations with L-1 vendor.**
- d) In case L-1 shows unwillingness to work than again commercial bidding (Online /Offline) will be done. The L-1 vendor who after bidding showed unwillingness to do work , his EMD will be forfeited and will not be allowed to participate in future **tender process for three years.**
- e) The Bank reserves the right at the time of award of contract to increase or decrease the numbers of branches or numbers of security system required or change in location where equipment are to be supplied from what was originally specified while floating the EOI without any change in unit price or any other terms and conditions.
- f) It will be mandatory to accept work of Regions comprising of urban as well as rural branches and also vendor should be willing to take up work of supply and maintenance together. Once final list of panel is arrived at after financial bid, Bank has a right to allot the work / areas / region to any vendors based on commonality in AFD&AS so as to have a better vendor management and also as per the emergent requirement of the Bank the work could be assigned to any vendor.
- g) The firms will have to enter into annual maintenance contract agreement with our LHO or any office decided by the Bank.
- h) Allotment of work and the area of operation to the finally empaneled vendors would be at the sole discretion of the Bank.
- i) The rate contract shall initially be for a **period of empanelment i.e.** 3 years. At the end of this period the Bank reserves the right to renew empanelment and review the rate rates, if required as per Bank's discretion.
- j) The Bank reserves the right to reject or accept any or all the offers without assigning any reasons and also to cancel the empanelment by giving clear one month notice.
- k) Vendors so empaneled should comply with all statutory and labour laws, rules and regulations of central/state govt. at their own cost.
- l) Training to be provided by manufacturer at site to Department officers. Operator level training should be provided by the applicant at their own cost.
- m) Incomplete applications and those received late will be rejected by the Bank. The decision of Bank to accept or reject any application for pre-qualification will be final.

- n) If at any stage the information furnished by the applicant is found to be incorrect / inaccurate the empanelment of the applicant(s) is liable to be cancelled at the sole discretion of the Bank.
- o) Bank will not enter into any correspondence with applicant except in case of clarification sought with regard to this document only if considered appropriate by the Bank.

AVAILABILITY OF APPLICATION FORM FOR EXPRESSION OF INTEREST AND SUBMISSION THEREOF:

- a) Document / Application form for EOI may be downloaded from <https://www.sbi.co.in> , through 'procurement news' link.
- b) For further clarification, if any, may please be email on fo.lhokol@sbi.co.in or contact Fire Officer (9674710101) during office hours i.e. 1000 AM to 1700 PM.
- c) Forwarding letter and the application form for Expression of Interest along with required enclosures, completed in English and duly signed by the authorized signatory must be submitted, in sealed envelopes, superscribed "**Expression of Interest for Automatic Fire Detection & Alarm System (AFD&AS)**" along with the company profile and the relevant certificates / documents and should reach before closing date & time.

F. GENERAL REQUIREMENTS AND MINIMUM TECHNICAL SPECIFICATIONS OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFD&AS)

GENERAL:

The purpose of a fire detection and alarm system is to detect fire at the earliest practicable moment and to give an alarm so that appropriate action can be taken (e.g. evacuation of occupants, triggering of extinguishing processes etc.). An alarm system may be activated by automatic detection devices or by manual operation of manual call points.

The general principles given below are a guide to design and construction of fire detection and alarm systems. A fire detection and alarm system should:

- a) Detect quickly enough to fulfill its intended functions.
- b) Reliably transmit the detection signal.
- c) Translate this signal into a clear alarm indication that will attract the attention of the user in an immediate unmistakable way and indicate the location of fire and initiate operation of ancillary service, such as fire extinguishing system etc.
- d) Remain intensive to phenomena other than those which its function is to detect and
- e) Signal immediately and clearly any supervised fault that might jeopardize the correct performance of the system.

1. SCOPE OF WORK:

- 1.1 The work under this section shall consist of furnishing all labor, material, equipment, and appliances necessary and required to completely install automatic and manual fire detection and alarm system facility as required by the drawings and specified here in after or given in the schedule of qualities.
- 1.2 Without restricting to the generally of the foregoing, the fire Detection & Alarm System shall include the following:-

- a) Ionization smoke detectors, Optical Detectors, Rate of Rise cum Fixed Temperatures Heat Detectors, Fixed temperature heat detectors, Manual call points, Electronic Hooters/Sounders, Response Indicators, and Accessories as specified.
- b) Metallic conduits (rigid/flexible), PVC insulated copper conductor cables, armored cables, glands, tees, bends, special fittings, junction boxes etc. as specified.
- c) Main Fire Alarm Control panels, local control panels (floor panels), batteries, and battery chargers etc. as specified.

2. **GENERAL REQUIREMENTS:**

- 2.1 All material shall be of the best quality conforming to Specifications and subject to the approval of the Bank Fire Officer.
- 2.2 All conduit pipes/cables shall be fixed truly vertical, horizontal or in slopes as required in a neat workman like manner or as advised by the Fire Officer
- 2.3 All conduits, cables, junction boxes etc. shall be securely fixed to brick/RCC walls and ceilings by suitable clamps at regular intervals. Only approved type of anchor fasteners shall be used.
- 2.4 Control panels shall be so located that they are easily accessible for operations, repairs, and maintenance.
- 2.5 Detectors shall be provided at appropriate spacing as given in IS: 2189:2008. The spacing shall also be in conformity with the drawings and properly coordinating with electrical fixtures, air conditioning ducts / grills, beams and other ceiling services. Contractor shall submit detailed layout drawings to Fire Engineers/Consultants in charge for approval before commencement of work.

3. **SMOKE DETECTORS: (ADDRESSABLE AND NON-ADDRESSABLE)**

3.1 **IONISATION TYPE:**

Ionization Detector should respond to visible as well as invisible smoke generated by shouldering or open fire. It shall basically consist of two ionization chambers containing American – 241 foils, an electronic circuit, connection contacts to the base an easy to clean protective housing.

3.1.2 The detector shall also be compatible to work with heat and photo electronic (optical) smoke detectors and shall have interchangeable base. **The detectors shall be UL/FM listed approved.**

3.2 **OPTICAL TYPE:**

Optical smoke Detectors shall contain an emitter, a solid state light emitting diode (LED) which, with its associated lens system, shall produce a hollow circular beam of light. A silicon photocell shall be positioned in the central dark area of the hollow beam, so that in the absence of smoke no light is received. When smoke enters the chamber a combination of reflection and deflection from smoke particles shall cause light from the beam to impinge on the photocell. **The detector shall be listed with UL/FM approved.**

4.0 **HEAT DETECTORS: (ADDRESSABLE AND NON-ADDRESSABLE)**

- 4.1 The heat detectors shall be combined rate of rise cum Fixed temperature, Re-settable type preferably operating on twin thermistor principle where one thermistor is exposed and is therefore in good thermal contact with the surrounding air and responds quickly

to changes in air temperature and the other is thermally insulated from the surrounding and responds less quickly resulting in electrical imbalance. One fixed temperature setting the detector shall operate at 60°C. The sensitivity of the detector shall be as per the requirements of IS: 2175 for grade I Heat Detectors. **The detectors shall be UL/FM listed approved.**

5.0 **MANUAL CALL POINT: (ADDRESSABLE AND NON-ADDRESSABLE)**

5.1 Each manual call point unit shall comprise of a push button of reputed make enclosed in an M.S./Cast Aluminum /PVC Box with provision for cable or conduit coupling/gland from top. The manual push button shall have the words prescribed in clear bold letters on facial window. **“In case of Fire Break Glass,”** installation of the manual push button shall be as per IS: 2189. Alarm status in red colour LED.

6.0 **ELECTRONIC HOOTER (SOUNDER WITH FLASHER/STROBE):**

The dual tone electronic hooter shall be provided so that it gives discontinuous/intermittent audible alarm automatically whenever the automatic/manual detector operates and is distinct from the background noise in every part of the premises. The mode of the alarm sounders shall be quite distinct from any other sounder to be heard. All hooters shall produce a similar sound and shall maintain the same during their operation. Hooter shall be complete with electronic oscillation, magnetic coil (sound coil) and accessories ready for mounting (fixing) and confirming to IS: 2189-2008.

7.0 **REMOTE RESPONSE INDICATOR:**

The remote Response indicator shall consist of a steady glowing LED similar to the one provided at the base of the detector. This LED shall be mounted with in a M.S. box of 16 SWG and connected in parallel to the built-in indicator of the detector by a 2 core cable. The response indicator shall come “ON” as soon as the detector actuates. The M.S. enclosure shall be painted externally and internally in synthetic enamel paint of approved shade. The LED shall be so provided that it is visible from the side also.

8.0 **MICROPROCESSOR BASED FIRE ALARM CONTROL PANEL SPECIFICATIONS:**

8.1 (NON-ADDRESSABLE)

Good quality design and with latest technology for fire alarm control panels. This microprocessor based conventional Fire Alarm Control panel, is designed to be used for Commercial bank's building. Control Panel 2 / 4 / 8 Zone Fire Alarm Control panel with provision to add at least 8 repeater panels Microprocessor based system **SMPS** power supply, battery backup and inbuilt Charger and inbuilt transient protection for power supply and mother board LCD Display & Tactile keypad with password protection Three Form C programmable Relays for fire, fault and supervisory Four/ Eight Style B (Class B) Initiating Device Circuits(IDC's) Two programmable NAC output facility IP-50 rating and compatibility with all conventional detectors Inbuilt RS-485 communication capability; provision to have zone wise sounder output and / or zone wise relay output. Other detailed requirements are as under:

Panel Features:

(I) **Primary Power:** 110 - 220VAC ± 10%, 50 Hz, 2.5Amps.

(II) **Standby Power:** 24v D.C (2 Nos. of 12v, 12Ah SMF battery).

(III) **Operating Condition:**

- ✓ Operating Temperature – 0 - 49° C/32-120° F.
- ✓ Relative Humidity – 93±2% RH (non - condensing) at 32 ±2° C

(IV) Charging Circuit

- ✓ Charging Voltage – 28.2V, ±0.5V
- ✓ Charging Current – 800mA (Max.).

(V) Initiating Device Circuits

- ✓ All zones are Class B Style B/C operation (Programmable).
- ✓ Normal Operating Voltage: 14 - 21 VDC.
- ✓ Alarm Current: 15 – 30mA.
- ✓ Short Circuit Current: 45mA Maximum.
- ✓ Loop resistance: 100 ohms Maximum.
- ✓ End-Of-Line Resistor: 3K9, 1/2watt
- ✓ Standby Current: 7mA (2mA for Detectors)

(VI) Notification Appliance Circuits

- ✓ Class – B Style - Y wiring
- ✓ Operating Nominal Voltage: 24VDC – Special Application
- ✓ Current for all NACs: 1.2Amps (0.6A per circuit)
- ✓ Current Limit: CN5 and CN6 via Thermal Fuse
- ✓ Line Drop: 1.8V
- ✓ End-Of-Line Resistor: 3K9, 1/2watt

(VII) Operating Voltage:

- ✓ Supervised 24VDC regulated, 300mA Max. (For 4 wire smoke detector)
- ✓ Common Three Forms – C Relays – CN2, CN3, CN4
- ✓ Relay Contact Rating: 2Amps @ 30 VDC, 0.5 Amps @ 125VAC.
- ✓ Power Factor: 1.0

(VIII) Controls:

a) ACK. Key:

- ✓ To mute local buzzer in alarm condition.

✓ To mute local buzzer in Supervisory or fault condition.

✓ User or Admin password protected.

b) SILENCE Key:

✓ To silence the external NACs in Fire Condition.

✓ User or Admin password protected.

c) RESET Key:

✓ To reset the particular zones in Fire alarm or Latched Supervisory condition.

✓ User or Admin password protected.

✓ Possible to access only after silence in alarm condition.

d) EVACUATE:

✓ To activate External NACs Manually.

✓ User or Admin password protected.

e) CURSOR KEYS:

✓ To move the cursor point in the LCD as required.

f) ENTER Key:

✓ To accept the programmed or edited menu, mode or value in the LCD.

g) MENU Key:

✓ To enter into the Main Menu in the LCD.

h) CHANGE KEY:

✓ To change the status of modes.

(IX)Indications:

✓ LED indication

✓ System on – Green

✓ Fire – Red

✓ Fault – Yellow

✓ Supervisory – Yellow

✓ Mains Fail – Yellow

✓ Battery Fault – Yellow

- ✓ Earth Fault – Yellow
- ✓ System Fault – Yellow
- ✓ Silenced – Yellow
- ✓ NAC Fault – Yellow
- ✓ Walk Test – Yellow
- ✓ Charger Fault - Yellow
- ✓ Zone Fire – Red
- ✓ Zone Supervisory – Yellow
- ✓ Zone Fault – Yellow
- ✓ Zone Disable – Yellow

(X) LCD Indication:

The LCD is mainly used for the programming of the panel. It also indicates all events along with the LED indications except system on and system fault.

(XI) Local Buzzer

- ✓ A piezo buzzer provides separate and distinct sounds for alarm, trouble and supervisory conditions:
- ✓ Alarm – Continuous
- ✓ Fault – pulse 0.5sec ON and 5sec OFF
- ✓ Supervisory – pulse 0.25sec ON and 0.25sec OFF

(XII) Mechanical Construction

The enclosure of the Panel is constructed by minimum 16 gauges , CRCA sheet with powder-coated finish for Indian Std.) 10 no's of knockouts are given for cable entry at the top of the cabinet. The lockable hinged door is provided to access the inside the cabinet. The panel also has sufficient space to accommodate 2 Nos. of 12v, 7Ah batteries.

(XIII) Cabinet

The Cabinet measures 440mm width X 340mm Height X 120mm Depth and space is provided for 2 x 12 Volt 7Ah Batteries, main circuit board and display board.

(XIV) Switch Functions

The Keys, which are non-masked, are used for the general operation of the Fire Alarm Panel. The Non-masked keys are Silence, Reset, Ack., Evacuate and Enter keys.

- a) **SILENCE Key:** When the silence key is pressed, after entering the user or admin password the following will occur:

- ✓ The silence able Notification Appliance Circuits will be turned OFF, the Silence LED will be turned ON. Upon the occurrence of a subsequent fire event, Signal Silence is over ridden and the control panel will respond to the new event.
- b) **RESET Key:** When the Reset key is pressed, after entering user or admin password, the control panel will:
- ✓ Clear the status LED's.
 - ✓ Bring back the LCD display to the healthy condition.
 - ✓ Turn off the Notification Appliance Circuits.
 - ✓ Reset fire zones by temporarily removing power.
 - ✓ Restore all system relays to normal.
 - ✓ Temporarily remove power from the resettable power output.
 - ✓ The Reset key is accessible only after silencing in alarm condition.
 - ✓ Any alarm, supervisory or trouble condition that exists after a system reset, will resound the system, reactivating normal system activity.
- c) **ACK. Key:** This key is used to acknowledge the buzzer tone during the fault and fire condition. This key can be operated with user or admin password.
- d) **EVACUATE Key:** This key is used to energize the all-external NAC's without actual fire; it will operate at user or admin level. Using the silence key NAC output can be silenced.
- e) **ENTER KEY:** This key is used to accept the entries and edit the programmed menu.
- f) **MENU Key:** This key is used to get into the program menu and get back to the previous menu screen.
- g) **CURSOR KEYS:** The cursor keys (Right / Left arrows) are used to move the cursor point wherever required.
- h) **CHANGE KEYS:** These key is used to change the status of modes & to clear the password entries.
- i) **SYSTEM ON:** This LED will glow when the panel is energized by primary and standby power. This is the only LED glowing in the normal monitoring condition. The LCD Display will show as FIRE ALARM, SYSTEM HEALTHY.
- j) **MAINS FAIL:** Whenever the Main Supply (110 - 220v A.C) fails, the Mains fail LED will be illuminated and it also indicated in LCD with toggle Buzzer tone. The LCD Display as shown in the figure 22, 'Mains fail' will be displayed in the fault screen.
- k) **BATTERY FAULT:** Whenever the backup battery fails, the battery fault LED will be illuminated and it also indicated in LCD with toggle Buzzer tone. Similarly the same

LED will be illuminated when the battery voltage goes down below the 21.6v (Battery Low).

- l) **CHARGER FAULT:** Whenever the battery charger section is fails, the charger fault LED will be illuminated and it also indicated in LCD with toggle tone.
- m) **EARTH FAULT:** Whenever the Initiating Device circuits (IDCs) and Notification Alarm Circuits (NACs) are gets contact with the Earth or Body of the cabinet, the corresponding fault LED, earth fault LED and common fault LED will be illuminated and it also indicated in LCD as corresponding circuit is earth fault with toggle Buzzer tone. The Earth fault can be created through 0 Ohms resistor.
- n) **SILENCED:** This LED will glow when the silence key is pressed in fire condition only.
- o) **NAC FAULT:** Whenever there is any fault in Notification Appliances Circuits like NAC loop Open / Short / Earth fault, it will be identified by COMMON NAC FAULT LED.
- p) **WALK TEST:** The Walk test and zone disable LED will glow whenever the zones are under walk test mode.
- q) **FIRE:** This twin fire LED will glow when any one or more of the zones are in fire condition.
- r) **FAULT:** This fault LED will glow when any one or more of the zones are in fault condition.
- s) **ZONE FIRE:** This fire LED will glow when the zones are fire condition. The first fired zone continuously in blink and other zone fire LED will glow steadily in fire condition. The fired zone is displayed in the LCD, first fire zone and total no. of zone is displayed separately.
- t) **ZONE FAULT:** This fault LED will glow when there is an open or short or earth fault in that particular zone.
- u) **ZONE DISABLE:** This zone wise LED glows steadily in disabled condition and blinking in the Walk test mode.
- v) **Lamp Test:** The lamp test function done by pressing 'Enter' key in system (Panel) is normal condition. In this mode, all the LED's are checked for good condition by glowing all LED's.

(XV) **Walk Test Mode:**

The panel should provide the capability to perform a walk test of the system without triggering the Fire Relay, alarm output (NAC) relay. Walk test Mode allows for testing of all the zones. An audible or silent walk test may be performed. For an audible walk test, the initiating device activated on a zone will cause the Notification Appliance Circuits to turn on for five seconds. Any smoke detectors that are activated will be reset automatically. Zonal faults (open circuits) will cause the NAC to remain on steadily. Prior to entering Walk test Mode, check to be certain that zone fault have been cleared. Placing the control panel into Walk test Mode will only be

possible if the system has no active alarms. After entering into the walk test mode, the fire relay contact disablement is activated automatically and it will go back to previous status while we are coming out from this mode. For other zones that are not in test condition, if they sense any fire, then the Fire relay output will activate by considering it as actual fire.

- ✓ Disable the fire relay
- ✓ Display all alarm conditions as they occur
- ✓ Display all zone troubles as they occur
- ✓ Display all system troubles as they occur

(XVI) **Compatible Devices:**

- a) Photoelectric Smoke detector with base.
- b) Heat detector with base.
- c) Photoelectric & Heat detector with base.
- d) Conventional Manual Call Point.
- e) Conventional Sounder.

8.2 ADDRESSABLE

The following features should be available in the AIFAS

- (i) The Main Control Panel has single loop only.
- (ii) Each Component on the loop viz. sensor, call point etc. has its unique address and in case of actuation, the system must display the sensor number and its location on a LCD display having a capacity of four lines and each line has 20 characters.
- (iii) The System compatible to 'addressable detectors' as well as with conventional detectors of 'Apollo, make' with use some modification.
- (iv) The loop has the capacity to add one or more addresses, if required, up to a number of 250.
- (v) If the loop is totally disconnected at any one point, all the detectors still able to detect fire/ fault besides enunciating the trouble through LCD display.
- (vi) Change of polarity of the loop does not affect its performance.
- (vii) Change of polarity of loop displays on LCD Screen.
- (viii) Detector loop short fault displays on LCD.
- (ix) In addition to SL No. 2 above, any address also have more than one detector, if so desired by Bank. For example, 'Record Room' has two or more detectors in the same address.

- (x) The Main Control Panel is display 'Module Fault', such as
 - (a) Detector OPEN
 - (b) Detector SHORT
- (xi) Change the polarity of the battery does not affect its performance.
- (xii) Battery is connected or not, displayed on LCD.
- (xiii) REVERSE Polarity of battery is displayed on LCD.
- (xiv) The battery have pulse width modulation charging arrangement.
- (xv) LOW VOLTAGE of battery displayed on LCD.
- (xvi) There is OVER VOLTAGE cut-off facility.
- (xvii) Battery Charging indication is displayed on LCD.
- (xviii) Hooter is connected or not, displayed on LCD.
- (xix) System on AC or DC is displayed on LCD.
- (xx) EARTH is connected or not, displayed on LCD.
- (xxi) The system has Real Time Clock (RTC).
- (xxii) The system is capable of operating under any voltage between 80 Volts to 260 Volts without any malfunctioning whatsoever.
- (xxiii) In Built AUTO-DIALER with 6 stored numbers is available.
- (xxiv) The System has a programmable Hooter off timer.
- (xxv) There is an automatic self-testing mode.
- (xxvi) The sequential fire detection & alarm process will start with a Warning BEEP immediately on detecting a fire then the system reset automatically and on second time detection of the fire, it will be confirmed and the Hooter will go on. This will cut the chances of false Alarm. However, the whole process does not take more than 10 seconds.
- (xxvii) The system is capable of storing history of last 10 annunciations.
- (xxviii) 250 Addresses are divided in to 12 Zone format. Zone can also use for floor wise.
- (xxix) In case of detection of fire exact location of Fire will be conveyed via SMS. Viz."Fire detected at SYSTEM ROOM, SBI (branch name) Branch".
- (xxx) Provision GSM auto dialer.

(xxxi) This system has facility of wireless detectors (“Optional”).

9.0 **ELECTRONIC CABLES, WIRING & CONDUITING:**

9.1 All wires / cables to be used for the system shall confirm to the following as specified in BOQ.

- a) PVC insulated copper conductor cables confirming to and marked IS: 694: 1990 having minimum 1.5mm² cross- sectional areas or as specified in BOQ. If stranded at least 0.5mm² cross-sectional should be used.
- b) Armoured PVC / Rubber insulated cables confirming to and marked IS: 1554 (Part – I) 1988.

9.2 Joints in the cables shall necessarily be avoided. Where joints are unavoidable for qualified reasons all visible areas of the junction boxes shall be painted signal red.

9.3 The maximum number of wires that can be drawn in conduit shall be governed by the CPWD Specification for internal electrical works (Part-I).

9.4 Insulation on cable should not be lesser than one Mega Ohm when tested with a 500 Volts Megger for any particular section of the wiring.

10.0 **INSTRUCTION MANUAL:**

10.1 The record engineering drawings and operating instructions shall be supplied by the installers on completion of the installation. Drawings shall clearly indicate, for maintenance and record purposes, the position of various items of the equipment, junction boxes, sizes and routes of all cables and wires and such other relevant details. If so desired by the user, circuit diagrams of fire alarm system and its components should also be supplied. These drawings and operating instructions shall be kept up – to – date and be available for convenient reference and shall be available for convenient reference and should be located in the control room.

10.2 The installer shall supply the user with a log book. The log book shall be maintained for recording details, including causes of all the alarms (genuine, practice, test or false), faults, service tests and routine inspections, servicing/repairs, etc, as and when done. Periods of disconnection/in operation should also be shown.

MINIMUM TECHNICAL SPECIFICATION FOR CONVENTIONAL AUTOMATIC FIRE DETECTION AND ALARM SYSTEM (AFD&AS)

S.N.	Technical Specifications	Compliance Yes / No
1	2/4/8 zone Main Control Panel as per latest IS specifications (IS: 2189 & IS: 15908) with inbuilt GSM (with facility to dial at least 5 telephone no's each and voice message of at least 20 seconds) zone indicator and backup. UL listed panel will be preferable.	
2	The panel must be TCP/IP enabled and CMS compatible with IP module to connect online to a central station for alerts, manual alarm (eMCP), reset facility (optional), event logs (min. 500 logs)	
3	Provision for INBUILT AUTO DIALER. With option to remotely change the numbers in the auto dialer from central site/ Administrator.	
4	Test report by the Regional Electronic Test Development Centers or BIS certification is mandatory for Electronic fire alarm System	
5	On activation it should initiate Audio alarm (The sound characteristic of the alarm should be continuous and similar throughout the protected premises) as well as visual signal on sector/zonal panel of the control panel	
6	On fault i.e., open / short condition, buzzer must sound and indicator lamp (LED) glows. This audible alarm should be distinct from the Fire Alarm. Trouble reminder	
7	Panel should be compatible with all type of standard conventional detectors (min. 20 in each zone). Alarm activation by Flame detectors, Ionization Smoke Detector (ISD), Optical Smoke Detector (OSD), Heat Detector and other compatible sensors with provision of Response Indicator (RI), Manual Call Point with break glass arrangement (MCP) etc. All the smoke detectors shall conform to latest IS specifications and shall be compatible with conventional fire alarm system/panel	
8	All the wiring should be done using Fire proof Armored wiring/cables	
9	The control panel should have inbuilt keypad, Test facility, ON - OFF indicators, acknowledge button, where required cancel/reset/isolation button, related fuses. There must also be an option to connect EXTERNAL KEYPAD for large branches.	
10	The panel must be 16 SWG - Powder coated. Cable glands should be provided, Suitable locking arrangement through Key / Screws Space for placing the inbuilt back up batteries	
11	Panel should have LED/LCD display for status of the system. All LED can be checked at once with Lamp test button.	

12	Sounder should be silenced by Acknowledge /Silence button.	
13	Fire/ Open/ Short/ Lamp Test/ Reset/ Alarm/ Evacuate Facility/ Zone Isolation Display	
14	Indication For Mains ON, Battery ON, System ON, Charging ON, Fire Status, Silence, Battery Low	
15	The system should have provision to Reset the complete system from Control Panel.	
16	The Panel should be easy to operate. Auto dialer should be easy to operate for updating the contact numbers	
17	Panel should have the feature of Master reset of settings, and should be password protected.	
18	Built-in power supply arrangement with AC/DC ON, system ON visual indicators and auto switch over to internal back up in case of external power supply/ MAINS failure with auto switch over. The system must have Deep Discharge Protection. The power backup must be rechargeable, sealed, maintenance free. Min. 24 Volts, 7 Ah.	
19	Zone isolation facility in case of continuous fault. Auto Isolation with self-activation on removable of fault. Manual Isolation and Manual disable through keypad.	
20	The system should be provided inbuilt with SMPS with spike/Transient reduction circuit, to avoid any False alarming in case of transient/abrupt Voltage fluctuations. Power consumption of less than 200 mA idle current and 1 –2 Amps on full activation.	
21	Aux. relay for triggering external devices. Separate relays for fire & fault. Compatible with external relay card for connecting external devices. , Air Conditioning turn-off relays and facilities for connecting Auto dialer, mot. sirens etc.	
22	Built-in Digital Ammeter (Battery Current), Digital Voltmeter (Main voltage & Battery Voltage)	

Technical Specification for STANDALONE AUTO DIALER		
S.N.	Technical Specifications	Compliance Yes / No
	Standalone Auto Dialer must be compatible with 4 G GSM connection facility of various leading Service Providers.	

	It should work with all types of existing alarm having port for connecting the auto dialer	
	Minimum 05 telephone numbers - non-volatile memory such that settings are saved	
	Minimum 2 messages of 15-20 seconds duration, storage and recording facility.	
	Call over ride and line take over facility.	
	User friendly easy programming and simple operation.	
	No false activation due to voltage fluctuation etc.	
	Facility to cut off message delivery using a number code/master key.	
	Message should be repeated at least twice before dialing the 2nd number. In case number not responded, facility to re-dial the number after completing the cycle.	
	Should have message recording facility at local end (Branch end).	
	In-built GSM auto-dialer should have the ability to generate SMS alerts in addition to auto-dialing the pre-fed numbers.	
	Provide signal strength and status indication on display screen.	

Technical Specification for WIRING & SENSORS			
S.N.	ITEM	Technical Specifications	Compliance Yes / No
	Multi Sensor Detector	1. Capable of Heat & Smoke - multi criteria sensor	
		2. low power consumption	
		3. LED detector status indicator	
		4. Programmable sensitivity	
		5. CERTIFICATIONS – UL/ LPCB/FM (As per IS 11360)	
2.	Optical Smoke Detector	1. Wide operating voltage 8 to 30VDC	
		2. Low power consumption Light Scattering or obscuration	
		3. LED detector status indicator. LED flashes in normal, illuminates in alarm & quite in fault	

		4. Apollo 65 and its equivalent other makes as listed below.	
		5. CERTIFICATIONS - UL /LPCB/FM (As per IS 11360)	
3	Heat Detector	1. Wide operating voltage 8 to 30VDC	
		2. Rate of Rise cum fixed temperature type.	
		3. Backward compatible with Series 100 Detector range of bases	
		4. LED detector status indicator	
		5. Programmable sensitivity	
		6. Range of detectors bases available	
		5. CERTIFICATIONS - UL / LPCB (As per IS 11360)	
4	Manual Call point	1. Anti-Tamper facility.	
		2. Resettable type Manual Call Point	
		3. Enhanced aesthetics with front cover facility	
		4. Fully approved to the latest standards.	
		5. CERTIFICATIONS - UL / LPCB	
5	RESPONSE INDICATOR	1. Fabricated from either spun aluminum or molded PVC or MS 16 SWG	
		2. LED indication	
		3. As per IS 2189-2008 or equivalent as per prevalent trade and practice, acceptable to the Bank.	
6	Electronic Hooter	1. High sound output, low current consumption.	
		2. Range 500 to 1000 Hz. Sound level between 75 dB - 120 dB.	
		3. Min. 6 Watt (Dual tone) of Min 65 db output	
		4. Low profile, Surface and Waterproof mounting options.	
		5. Fabricated from either spun aluminum or molded PVC.	
		6. CERTIFICATIONS - UL / LPCB/ ERTL/ BIS	

S.N.	ITEM	Technical Specifications	Compliance Yes / No
7	Battery	1. 2X 12V 7Ah Rechargeable battery	
		2. Eco-Friendly	
		3. Ready-to-use, Low-self discharge, Maintenance Free	
8	ARMOURED CABLES	1. 2 core 1.5 sq mm armored cable	
		2. Armored & PVC Sheathed Cables Conforming to IS: 1554 (Part -I) 1976 and latest ISI marked.	
		3. Fire Retardant Low Smoke	
		4. MAKE: FINOLEX/ PLAZA/ POLYCAB/ RR CABLE/HAVELLS OR EQ.	
9	CONDUIT	1. FOR MS CONDUIT PIPE - SIZE 25MM (IS-9537)	
		2. PVC PIPE (ISI MARK) - SIZE 25 MM	

Certified that:

- a) We have understood the technical specifications thoroughly and are acceptable to us.
- b) If the work order in whole or part is placed with us, we would be able to supply the above mentioned equipment to the branches/offices of State Bank of India, across **Kolkata Circle** within given time frame.
- c) Our company/firm already has an office in. Region with adequate infrastructure and technical manpower, which will remain functional till the end of warranty and AMC period.
- d) We understand that the specifications being offered by us as above are applicable to throughout the Circle Patna, Bihar & Jharkhand.

Signature with Seal

PLACE:

DATE:

G. REQUIREMENTS FOR DETECTION ZONES THAT CONTAIN NON-ADDRESSABLE AUTOMATIC DETECTION SYSTEM ARE GIVEN BELOW:

- a) Automatic fire detection and alarm system consists of fire detectors and manual call points connected by appropriate cables to sector/zone panels which in term are connected to control and indicating equipment (C and I). The equipment and cables of automatic fire detection and alarm system should be independent of any other system or cables, and should not be shared with any other system.
- b) If the requirement of detectors in any area is less than 20, division into zones/sectors may not be necessary. Similarly, sectorization may not be necessary if the number of zones is not very large and in case of bigger premises, the premises may be divided into wings and each wing may have sectors/zones.
- c) Size of the conventional panels is normally referred by number of zones. Each zone can be connected with the conventional detectors not exceeding 20.
- d) The floor area of a single zone shall not exceed 2000 m².
- e) If the total area of a building is less than 300 m², a zone can cover more than one floor.
- f) If the total area of a building is more than 300 m², each zone shall be restricted to a single floor.
- g) The search distance, that is, the distance that has to be travelled by anyone responding to a fire alarm signal after entry to the zone in order for the location of the fire to be determined visually, shall not exceed 30 m.
- h) Automatic fire detectors within any enclosed stairwell lift well or other enclosed shaft-like structures shall be considered as a separate zone.
- i) If manual call points are located on the landings of an enclosed staircase, such points at each level shall be incorporated within the zone that serves the adjacent accommodation on that level.
- j) The detectors and manual call points within sectors / zones shall be wired to the control and indicating equipment.
- k) The entire electrical installation pertaining to the entire fire alarm system as described above shall be independent of other systems.
- l) When a signal of fire is given it is necessary that there shall be no confusion about the zone from which it is received.
- m) In larger premises, the fire alarm system shall be so designed and arranged that it is fully compatible with the emergency procedures and provides at some central or convenient point, or points, an indication of the zone from which an alarm has originated.
- n) If the requirement of detectors or call points is less than 20 in any area, division of the area into zones is not necessary. Similarly, sectorization is not necessary if the number of zones is not very large.
- o) The zoning arrangement for systems in multiple occupations shall take into account the fact that all the premises may not be occupied at the same time. No zone shall include areas is more than one occupancy.

- p) Remote indicator lamps outside doors of rooms, cabins, etc, within a zone may be useful, if doors are likely to be locked.

H. THE FOLLOWING GUIDELINES TO BE FOLLOWED FOR THE INSTALLATION OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM:

- a) The **entire area of the branch including record/stationery room & onsite ATM enclosure should be covered** with the detectors as per its requirement.
- b) The **equipments and cables of Automatic Fire Detection & Alarm system (AFD&AS) should be independent of any other system** or cables, and should not be shared with any other system.
- c) The electric **connection shall be provided to the system before the main switch through MCB and UPS.**
- d) The **control panel of the system should be installed near the entry/exit** of the Branch / office. The control panel may be fixed on the wall at the height of 1.2 meter, it should be easily approachable and a key of the control panel may also be tagged with panel.
- e) If the detectors are providing under/over the false-ceiling, the **armored cable / wire should be clipped / hooked with the roof. The armored cable / wire should not be laid out over the false-ceiling at any cost.**
- f) Circuits for the detectors and the manual call points (MCP) shall be different. MCP shall be fixed at a height of 1.4 meter above the floor level, at easily accessible, well illuminated and conspicuous positions, which are free of obstructions. It shall be located preferably near entry /exit / staircases.
- g) At the time of installation and prior to commissioning, **every detector should be allotted an identification number** (permanent marker) proceeded by alphabetic initials. For example, Z1/SDI/8 means zone -1, Ionization detector, 8th detector or Z2/SDO/5 means zone-2, optical detector, 5th detector or Z3/DHT/4 means zone- 3, heat detector and 4th detector.
- h) Under the flat ceilings and ceiling height up 4/5 meter, the **spacing between the detectors should not be more than 5 to 7 meter** in a protected area.
- i) Detectors shall not mount within **50cm of any walls, partitions or obstructions.**
- j) Detectors shall not be mounted within **01meter of any air inlet or a forced ventilation system.**
- k) Detectors should always be mounted on the ceiling only and shall be placed on the protected side of the premises on the ceiling **1.5 meter from any door, window or any opening** in the wall partitions.
- l) Detector sitting shall be such that a **clear space of 50cm is maintained below** each detector.
- m) Auto dialer should be **programmed with minimum 4/5 mobile numbers among the branch functionary including branch Manager and must be armed 24x7hrs** with the fire alarm panel. The power supply of Auto dialer shall be given from fire control panel only.

- n) After installation of the system, a ***demonstration regarding mode of operation of the system should be conducted in the branch/office before the branch functionary.*** The function of automatic fire detection & alarm system along with auto dialer should be known to the users and the nearby fire station mobile number/phone number may also be connected with system. The fire station should also be informed regarding the function of captioned system in case of any emergency.

Note: - in case of any query in this regard you may seek clarification from Fire Officer (☎-9674710101/ 9734443943), Local Head Office, Kolkata.

TERMS AND CONDITIONS FOR NEW INSTALLATION

1. You shall, under no circumstances, be allowed any enhancement of rates for **36-Months with effect from ----- to -----**. The rates accepted are all inclusive, final, rates and no extra or additional charges other than the ones quoted in the respective tenders shall be allowed. Relevant proof of clearance of obligatory dues i.e. Octroi etc shall be furnished by you. It is also made clear that you completely indemnify the Bank against such dues and / or any claims made by any statutory authority subsequently, and to settle all such claims shall remain your responsibility. You agree to indemnify the Bank against all losses or claims in respect of any or all Statutory/financial obligations arising out of any damages/negligence to person or property on your part and in whatsoever manner caused to the Bank.

The Bank will not enter into any litigation whatsoever under any circumstances in respect of aforesaid stated statutory/financial obligation.

Any litigation if so warranted/compelled will be conducted & pursued by the Bank at your cost only.

2. Warranty / Guarantee shall be a comprehensive one, of free replacement of any failed components in the system, including insulator or conductor failure in the cables. Except in cases of misuse, relocation, accidents or sabotage and replacement of batteries (**beyond their warranty**) for the battery back-up. *The warranty shall also entail free, on-site, preventive maintenance of the system* at quarterly intervals as per maintenance schedule given separately. There shall be no let or relief on this account. A proper record of all such maintenance work duly authenticated by the Branch shall be kept by you and a copy of the same shall be submitted to the Fire Officer for his record.

3. The system should have an inherent likability to an auto-dialer system and a power shut down switch through MCB.
4. The batteries shall be covered by a separate warranty, which in no case shall be less than the one issued by the concerned manufacturer. **Notwithstanding any-other provision the replacement of Batteries after expiry of their own warranty shall be paid for by the Bank.**
5. This work order pertains to all aspects of Supply, Installation, on-site Testing and Commissioning of the whole system and includes the cost of all the accessories required.
6. The system should be installed in conformity with **IS: 2189-2008** and various codes of practices listed therein.
7. All cables/wires, detectors should be properly anchored. The wiring for the system should be so spaced as to not cause any electrical interference in the data cables, this aspect shall be tested and confirmed by the contractor during the progress of the work. Whenever the data cables have to be crossed as far as possible the pattern of the other electrical wiring shall be followed.
8. The battery back-up pack should be powered by long life sealed, maintenance free batteries as specified above, which are chargeable and are constantly fed with charging current through the panel.

9. The panel must be weather, vermin and water- proof and conform to the specifications laid down by IS: 2189-2008. The relevant test certificate must be enclosed.
10. A detailed schematic diagram of the whole system and cabling / wiring shall have to be handed-over to the branch for its record.
11. The cabling / wiring should be tagged with colour coded and which shall remain uniform throughout the Branch for the ease of subsequent identification and maintenance work, the marking shall be a band of fire red colour paint on the cable at one meter spacing, it shall also be an aid to measuring the length of cable used.
12. The **Security Deposit/Performance Guarantee:** The Successful bidders/tenderers have to submit Bank Guarantee/Security Deposit noninterest bearing amount of Rs 1 (one) lakh (refundable) from a scheduled bank other than State bank of India. The Security Deposit will be released only on successful completion of the empanelment period. The amount shall stand released to the contractor at the end of the said term, if no bar is placed on such release, in writing, by the monitoring authority of the contract i.e. the Asst General Manager (P&E) , **on the grounds of proven deficiencies, inability or unwillingness in fulfilling the contractual obligations.** *In case of any serious deficiency by the contractor in fulfilling the contractual obligations, the Bank shall have the right to forfeit the said deposit either fully or partly, as it deems reasonable.*
13. During the currency of the warranty and annual maintenance contract, any number of fault complaints shall have to be attended-to, free of charge. It is to be noted well that any such complaint has to be attended within the time-frame laid down i.e. within 24 hrs. Failure on this score may invite penal action.
14. The initial maintenance during the warranty period of the system as well as the battery (which is covered by its separate warranty) will be free of charge and shall include free replacement of any / all failed components / spares, with regular quarterly visits to carry out maintenance of the system, as per the enclosed schedule and scope of work.
15. You shall have to ensure that the system does not remain non-functional for more than 24 working hours from the time of reporting of fault. Deviations on this score shall invite penal actions / deduction as listed.
16. The Branch shall extend all co-operations to facilitate the smooth execution of this contract. Any work which is not in the scope of this contract i.e. work required for concealing the cables etc if deemed necessary by the Branch, may be arranged by the Branch at its own cost. Any difficulty faced by the contractor in execution of this contract shall be brought to the notice of the Desk Officer or Regional Manager without any delay.
17. The PVC insulated armored cable should conform to I.S.:1554-1976 Part-I.
18. A sample of all the components to be used should be provided by the contractor to the Premises & Estate Deptt. As well as kept at the sight for comparison/verification.
19. The Bank shall be at liberty to change the method and specification of the work within the limits of the rates quoted.
20. In partial modification under the head relevant clause of EOI Settlement of Dispute, the court of jurisdiction will be Kolkata.
21. You shall have to co-ordinate and co-operate with the other people who are working at the site.

22. You shall have to complete the assigned work within 14 days from the date of receipt of work order and handing over of clear site with unstinted access. **A penalty of 1% of the cost of the work shall be imposed for every additional week beyond the 14 days period mentioned above if the delay is caused by any acts of omission / commission by you. Such penalty shall be limited to 5 % of the concerned work order.** In the event this limit is breached the Bank reserves the right to cancel the whole contract and forfeit the EMD.
23. You shall make necessary arrangements to acquire insurance cover against fire, damage, accidents, injury to workman etc. The acceptance of this work-order by the contractor shall automatically indemnify the Bank against any claim pertaining to or arising out of the said work.
24. In case, the approved series detectors are not available, detectors of comparable quality with UL/BS/CE/FM certification should be provided at a cost which shall be negotiated at that point of time.
25. The drawings, survey reports and other documents created for this project by the vendors shall become Bank's property on submission to the Bank and the vendor shall no right or claim on them save for the purpose of reference for the project work.
26. Notwithstanding any condition stipulated above, the Bank shall have the right to instantly revoke / cancel the said contract, partially or fully, with or without forfeiture of the Performance Guarantee Deposit; on the grounds of proven deficiencies, inability or unwillingness in fulfilling the contractual obligations; as the Bank deems fit and reasonable. Further, the Bank reserves the right to terminate/cancel the contract at its sole discretion with liability to pay only for the equipment supplied and installed at its offices.

27. **Initial Installation Inspection Tests**

- a) After installation, a visual inspection of all the detectors should be made to make sure that they are properly sited. Each detector should be inspected to ensure that it is properly mounted and connected.
- b) Restorable heat detectors and restorable elements of combination detectors should be tested by a heat source, such as a hair dryer, or a shielded heat lamp until it responds, making sure that the sensing element is not damaged. After each heat test, the detector should be reset. Precautions should be taken to avoid damage of the non-restorable fixed temperature element of a combination rate of rise/fixed temperature detector.
- c) Non-resettable fixed temperature heat detectors which are not to be heat-tested should be tested mechanically or electrically for fire alarm function.
- d) Heat detectors with replaceable fusible alloy element should be tested first by removing the element to see whether contact operate properly and then reinserting them in proper position.
- e) In periodic testing, heat detectors should be visually examined for damage or other conditions (such as heavy coats of paints, etc) likely to interfere with the correct operation.
- f) Each smoke detector should be tested to initiate an alarm at its installed location with smoke or other approved aerosol which demonstrates that the smoke can enter the chamber and initiate an alarm.

- g) In order to ensure that each smoke detector is within its sensitivity range, it should be tested using either:
- a) A calibrated test method, or
 - b) A manufacturer's/supplier's approved calibrated sensitivity test instrument, or approved control equipment arranged for the purpose, or other approved calibrated sensitivity test method.
- h) Detectors found to have sensitivity outside the approved range should be replaced.

NOTE - Detector sensitivity cannot be tested or measured using any spray/smoke producing device that administers an unmeasured concentration of aerosols / smoke into the detector.

INSTALLATION CERTIFICATE

1. It is certified that the Automatic Fire Detection & Alarm system (Addressable/ Non-Addressable) installed inBranch (Code No.....), under Region....., Administrative Office
2. The system is installed as per State Bank of India, Local Head Office, tendering terms & conditions. All the items of the system are as per invoice No.dated have been installed in the branch and physically verified by the Branch Manager and working satisfactorily.
3. The control panel of the AFD&AS is directly connected to main electrical supply through MCB; auto dialer is connected with the telephone line, and important 05/06 telephone numbers are programmed.
4. Working and mode of operation of the AFD&AS has been explained to the following staff members by Sri of M/S., including the Branch Manager, Accountant, System Room in charge, Cash Officer, Guard (If posted) etc.

S. NO.	Name	Designation	Signatures
1.		BM	
2.			

It is also certified that the power supply to the AFD&AS has been connected through the branch UPS system for secondary power back up.

Signature

(NAME.....)

M/S.....

Countersigned by
Branch Manager (With Seal)

ANNEXURE-B

K. TERMS & CONDITIONS FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (AMC), MAINTENANCE SCHEDULE AND SCOPE OF WORK FOR AUTOMATIC FIRE DETECTION & ALARM SYSTEM'S (AFD&AS):

1. **Validity of Contract Period:** The AMC shall be valid for 03-Years w. e. f---to ---
2. **Mandatory Visits:** *Four visits in a year at an interval of 03 months with 15 days grace period of time. Non compliance of the mandatory visit schedule by the vendor will invite penal action which would be termination of the contract agreement. No extra charges will be paid for emergency visit/visits during the contract.*
3. Representative (trained technician) to carry out maintenance as per given schedule and scope of work. Any failure on this aspect shall invite penal action. A copy of the said report shall be duly signed by the Branch Manager as a record of orderly progress of the contract.
4. Representative (trained technician) of the firm should arrange to visit branches/offices during working hours and will carry firm's issued identity card in original, a copy of AMC allotment letter.
5. The said contract shall be an all inclusive contract and shall entail free repair / replacement of any / all defective / failed components of the system including cable faults. No charges other than the stipulated Annual Maintenance Charges shall be payable by the Bank on any account.
6. This clause shall apply to **pre** and **post** warranty as well as **free** and **paid** maintenance work. The vendor shall have to maintain the system for a total period of 03 years from the date of commissioning of the system, by entering into a **paid** maintenance contract, **post warranty period**, with the Branch for the above said period, in the first instance.
7. This Maintenance Contract shall be an all inclusive contract and entail free replacement of any / all failed components / spares during its currency, except the replacement of detectors at the end of the their normal, **useful life of 10 years**. Such replacement may be arranged by the Bank at its discretion either through the existing vendor as approved rate or by floating a fresh tender at the material time.
8. The AMC charges of amount **Rs. -----/-** shall be payable **on a pro- rata basis at half-yearly intervals** at the completion of the concerned half year. The Bank reserves the right to cancel this contract by giving one month's notice in writing, in such cases, charges due till the effective date of cancellation shall be paid.
9. The vendor will have the maintenance bills endorsed by the respective Branch Managers along with visit reports and submit to the Fire Officer for their verification and scrutiny. **The bills of all the branches will be centrally paid by the respective Regional Office.**
10. 50% of AMC charges **i.e. Rs./-** will be released after Second Visit and remaining will be released after the fourth visit.

11. SCOPE OF WORK:

- a) Checking and testing the general operating state of panel(s) in normal and during power supply failure and removal of any defect if found.
- b) Checking and testing the operational, readiness, during mains supply/failure and testing of battery for charged condition.
- c) Performance checks of external hooters, visual alarm (s) of panel(s), manual call point's station, and response indicator(s).
- d) Cleaning and testing of each and every detector at all floors. Cleaning and testing of the detectors should be done so that the detectors should be cleaned **ONCE IN EVERY QUARTER**. The test should be carried out by means of giving minimum smoke to the smoke detectors. For heat detectors minimum temperature should be applied.
- e) Servicing and testing of manual call points for each Zone.
- f) Performance checks of all Smoke/Heat detectors.
- g) Performance check of open & short circuit conditions resulting in a faulty alarm indicating in the panel.
- h) Checking/testing of main control panel, and all the hooters along with testing of all the repeat functions of fire signal and fault signal on various floors of the building and ensuring the same to be in proper working condition.
- i) Ensuring that the required power supply (AC/DC) always exists in the system.
- j) Where ever there is confined space in the location of the system (viz. MCP, LCP'S & Junction boxes) these areas shall be kept free from all foreign materials.
- k) While opening the detector from the base, the signal "open" should be shown simultaneously in Local Control Panel & Main Control Panel.
- l) If there is any short circuit in detector line, the signal should be shown simultaneously in Local Control Panel & main control panel. If any defects are noticed during the periodical maintenance service, these will be rectified immediately and will also be brought to the notice of the Bank for rectification.
- m) Checking up all the wirings.
- n) Lamp(s) testing to be carried out of all panel(s).
- o) Log Book/ Security Register should be maintained and the date & working of the system will be recorded. Any incident of fire or fault shall be recorded by our personnel and we shall fill up the remarks column after job has been attended by the vendor. This will ensure that over a period of years, complete feedback is available. These entries will be countersigned by the vendor or/and by the department.
- p) Any defects found while carrying out maintenance/testing of the system should be immediately brought to the notice of the concerned Branch Manager or person deputed for this purpose. The vendor will ensure that it replaces defective/damaged part (s) only after obtaining concurrence from the Branch Manager. The Branch Manager will invariably keep the Controller as well as the Fire Officer informed.

12. During the term of this agreement, the vendor shall maintain the equipment in good working condition. On receipt of information from the branches/offices the vendor shall respond as per given time frame:
- a) *Kolkata, Bidhannagar, Howrah, Siliguri, South 24 Pgs, & Durgapur area within 24 hours to Max 48 hours. Sikkim within 24 hrs to 72 hrs and Bay Islands area within 24 to 96 hrs.*
13. Two copies of visit report will be prepared after testing/maintenance of the system by the authorized technician of the company. The Branch Manager/Authorized officials will stamp and countersign all reports after satisfying them that the system is fully functional.
- a) **One copy will be handed over to the branch,**
 - b) **Second copy to be retained by the vendor,**
 - c) **Further, an entry regarding visit to be made in the Security Register in relevant column.**
14. The vendor or its employees undertaking the work to maintain total and complete secrecy and assure not to communicate or allow to be communicated to any person or divulge in any matter/information relating to the ideas, concepts, know-how, techniques, data, facts, figures, and all information what so ever concerning, relating to the bank and its affairs to which the employees have the access.
- The employee engaged by the vendor shall be the employee/staff/worker of vendor only and there shall be no employer-employee relationship between the Bank and employee of vendor and the vendor keeps the Bank indemnified in the event of arising of any such claim.
15. The repairs / servicing of the system / equipment shall be done as per the guidelines of the respective manuals of the manufacturers.
16. The spare parts used for the repair / servicing of the whole detection system shall be of the original make of the plant & system. Any damage caused to the plant / system due to the use of spurious parts etc. shall be recovered from the Vendor if at all used as recommended by the vendor or its representatives. In case the spare parts / components / accessories are supplied for any repair / servicing of the system / equipment, they shall be got checked by the Branch Manager and after his satisfaction / approval, the spare parts should be used for repair / replacement / servicing.
17. All the works under the AMC to be attended by Qualified Technical / Engineer by the vendor.
18. All disputes arising out of or connected with this contract shall be deemed to have arisen in Kolkata City only, under the jurisdiction of the courts of Kolkata.
19. In case the Fire Alarm system requires major repairs, the vendor shall provide a replacement before taking the defective system for repairs. If any part of the system requires to be changed, rates applied shall be as per Bank's Approved rates.
20. **MODE OF PAYMENT:**
- a) The vendor will have the maintenance bills endorsed by the respective Branch Managers along with the service certificates (as annexure-C) duly certified by Branch Manager and submit the same to the Fire Officer, P&E department for scrutiny and

verification and forwarded to the concerned Region for payment. The bills of all the branches will be centrally paid by the respective Regional Business Office.

- b) 50% of AMC charges will be released after first visit and remaining 50% will be released after the Fourth visit.

21. PENALTY CLAUSE:

- a) If the complaint is not satisfactorily attended within the stipulated time period, the Bank will levy a ***penalty of 100/- per day for each instance of delay up to maximum 10% of the AMC work value*** and the same shall be deducted from the AMC amount as applicable.
 - b) The decision of the Bank as to whether the complaint is satisfactorily attended or not shall be final and binding upon the vendor.
 - c) In case of repeated complaints from the branches, the vendor's services may be discontinued and the Bank may also delist him from the panel and/or black list the company from the bank.
-

[To be submitted by Vendor on letter head]

Ref, No.

Date:

To,
Asst General Manager (P&E),
Premises & Estate Department
SBI , LHO, Kolkata - 700001
E mail - agmpre.lhokol@sbi.co.in

Dear Sir,

APPLICATION FOR EMPANELMENT OF CONTRACTORS / FIRMS / COMPANIES FOR THE SUPPLY, INSTALLATION, COMMISSIONING, MAINTENANCE AND REPAIR OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFD&AS) FOR VARIOUS BRANCHES/OFFICES OF STATE BANK OF INDIA IN THE STATE OF West Bengal, Sikkim and Bay Islands

With reference to your advertisement for captioned work, we submit herewith our **application form for expression of interest with required list of enclosures** duly filled, signed and sealed by the authorized signatory of our organization, on the standard format along with **refundable processing/participation fees of Rs.5000/-** .

2. I/We have read and understood the Press notice, Empanelment Notice & this Application form along with all Annexure and my/our firm fulfils the **Eligibility Criteria** as described in the notice.
3. I/We are agreeable to the terms and conditions and to submit Security Deposit amounting to 05% of total value of work order **or** Rs.1.0 Lakh to the State Bank of India, payable at Kolkata, **in case of** our being shortlisted, as decided by the bank.
4. I/We hereby confirm that all information, particulars, copies of certificates and testimonials in connection with my above mentioned empanelment of AFD&AS vendor, for supply, installation and maintenance of AFD&AS are correct and genuine. I/ we, am /are, therefore liable to face the appropriate actions as deemed fit by the Bank in the event of any of the information, particulars, copies of certificates and testimonial is not found correct / genuine or not attached as required documents.
5. I / We undertake to produce the original of all the papers / documents attached herewith and assist the Bank authorities for the purpose of empanelment and verification.
6. I/We hereby confirm and certify that the information given above is correct and true and the enclosures annexed herewith are genuine to the best of my / our knowledge.
7. I/We are authorized to sign and submit these documents for empanelment.
8. I /We understand that if at any stage it is found / noticed by the Bank that any information thus provided by us is untrue / incorrect partly or fully and in case of receipt of adverse / unsatisfactory report from other clients / Bankers, the Bank may not consider our application and / or may de-list us and / or may take any appropriate action against us.

9. I /We also understand that partly / wrongly filled application and / or applications not on prescribed pro-forma and / or applications not accompanying relevant documents / enclosures / annexure are liable to be summarily rejected by the Bank.
10. I/ We confirm that all the Rules prevailing in the state, the Labour Laws, Risk Insurance obligations, State & Central Government statutory requirements are complied by us. I/We confirm that all the liabilities and penalties arising out of violation of any of laws, rules, regulations shall only be borne by me/us and shall keep the Bank fully indemnified for any violation or breach thereof..
11. I / We understand that this is merely an application does not entitle us to be necessarily empanelled by the Bank and the Bank reserves the right to reject all and / or any application without assigning any reason whatsoever.

Yours faithfully,

SEAL OF THE FIRM
PLACE :
DATE:

(SIGNATURE OF AUTHORIZED SIGNATORY)
NAME :

**APPLICATION FOR EXPRESSION OF INTEREST FOR AUTOMATIC FIRE DETECTION &
ALARM SYSTEM (AFD&AS) OF SBI, PATNA CIRCLE**

S. No.	Subject	Details			
1.	Name of Organization				
2.	Constitution	Proprietary / Partnership / HUF / Private Limited / Public Limited. [Enclose a copy Certificate of Registration / Partnership deed].			
3.	Year of Establishment	[NB: Date of Commencement of Business [in case of Company]			
4.	Details of Key/Senior Officials/Directors /Technical Officer (Enclose Bio-data)	Name	Designation	Qualifications	Experience
5.	Number of Offices In India	[Enclose complete list]			
6.	Registered / Head Office Address with details	Address			
		Mobile			
		Phone			
		Fax			
		Email			
7.	Local Address With details and documentary evidence	Address			
		Mobile			
		Phone			
		Fax			
		Email			
8.	Contact Details for Correspondences	Name			
		Designation			
		Address			
		Mobile			
		Phone			
		Fax			
		Email			

9.	Whether Registered / empanelled any Organization / public body (Enclose documentary Proof)	Name of Organizations	Since when		
10.	Service Support In West Bengal, Sikkim and Bay Islands	Please furnish complete details of offices [Address and contact details like Mobile, Land line Phone, Fax, Email] with number of support engineers located in West Bengal, Sikkim and Bay Islands Whether having offices at one of the undernoted locations?			
		Locations	Office Available? (Yes / No)	No. of Support Engineers	
		Kolkata			
		Durgapur/ Burdwan			
		Bidhannagar			
		Howrah			
		South 24 Pgs			
		Siliguri/ Sikkim Bay Islands			
11.	GSTs Registration No.	[Please enclose a certified copy of latest certificate]			
12.	PAN [Permanent Account Number]	[Please enclose a certified copy of latest income tax clearance certificate/Return filed/Assessment Order]			
13.	Whether last three years IT returns filed	(Enclose certified copies of the I T return of 2018-19, 2019-20, 2020-21)			
14.	Service Tax Registration No.	[Please enclose copy of Registration Certificate]			
15.	Financial details (Please enclose copies of Audited Profit and Loss and Balance Sheet along with Auditor's Note: Best three out of last five years)	[Rs. In cores] As at close of business as on			
			FY	FY	FY
		Turnover / Sales			
		Other Income			
		Profit before Tax			
		Profit after Tax			
Capital & Reserves					

16.	Latest SOLVENCY CERTIFICATE worth Rs.10 Lakhs from a Scheduled Bank	a) Account Number: b) Name of the bank: c) Branch address: d) Tel. numbers (with STD code): e) Fax: f) Email ID:		
17.	List of Clients whose work has been undertaken During last three years.	[Please enclose as per format relevant order copy/contract copy and satisfactory performance cum installation cum completion certificate from the customers] As per format		
18.	Associate Firms / Companies with details of activity and turnover	Name of Firm	Activity	Annual Turnover
19.	Dealing with SBI	Enclose order copies and installation certificates the satisfactory performance certificate has to be from the authority which originally empanelled the vendor.		
20.	Installations at Public Sector Banks / Entity	Please enclose order copies / contract copies and installation cum satisfactory performance certificate from Public Sector Bank.		
21.	Details of major works executed & completed during last 05 years.	enclose copies of work order and its completion certificates		
22.	Details of major works on hand	enclose copies of LOI /work order / agreement		
23.	Details of Key Personnel Permanently employed.	List enclosed		
24.	List of Office Equipment owned by the firm (Enclose separate sheet, if required)			
25.	Mention Any Litigation / Arbitration Case Pending Against The Firm	Attach a separate sheet if required.		
26.	Have You Been Black Listed By Any Organization in The Past, If Yes, Furnish Details			

27.	Whether the Applicant is Willing To Maintain / Repair The Existing Automatic Fire Detection Alarm System And its Accessories	Yes / No
-----	--	----------

Note: Please enclose separate sheets in same format for additional information, photographs, and documents. Please enclose all the Annexure with relevant supporting documents.

Declaration:

I/We have read and understood the empanelment notice inviting tender & this application form along with all Annexure and certify that my/our firm full fills the eligibility criteria for empanelment described in empanelment notice.

I/We hereby confirm and certify that the information given above is correct and true and the enclosures annexed herewith are genuine to the best of my / our knowledge.

I/We are authorized to sign and submit these documents for empanelment.

I /We understand that if at any stage it is found / noticed by the Bank that any information thus provided by us is untrue / incorrect partly or fully and in case of receipt of adverse / unsatisfactory report from other clients / Bankers, the Bank may not consider our application and / or may de-list us and / or may take any appropriate action against us.

I /We also understand that partly / wrongly filled application and / or applications not on prescribed pro-forma and / or applications not accompanying relevant documents / enclosures / annexure are liable to be summarily rejected by the Bank.

I / We understand that this is merely an application & does not entitles us to be necessarily pre-qualified by the Bank and the Bank reserves the right to reject all and / or any application without assigning any reason whatsoever.

PLACE:
DATE:

SIGNATURE/ NAME:

INDICATIVE CHECK LIST OF ENCLOSURES

S. NO.	PARTICULARS	ENCLOSED? YES / NO
1.	Copy of Registration/Partnership Deed in support of constitution	
2.	List of Office locations within India	
3.	Documentary evidence in support of Registration/empanelment with any Organization / Public Body	
4.	Service Support offices in state of WB, Sikkim and Bay Islands	
5.	Complete address, contacts & documentary evidence (lease/Rent Agreement) of established office/centre registered under shops & establishment from State Govt norms as on date of publication of tender notice.	
6.	GSTs, Certified copy of latest clearance certificate.	
7.	Copy of PAN letter issued by Income Tax. Certified copy of latest income tax clearance certificate/Return filed/Assessment Order/ Aadhar card details	
8.	Copy of Service Tax Registration number	
9.	Last five years copies of Audited Profit and Loss and Balance Sheet along with Auditor's Note	
10.	Latest Solvency Certificate	
11.	List of Clients / work executed with details required above, during last 5 years along with order copy/contract copy and installation certificate/ certificate of successful work cum satisfactory performance, from customers	
12.	Order copy / contract copy and installation certificate / certificate of successful work from Public Sector Bank / Entity in support of installation.	
13.	Copies of certification, if any	
14.	List of technical staff / engineers	
15.	Copy of ISO Certification if any	
16.	Technical specifications / Brochure of the product(s) offered.	
17.	Experience certificate	
18.	A valid direct authorized dealer certificate from OEM	
19.	Back to back support certificates form OEM	
20.	An affidavit on a stamp paper duly attested by Notary etc.	

Place:

Date:

Authorized Signatory
With seal of the company / Firm

LIST OF CLIENTS/WORK EXECUTED WITH DETAILS REQUIRED ABOVE, DURING LAST 5 YEARS ALONG WITH ORDER COPY/CONTRACT COPY AND INSTALLATION CERTIFICATE/ CERTIFICATE OF SUCCESSFUL WORK CUM SATISFACTORY PERFORMANCE, FROM CUSTOMERS

S. No.	Client Name and work location Address	Contact Person	Tele No & email	Name of work	Amount of work undertaken	Start Date	Completion Date	Remarks
1.								
2.								
3.								
4.								
5.								
6.								

[Please enclose as per format relevant order copy/contract copy and satisfactory performance cum installation cum completion certificate from the customers]

**EVALUATION OF MANDATORY REQUIREMENTS & MATRIX CUM SCORING SHEET
FOR 'SUPPLY, INSTALLATION, TESTING COMMISSIONING AND MAINTENANCE OF
AUTOMATIC FIRE DETECTION AND ALARM SYSTEM**

M/S**Mob. No.**.....

S. NO.	PRE-QUALIFICATION OF MANDATORY REQUIREMENTS	WHETHER COMPLIED ?	REMARKS
1.	Minimum average audited annual turnover Rs. 50 lacs in last best three out of five financial years ending 31/03/2021.	Yes / No	
2.	Copy of audited balance sheet during last five financial years (2016-17, 2017-18, 2018-19 , 2019-20 & 2020-21)	Yes / No	
3.	Attested copies of Income tax returns (ITRs) for 05 years as above said.	Yes / No	
4.	Solvency certificate submitted / enclosed of Rs. 10 Lakhs	Yes / No	
5.	Minimum 05-years relevant experience in the field of SITC & AMC of AFD&AS.	Yes / No	
6.	Minimum 05-years relevant experience in the field of SITC & AMC of AFD&AS of reputed PSUs/Govt. Org of which 02 public sector bank.	Yes / No	
7.	The Manufacturer / Firm/ Company/ Dealer/ Vendor and should have carried out minimum 200 installations works of Automatic Fire Detection and Alarm System in last 5 years of which 100 installations should be in Branches / Offices of PSU Banks.	Yes / No	
8.	The above specified 100 installations in the PSU Banks should have consisted of minimum of 10 or more detectors, below which will not be considered.	Yes / No	
9.	The Manufacturer / Firm/ Company/ Dealer/ Vendor and should have carried out 500 AMC works of Automatic Fire Detection and Alarm System in last 5 years of which 300 AMC should be in Branches / Offices of PSU Banks.	Yes / No	
10.	Pan, Aadhar Card, Service Tax No. and GSTs number.	Yes / No	
11.	Certificate from one of these three: UL; LPCB; ERTL (please mention & enclose it's certified copy)	Yes / No	
12.	Authorization letters from principal / OEMs whose products are proposed.	Yes / No	
13.	Copy of back-to-back agreement with each of the equipment Manufacturer, so that direct support for maintenance, spares and upgrades is available for minimum 5 years which will valid up to March 2027.	Yes / No	
14.	Should be an Established Office / Service Centers in West Bengal, Sikkim and Bay Islands and should have been operational for a minimum period of 03 years from the date of EOI backwards.	Yes / No	
15.	Complete address, contacts & documentary evidence (lease/Rent Agreement) of established office/centre registered under shops & establishment from State Govt norms as on date of publication of tender notice.	Yes / No	
16.	Black listed from any Public Sector Bank's / Govt. undertaking (notarized certificate)	Yes / No	

17.	Is there any dispute pertaining to business as rendered/ sought by you in court of law or any judicial authority? (under taking letter on company letter head)	Yes / No	
18.	Willing to accept AMC for existing and new automatic fire detection and alarm system.	Yes / No	

MATRIX FOR EVALUATION			
S. NO.	PARTICULARS	MARKS	SCORED MARKS
1.	Average Annual Turn Over Last 3 Years		
	Above 01 crore	10	
	More than 50 lacs & up to 01 crore	08	
	Minimum 50 lacs	05	
2.	The solvency certified by a Scheduled Bank. The Solvency Certificate should not have been obtained earlier than 31/03/2021.		
	Above 50 Lakhs	10	
	More than 10 Lakhs & up to 50 Lakhs	08	
	Minimum 10 Lakhs	05	
3.	Relevant Experience in Fire Alarm (As On 31.03.2021)		
	7 years and above	10	
	05 years and less than 7 years	08	
	Up to minimum 05 years	05	
4.	Minimum 05-years relevant experience in the field of SITC & AMC of AFD&AS of reputed PSUs/Govt. Org of which 02 public sector bank. (As On 31.03.2021)		
	7 years and above	10	
	More than 05 years and less than 7 years	08	
	minimum 05 years	05	
5.	Installation of Fire Alarm System at Govt. / Public Sector Undertaking / Organizations including Bank		
	More than 5 organizations of which more than 3 public sector banks	10	
	Minimum 5 organizations of which 3 public sector banks	08	
	Minimum 5 organizations of which 2 public sector banks	05	
6.	No. of installations in last 05 years		
	More than 400	10	
	More than 200 and up to 400	08	
	Minimum 200	05	
7.	Number of installations in public sector bank last 05 years (minimum 10 detectors)		
	More than 200	10	
	More than 100 and up to 200	08	
	Minimum 100	05	
8.	No. of AMC in last 05 years		
	More than 700	10	

	More than 500 to 700	08	
	Minimum 500	05	
9.	No. of AMC in public sector bank last 05 years		
	More than 500	10	
	More than 300 and up to 500	08	
	Minimum 300	05	
10.	Service support centers at 07 locations within the area of jurisdiction of WB, Sikkim and Bay Islands		
	Above 5	10	
	3 to 5 service support office	08	
	Minimum 02	05	
11.	An established office / service centre with adequate technical personnel at least two of these locations i.e. <i>Kolkata/ Burdwan/ Siliguri/ South 24 Pgs.</i> This office/service centre should be have been operational for a minimum period of 03 years from the date EOI backwards		
	Above 07 years	10	
	More than 03 years and less than 07 years	08	
	03 years	05	
12.	Demonstration of the product offered a) Technical Presentation - 15 b) Equipment demonstration - 20	35	
13.	Committee assessment: Assessment of Company with regard to its feedback, reputation, experience and infrastructure	05	
	Total Maximum Marks	150	

Note:-

- a) Marks under each parameter will be awarded by the committee but will not be disclosed to the vendors. Minimum qualifying marks shall be marks obtained within 20% of the highest obtained marks. The bids of vendors securing less than the qualifying marks will not be considered for further evaluation. **For example, if the highest vendor score 90 marks, than applicants scoring 72 marks and above will be considered for further process.**
- b) During evaluation and comparison of bids, the Bank may, at its discretion ask the vendors for clarification of its bid. The request for clarification shall be in writing. No post bid clarification at the initiative of the vendor shall be entertained.
- c) Only the short listed applicants i.e. who fulfilled the eligibility criteria and other terms and conditions would then be invited by the Bank to make a presentation of their equipment and their proposed methodology, at their own cost.