



LOCAL HEAD OFFICE, MUMBAI

**REQUEST FOR PROPOSAL FOR EMPANELMENT OF VENDORS FOR  
SUPPLY, INSTALLATION, COMMISSIONING, TESTING & MAINTENANCE OF  
SECURITY AND FIRE SAFETY EQUIPMENTS AND FIRE AUDITORS / FIRE  
AUDIT CONSULTING FIRMS FOR MAHARASHTRA AND GOA**

**CIRCLE SECURITY OFFICER  
STATE BANK OF INDIA,  
CIRCLE SECURITY DEPARTMENT,  
3<sup>RD</sup> FLOOR, C-6, "G" BLOCK  
LOCAL HEAD OFFICE, "SYNERGY",  
BANDRA KURLA COMPLEX,  
MUMBAI-400051**

**Ref: SBI: MUM/SEC/EMP**

**Dated:22/11/2018**

STATE BANK OF INDIA, a body corporate constituted under the SBI Act 1955 and having one of its Local Head Office at Mumbai (hereinafter referred to as 'The Bank' which expression shall include its successor and assigns) intends to empanel vendors for supply /installation/ commissioning/testing/certification and maintenance under Annual Maintenance Contract (AMC) of following Security and Fire Safety Equipments of given technical specification for its branches/ offices/ ATMs etc and Fire Auditors / Fire Audit Consulting Firms for fire safety audit of branches spread over in the State of Maharashtra and Goa:

<b>S. No</b>	<b>Name of Equipment / Work</b>	<b>Technical Specifications</b>
(i)	Security Alarm System	Annexure 'B'
(ii)	Biometric Access Control System	Annexure "C"
(iii)	CCTV System	Annexure 'D'
(iv)	Time Lock	Annexure 'E'
(v)	Automatic Fire Detection and Alarm System	Annexure 'F'
(vi)	Fire Extinguishers	Annexure 'G'
(vii)	Fire Auditors and Fire Audit Consulting Firms-QR	Annexure 'H'
(viii)	BOQ	Annexure 'I'
(ix)	Specimen of Installation & AMC Certificate	Annexure "J"

The Bank proposes to invite proposals from established & reputed vendors to undertake supply, installation, testing, commissioning and maintenance of equipment as per details listed out in this document.

The Bidding Document may be downloaded from Bank's Website [www.sbi.co.in](http://www.sbi.co.in) under **procurement news** and the bid should be submitted to the under mentioned office:

**CIRCLE SECURITY OFFICER  
STATE BANK OF INDIA,  
CIRCLE SECURITY DEPARTMENT,  
LOCAL HEAD OFFICE, "Synergy",  
3<sup>rd</sup>, FLOOR, C-6, G BLOCK,  
BANDRA KURLA COMPLEX,  
MUMBAI-400051**

**Email: [agmsec.lhomum@sbi.co.in](mailto:agmsec.lhomum@sbi.co.in)**

**SCHEDULE OF EVENTS:**

<b>S.No</b>	<b>Schedule of Events</b>	<b>Time Lines</b>
01	Bid Document Availability	Bidding document can be downloaded from website from 1200 hrs on 22 Nov 2018
02	Last date for requesting clarification	Upto 1730 hrs of 29 Nov 2018. All communications/ queries requiring clarification shall email to agmsec.lhomum@sbi.co.in
	Pre-Bid Meeting	03 Dec 2018 at address given below at 1530hrs.
03	Last date of submission of bids	1730 hrs on 13 Dec 2018.
04	Opening of Technical Bids and preliminary scrutiny of documents	1130 hrs on 15 Dec 2018
05	Verification of Documents and visit Vendor Establishment	After 15 Dec 2018
06	Technical Presentation and Product Demonstration	To be intimated later
07	Finalization of Vendor Empanelment	To be intimated later
08	Opening of Indicative Bids / Reverse Auction	On a subsequent date, which will be communicated to such Vendors who qualify in the Technical Bid.
09	Finalize the list of Empanelled Vendors	To be decided
10	Tentative Date for Reverse Bidding	To be decided
11	Final Discussion / Negotiation with Vendors	To be decided
<b>Contact Details</b>		
Address		<b>CIRCLE SECURITY OFFICER STATE BANK OF INDIA, CIRCLE SECURITY DEPARTMENT, LOCAL HEAD OFFICE, "SYNERGY", 3<sup>rd</sup> FLOOR, C-6, G BLOCK, BANDRA KURLA COMPLEX, MUMBAI-400051</b>
Telephone		022-26445351
All correspondence relating to this RFP should be sent to following email id		agmsec.lhomum@sbi.co.in

## **IMPORTANT**

- All Bids must be accompanied by Earnest Money Deposit as specified in the Bid document.
- Bank reserves the right to change the dates mentioned in this RFP document, which will be communicated to the vendors.
- The information provided by the vendors in response to this RFP document will become the sole property of SBI and will not be returned.
- SBI reserves the right to amend, rescind or reissue this RFP and all amendments will be advised to the vendors and such amendments will be binding on them.
- Please note that all the information desired needs to be provided. Incomplete information would lead to disqualification/ non-consideration of the proposal.
- Complete application must reach this office on or before **1730 hrs on 13 Dec 2018**.
- Application received after due date and hours will not be entertained. Postal delay, if any, will not be considered.

## **DISCLAIMER**

1. This RFP is not an offer by State Bank of India, but an invitation to receive responses from the eligible bidders. No contractual obligation whatsoever shall arise from the RFP process unless and until a formal contract is signed and executed by duly authorized official(s) of State Bank of India with the selected bidder.
2. The purpose of this RFP is to provide the Bidder(s) with information to assist in the formulation of their proposals. This RFP does not claim to contain all the information each Vendor may require. Each Vendor should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP and where necessary, obtain independent advice/clarifications. Bank makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP. Bank may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this RFP.
3. The Bank, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder under any law, statute, rules or regulations or tort, for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form or arising in any way for participation in the bidding process.
4. The Bank also accepts no liability of any nature, how so ever caused arising from reliance of any Bidder upon the statements contained in this RFP.
5. The issue of this RFP does not imply that the Bank is bound to select/ or empanel a Bidder or to entrust any work to the bidder and Bank reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.
6. The Bidder is expected to examine all instructions, forms, terms and specifications in the RFP. Failure to furnish all information required by the bidding document or to submit a Bid not substantially responsive to the bidding document in all respect will be at the Bidder's risk and may result in rejection of the Bid.
7. Bidder applying for empanelment of either for one or for more than one security / fire safety equipment must submit applications **separately** for each Security / Fire Safety System

## **INTRODUCTION**

### **1. BROAD SCOPE OF WORK:**

1.1 To prepare a panel of reputed & reliable Manufacturers/ Firms/ Companies/ Dealers/ Vendors dealing in supply, installation of Security and Fire Safety Equipment's as mentioned in the document and their commissioning, software optimization/ customizations, providing warranty/Post warranty services.

1.2 . Supply, delivery at site, unloading, any other services associated with the delivery of equipment and installation, cabling, commissioning, software optimization/customizations, providing warranty/ Post warranty services i.e. Annual Maintenance Contract (AMC) and AMC's of existing security and fire safety equipments and any other related accessories/services for the complete installation and commissioning of systems in the State Bank of India branches/ offices/ATM's etc in the State of Maharashtra and Goa.

1.3 To empanel Fire Auditors/Fire Consulting Firms for conducting fire safety audit of State Bank of India branches/ offices etc in the State of Maharashtra and Goa.

**2. Eligibility Criteria: Eligibility criteria for each of the following criteria should be fulfilled for further evaluation of technical bid. Not fulfilling any one of the criteria will result in rejection of bid:**

## 2.1 MINIMUM ELIGIBILITY CRITERIA:

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S. No	Security Equipment Category	In Business	Application Fee	Total Business Turn Over (Average for last 3 years) Rs	Sum total of Similar work completed in last 05 years Rs	EMD to be Enclosed / Security Deposit	Commercial Bid Process
i	Close Circuit Television (CCTV)	07 Years	Rs 5,000/-	Rs 3.5 Crore	Rs. 8.4 Crore	Rs 2 Lakh	E – Reverse auction
ii	Security Alarm System	07 Years	Rs 5,000/-	Rs 1 Crore	Rs. 2.4 Cr	Rs 1 Lakh	E – Reverse auction
iii	Biometric Access Control System	07 Years	Rs 5,000/-	Rs 15 Lakh	Rs. 20 Lacs	Rs 1 Lakh	E – Reverse auction
iv	Time Lock	07 Years	Rs 5,000/-	Rs 25 Lakh	Rs. 32 lacs	Rs 1 Lakh	E – Reverse auction
v	Automatic Fire Detection & Alarm System	07 years	Rs 5,000/-	Rs 1.25 Cr	Rs. 2.5 Cr	Rs 1 Lakh	E – Reverse auction
vi	Fire Extinguishers	07 years	Rs 5,000/-	Rs 1 Crore	Rs. 2.40 Crore	Rs 1 Lakh	E-Reverse Auction
vii	Fire Hydrant & Sprinkler System	07 years	Rs 5,000/-	Rs 75 Lakh	Similar completed work in years/ Value in Rs.	Rs 1 Lakh	Off Line
					03	8 lacs	
					02	10 lacs	
					01	16 lacs	
viii	Fire Auditors	Age below 70 Years	Rs 2,000/-	N.A.	--	Rs 0.5 Lakh	Off Line
	Fire Auditors (Individual)						
	Fire Auditors (Fire Consulting Firm)	05 Years	Rs 5,000/-	Rs. 15 lacs	Rs 30 Lakhs	Rs 1 Lakh	Off Line

Please attach self-certified photocopies of the ITRs and Audited Balance Sheets of last three years, copies of work order/ work completion certificate for Government/ PSUs / Public Sector Banks/ Private Banks/ Industries. Additional supporting documents if required would be asked

for, subsequently. In the absence of certificates, the Bid application will be summarily rejected.

2.2 The intending bidder should be Manufacturer/ Firm/ Company/ Dealer in the field of supplying, installation & maintenance of the security equipment they intend to apply for a minimum period of **07 years** as on **01 Oct 2018**.

2.3. Further, during the last five **years they should have carried out similar nature** in Government/ Semi Government/ Nationalized Public Sector Banks/ Public Sector Undertaking (PSUs) / Financial Institutes (FIs)/ Corporate Offices etc they are bidding for. Following documentary proof should be provided in support of work done:

(a) Copy of work order (b) Completion Certificate (c) Satisfactory Performance Certificates from the clients in original.

2.4. **ANNUAL TURNOVER**: The Vendor desirous of empanelment with the Bank should have an average Annual Turnover for the past three years i.e. 2015-16, 2016-17 and 2017-18 ending 31<sup>st</sup> March of the previous financial year and annual turnover during the past three years should be as per **Para 2.1** above.

2.5. Manufacturers/ Firms/ Companies/ Dealers/ Vendors must have valid PAN and GSTIN/ CSTIN Number and should have complied with all applicable statutory provisions/ obligations.

2.6. If the vendor is original equipment manufacturer of the **proposed make** (as per the RFP document) of the system or a subsidiary company of a manufacturer company for such system, proof for the same must be provided.

2.7. If the vendor is authorized supplier of the **proposed make** (as per the RFP document) of equipments, it shall have back-to-back agreement with each of the equipment Manufacturer, to give direct support for maintenance, spares and upgrades for a minimum period **of 5 years** (including warranty period). (**Appendix-1**)

2.8. The company/ vendor should have Manufacturer's Authorization Form (MAF) in original with clear validity date. The copy of the same is to be attached with the documents. (**Appendix-1**)

2.9. All products/ equipment, the vendor proposed to supply in the Bank must **be UL** (Underwriters Laboratories Inc) / **CE** (*Conformité Européenne* ("European Conformity")) / **BIS** (Bureau of Indian Standard) certified. A proof of the same is required to be provided by the vendor.

2.10. The Manufacturer of the equipment must have a sound well documented Quality



Framework. Applicant is permitted to submit a valid ISO certificate (ISO 9001:2008) (ISO14001:2004) or equivalent (**not older than 01 year**) for the Manufacturer in support of this clause, if any.

2.11. The applicant should have an established office/ service centre with technical personnel in one or more of the Administrative Offices, Mumbai / Pune / Goa / Nagpur / Aurangabad under LHO Mumbai for providing 24 hours X 7 days' post implementation support. Complete address, contact details like Tele No., Fax No., email ID and Mobile Nos. and documentary evidence for the same should be provided. The Office should be there for minimum **02 year** as on the date of the tender. Proof for the same to be submitted like Gumasta License Copy. Vendor would be given appropriate weightage in the Matrix.

2.12. The Manufacturers/ Firms/ Companies/ Dealers/ Vendors should have sufficient qualified and trained engineers/ technicians for supervision and execution of work at each of the location mentioned in Para 2.11 (List of technician/ tradesmen along with their qualification to be enclosed).

2.13. The Manufacturers/ Firms/ Companies/ Dealers/ Vendors should have sufficient workshop space & technical equipments for testing/ repairing/ execution/ maintenance of equipment befitting to the quality & quantity of work. The Bank may inspect the facilities of the Manufacturer/ Firm/ Company/ Dealer/ Vendor to verify the genuineness and to ensure the conformity with the details given.

2.14. The proposed security equipment should be of an established brand and should be in market for the last 05 years (Proof to be submitted). Bidders applying either for one or for all security and fire safety equipment systems must submit applications **separately** for each Security / Fire Safety System, in a sealed envelope along with the relevant documents and super scribed **“Expression of Interest for the Empanelment, for the Supply, Installation, Testing & Commissioning of \_\_\_\_\_ Security/ Fire Safety Equipment.**

**2.15. Work Order:**

Experience of having successfully completed the relevant security/ fire safety equipment related works during last 7 years up to 31.08.2018. As per Para - 2 .1. Copy of work order and successful completion certificate must be provided in original. Non-submissions of completion certificate will mean that the required amount of work has not been done and the proposal will be rejected.

- 2.16. Satisfactory performance certificate in original from the customer where the installation has been done.
- 2.17. **Solvency Certificate:** The vendor (**except individual fire auditor**) should have latest solvency certificate of Rs **Ten lakhs only** certified by a scheduled Bank. **It should not be older than six months from the date of submission.** In case, the applicant is not able to supply the solvency certificate in original, then the copy of the certificate shall be attested by the issuing Bank.
- 2.18. **Product Literature:** Technical Specifications/ Brochure of the product offered to be attached.
- 2.19. 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.
- 2.20. The Manufacturer/ Firm/ Company/ Dealer/ Vendor must have Registered Office/ Branch Office in Maharashtra and/ or Goa State for minimum period of two (02) year. Presence of Vendor in more than one of the following district of Maharashtra and Goa will be given weightage in matrix:
- (a) Pune (b) Nagpur (c) Aurangabad (d) Nasik (e) Mumbai (all districts under Mumbai) and Goa.
- 2.21 The Vendor applying for empanelment should be empaneled / installed similar equipment /looked after the Annual Maintenance of similar security equipment in **at least five** Government / PSUs, Banks (Public/ Private sector) for at least 3 years in last seven years (**Vendor should provide reference of the institution they have worked with and they will qualify only if the bank get positive feedback from those institution).**
- 2.22 Weightage will be given to the vendor, in matrix for his empanelment with SBI Mumbai Circle/ other SBI Circles or other Government / PSUs, Banks (Public/ Private sector). (Proof of current empanelment to be submitted). Vendor who is empanelled with more number of institutions, will get more marks.
3. **COST OF BIDDING:** The participating Bidders shall bear all the costs associated with or relating to the preparation and submission of their bids including but not limited

to preparation, copying, postage, delivery fees, expenses associated with any demonstration or presentations which may be required by the Bank or any other costs incurred in connection with or relating to their bid. The Bank shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a bidder regardless of the conduct or outcome of the bidding process.

#### **4. THE BIDDING DOCUMENTS**

4.1 The Vendor is expected to examine all instructions, forms, terms and specifications in the Bidding Document. Failure to furnish all information required by the Bidding Document or to submit a Bid not substantially responsive to the Bidding Document in every respect will be at the Vendor's risk and may result in the rejection of the Bid.

4.2. The Vendor shall indicate the measure of compliance to each paragraph of this RFP. While preparing the compliance report, if the Vendor feels that additional information would be required for enabling full understanding of the Vendor's offer, such points should be supplemented by additional description information.

**4.3 All papers / documents/ attachments must be serially numbered and an index of all attachments with total number of pages in the bid must be attached.**

4.4 The information provided by the Bidders in response to this RFP will become the property of SBI and will not be returned. Incomplete information in bid document may lead to non-consideration of the proposal.

#### **5. CLARIFICATION / AMENDMENT OF BIDDING DOCUMENT**

5.1 Vendor requiring any clarification of the Bidding Document may notify the Bank in writing at the address or by e-mail indicated in Schedule of Dates.

5.2 Text of queries raised (without identifying source of query) and response of the Bank together with amendment to the bidding document, if any will be posted on Bank's website.

5.3 No individual clarification will be sent to the vendors. It is the responsibility of the vendor to check the website before final submission of bids.

5.4 Relaxation in any of the terms contained in the Bid, in general, will not be permitted, but if granted by Bank, the same will be put up on Bank's Website.

5.5 All vendors must ensure that such clarifications / amendments have been

considered by them before submitting the bid. Bank will not take responsibility for any omissions by vendor.

5.6 At any time prior to the deadline for submission of Bids, the Bank, for any reason, whether, at its own initiative or in response to a clarification requested by a prospective Vendor, may modify the Bidding Document, by amendment which shall be made available to the Bidders by way of corrigendum/addendum.

5.7 Bank reserves the right to amend, rescind or reissue the RFP at any time prior to the submission of bids. The interested parties/Bidders are advised to check the Bank's website regularly till the date of submission of Bid document specified in the schedule of events and ensure that clarification/amendments issued by the Bank, if any, have been taken into consideration before submitting the bid. Such amendments/clarifications, if any, issued by the Bank will be binding on the participating Bidders. Bank will not take any responsibility for any such omissions by the Bidders.

5.8 The Bid prepared by the Vendor, as well as all correspondence and documents relating to the Bid exchanged by the Vendor and the Bank and supporting documents and printed literature shall be submitted in English.

5.9 Queries received after the scheduled date and time will not be responded / acted upon.

6. **EXTENSION OF DEADLINE FOR SUBMISSION OF BIDS:** In order to enable vendors reasonable time in which to take amendments into account in preparing the bids, the Bank, at its discretion, may extend the deadline for submission of bids.

## 7. **BID PRICES**

7.1. Prices are to be quoted in **Indian Rupees** only.

7.2. Prices quoted should be all inclusive but excluding taxes.

7.3. Prices quoted by the Vendor shall be fixed for minimum period of 01 year. A Bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.

7.4 **Bank will review the price of all the equipments in the tender every year through bidding process (online/ offline).**

## 8. **Documentary Evidence Establishing Vendor's Eligibility and Qualifications**

8.1 The documentary evidence of the Vendor's qualifications to perform the

Contract, if its Bid is accepted shall be establish to the Bank's satisfaction:

(a) that adequate, specialized expertise are available to ensure that the support services are responsive and the Vendor will assume total responsibility for the fault-free operation of the solution proposed and maintenance during the warranty period and after it. Vendor should be in position to provide necessary maintenance services up to next three (03) years under AMC, post warranty.

## **9. Documentary Evidence Establishing Eligibility of Products and Conformity to Bidding Documents**

9.1 The Vendor shall submit point by point compliance to the technical specifications **(as per Appendix-8)**.

9.2 Any deviations from specifications should be clearly brought by the Vendor and explained.

9.3 The Vendor should quote for the entire package on a single responsibility basis for hardware / software / services it proposes to supply/ provide.

9.4 On selection, the price break up item wise to be submitted and **under no circumstance, price of individual items should be quoted/ sold to the Bank above its MRP**. Quoting of price of item above MRP will reject the bid and next lowest vendor will be given chance to offer his product.

## **10. Earnest Money Deposit (EMD)**

10.1 The Vendor shall furnish, as part of its Bid, an EMD in form of DD in the name of AGM (P&E), SBI, LHO Mumbai payable at Mumbai. The EMD amount as per Para-2.1 for each of the security item, Vendor intend to empaneled.

10.2 The EMD is required to protect the Bank against the risk of Vendor's conduct, which would warrant the EMD's forfeiture.

10.3 Any Bid without an EMD will be rejected by the Bank, as non-responsive.

10.4 The EMD of the unsuccessful Vendors shall be returned within 30 days from the date of award of contract to successful vendor and no interest shall be payable on EMD of unsuccessful renderers.

10.5 The successful Vendor's EMD will be in turn would be adjusted against the security deposit amount as per Para-2.1 for each of the security item, Vendor intend to empaneled with. This money will be held up to the existence of contract with the

vendor.

10.6 The EMD may be forfeited:

(a) if a Vendor does not participate in the reverse auction or offline commercial bid (as the case may be) or

(a) if a Vendor makes any statement or encloses any form which turns out to be false / incorrect at any time prior and / or after signing of Contract; or

(b) In the case of a successful Vendor, if the Vendor fails;

(i) To sign the Contract;

(ii) Fails to perform the contract as per the bid submitted

(iii) If it is found that the vendor is involved in 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.

(iv) If it is found that the contract have been signed by misrepresentation or in contravention of the any of the terms of the bid.

(v) Withdrawal of a Bid during interval may result in the Vendor's forfeiture of its EMD. (refer clause 14.5.3)

## 11 PERIOD OF VALIDITY OF BIDS

11.1 Bids shall remain valid for a period of 180 days from the date of opening of the Bid. A Bid valid for a shorter period may be rejected by the Bank as non-responsive.

11.2 In exceptional circumstances, the Bank may solicit the Vendors' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The EMD provided shall also be suitably extended. A Vendor may refuse the request without forfeiting its EMD.

11.3 The Bank reserves the right to call for fresh quotes any time during the validity period, if considered necessary.

## 12 BIDDING PROCESS (TWO STAGE)

12.1 For the purpose of the present tender, a two-stage bidding process as mentioned below will be followed for each category of security and fire safety equipment. Hard copies of Bid documents duly filled in along with a covering letter as per **"Appendix 1-A"** should be submitted along with Technical bid and Price bid **as mentioned below -**

(a) Technical Bids

(b) Commercial Bids: Indicative Prices

12.2 Both the Bids will be submitted simultaneously in separately sealed NON-WINDOW envelopes subscribing ***"Commercial Bids for the Supply, Installation, Testing & Commissioning of \_\_\_\_\_ Equipment" on Commercial Bid Envelop and "Indicative Price Bid for the Supply, Installation, Testing & Commissioning of \_\_\_\_\_ Equipment"*** on Commercial Bid Envelop.

12.3 Indicative Price Bid Proposal, as per the as per **Appendix-2** on the Vendor's letter head wherein the **"All Inclusive Price"** excluding taxes under the signature and seal. He will also enclose the price break up as per appendix 5 and 5(a) separately.

12.4 Both the envelopes will further put inside a sealed cover subscribing ***"Bids for the Supply, Installation, Testing & Commissioning of \_\_\_\_\_ Equipment" with a covering letter as per format Appendix- 1(A).***

12.5 In the first stage, only TECHNICAL BID will be opened and evaluated as per matrix. Bidders satisfying the technical requirements as determined by the Bank and who accepts the terms & conditions of this document, on positive feedback from referral institutes and demonstration of product shall be short-listed for second stage.

12.6 If adverse feedback is conveyed by the referral Institute/ Office that bidder is liable to be disqualified.

12.7 Email through the domain of the organization will be treated as valid modes however email through Gmail, yahoo or any such sites will not be entertained.

12.8 Under the second stage, the COMMERCIAL BID of only those bidders, who are qualified in Technical Bids will be **considered**.

### 13 **DOCUMENTS COMPRISING THE BID**

13.1 Documents comprising the **Technical Proposal Envelope**, should contain following:

- i) Application For Empanelment – **Appendix-3**
- ii) Application Money.
- iii) EMD – **Appendix-4**
- iv) Manufactures/ Producers Authorization Form - **Appendix-1**
- v) Check List: Eligibility Criteria – **Appendix -7**

a) Compliance in accordance with the clauses in the BID and duly signed by the authorized representative of the Vendor and stamped with the official stamp of the Vendor on each page of the Bid document with complete Index and paging. (Board resolution authorizing representative to bid and make commitments on behalf of the Vendor to be attached).

b) **INDICATIVE PRICE BID**: The bidder shall provide indicative Price Bid in the format as per **Para-28**, along with the Technical Bids, in a separate seal cover.

13.2 A separate non-refundable application **money** as per Para-2.1(Colmn-04) in the form of demand draft drawn in the name of AGM (P&E) SBI LHO Mumbai, payable at Mumbai should be enclosed with the tender for each of the tender application.

13.3 While submitting the Technical Bid, literature on the software / hardware if any, forms and bids documents should be segregated and kept together in one section / lot. The EMD & application money to be given in separate envelops with proper encryption on top.

13.4 Any Technical Proposal not containing the above will be rejected.

13.5 The Technical Proposal should **NOT** contain any price information. Such proposal, if received, will be rejected.

13.6 The Technical bid should be addressed to the Bank at the address given in the RFP. The inner envelopes shall also be addressed to the Bank at the address given in



the RFP. All envelopes should prominently indicate the name and address of the Vendor on the cover.

13.7 The Bid shall be typed or written in indelible ink and shall be signed and stamped by the Vendor or a person or persons duly authorized to bind the Vendor to the Contract. The name and designation of the person or persons signing the Bids with their signature on last page and signature/ initials and stamp should be put on all pages of the Bids, except for un-amended printed literature.

13.8 Any inter-lineation's, erasures or overwriting shall be considered as invalid bid. The Bank reserves the right to reject bids not conforming to the above.

13.9 If the envelope is not properly sealed and marked, the bid will be rejected.

#### **14. SUBMISSION OF BIDS**

14.1 Bids must be received by the Bank at the address specified, not later than the date & time specified in the RFP.

14.2 In the event of the specified date for submission of bids being declared a holiday for the Bank, the bids will be received up to the appointed time on the next working day.

14.3 The Bank may, at its discretion, extend the deadline for submission of bids by amending the bid documents, in which case, all rights and obligations of the Bank and vendors previously subject to the deadline will thereafter be subject to the extended deadline.

14.4 **LATE BIDS:** Any Bid received after the deadline for submission of Bids prescribed, will be rejected and returned unopened to the vendor.

#### **14.5 WITHDRAWAL OF BIDS**

14.5.1 The Vendor may withdraw its Bid after the Bid's submission, provided that written notice of the withdrawal of the Bids, is received by the Bank, prior to the deadline prescribed for submission of Bids.

14.5.2 The Vendor's withdrawal notice shall be prepared, sealed, marked and delivered. Scanned copy of the withdrawal notice may also be sent by email, but followed by a signed confirmation copy, postmarked, not later than the deadline for submission of Bids or opening of the Bid.

14.5.3 No Bid may be withdrawn after opening of the Bid and the expiration of the period of Bid validity specified by the Vendor on the Bid Form. Withdrawal of a Bid

during this interval may result in the Vendor's forfeiture of its EMD.

## **15. OPENING AND EVALUATION OF BIDS:**

### **15.1 Opening of Bids by the Bank**

15.1.1 The Vendors' names, Bid modifications or withdrawals and the presence or absence of requisite EMD and such other details as the Bank, at its discretion, may consider appropriate, will be announced at the time of technical Bid opening.

15.1.2 Bids and modifications sent, if any, that are not opened at Bid Opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the Vendors

### **15.2 PRELIMINARY EXAMINATION**

15.2.1 The Bank will examine the Bids to determine whether they are complete, required formats have been furnished, the documents have been properly signed, and the Bids are generally in order.

15.2.2 Prior to the detailed evaluation, the Bank will determine the responsiveness of each Bid to the Bidding Document. For purposes of these Clauses, a responsive Bid is one, which conforms to all the terms and conditions of the RFP without any deviations.

15.2.3 The Bank's determination of a Bid's responsiveness will be based on the contents of the Bid itself, without recourse to extrinsic evidence.

15.2.4 If a Bid is not responsive, it will be rejected by the Bank and may not subsequently be made responsive by the Vendor by correction of the non-conformity.

### **15.3 TECHNICAL EVALUATION**

15.3.1 Only those Vendors and Bids who have been found to be in conformity of the eligibility terms and conditions during the preliminary evaluation would be taken up by the Bank for further detailed evaluation. Those Bids who do not qualify the eligibility criteria and all terms during preliminary examination will not be taken up for further evaluation.

15.3.2 The Bank reserves the right to evaluate the bids on technical & functional parameters including factory/ office visit and witness demos of the system and verify functionalities, response times, etc.

15.3.2. Bank reserve the right to verify the photocopies of documents submitted by the

bidders with the originals.

15.3.3. Bank will evaluate the technical and functional specification of all the equipments quoted by the Vendor and weightage for various features would be as per the **EVALUATION MATRIX** at Para 15.3.4

### 15.3.4 TECHNICAL BID: EVALUATION MATRIX

S. No	Parameter	Criteria	Max Marks	Marks Obtained
1.	Constitution of the Firm	Sole Proprietary - 02 Partnership - 03 Private Limited - 05 Public Limited - 06	06	
2.	Average Annual Turnover during last three years (in sales of related works)	Upto Specified limit – 02 (extra ½ marks for every completed 20% above specified limit) Max- 05	05	
3.	Vendor is a profit-making company for last 03 years	Profit making in all last 03 years - 05 Profit making in last 02 years - 03 Profit making in last 01 year - 01	05	
4.	Years of experience	More than 7 & upto 10 years - 05 More than 10 & upto 13 years - 07 More than 13 & upto 15 years - 10	10	
5.	Bidder Status:	Manufacturer of the given brand – 05 Subsidiary company of given brand- 04 Authorized dealer of the given brand- 03 None of the above - 00	05	
6.	ISO certificate given for excellence to the bidding Company / Vendor	Yes – 03 No – 00	03	
7.	Vendor is empaneled with (in last five years)	SBI, LHO Mumbai – 03 marks      Other SBI LHOs – 02 marks each Empaneled with Government/ Semi Govt / PSU/ FI - 01 mark each Empaneled with establishment other than above- ½ mark each	08	
8.	Turnover in specific security equipment (In which vendor wished to apply)	Equal to specified - 04 (01 additional mark for every 10% above specified) MM- 10	10	
9.	Presence of Company Office in Maharashtra / Goa (02 mark for each district)	Mumbai (any dist) - 02 North/ South Goa - 01 Aurangabad- 01 Nagpur - 01 Nasik - 01 Pune -01 Maharashtra (Any dist other than above) - 01	08	
10.	Referral Report from Clients (Minimum 05 pertains to last 03 years)	Excellent/ Good Client Report – 02 mark each Satisfactory Client Report – 01 mark each No/ Un-satisfactory / poor report – minus 02 mark each	10	

12.	Presence of Company in the Market, whose product is being offered	05 Years – 03 (additional ½ marks for each year above 05 years) MM- 05	05	
	Site visit, Technical Presentation, and equipment demonstration at LHO, Mumbai	Technical Presentation – 10	25	
		Equipment / Product demonstration -15		
		Total	100	

**Note: Format Not applicable for individual Fire Auditors. They only need to apply on plain paper giving their bio-data and relevant documents in support of their claim.**

15.3.5. Marks under each parameter will be awarded by the committee and the decision of the Committee will be final. 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, then applicants scoring 72 marks and above will be considered for further process.**

15.3.6. 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 and no change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the vendor shall be entertained.

15.3.7 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.

## 16 **EMPANELMENT OF THE VENDOR:**

16.1 Those Vendors who qualify in pre-qualification and Technical evaluation will be eligible for **empanelment in the Bank for period of 03 year from the date of signing of agreement**. The **validity of empanelment may be renewed 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.** That until a formal contract is prepared and executed, this offer, together with the Bank's written acceptance thereof and the Bank's notification of award shall constitute a

binding contract between Bank and successful vendor.

16.2 The performance of the vendors will be renewed on yearly basis. The vendors have to submit their consent in writing for working with bank as per the Term and Condition of this RFP in their company letter head, sealed and signed by the authorized person. **Appendix-5.** It is to note that after the completion of a year if the vendor does not get de-empanelment notice from the Bank it will constitute that the vendor empanelment continues in the Bank for another one year.

16.3 **The vendor empaneled with State Bank of India must have to open an account with Bank in which all cash transaction with Bank will be routed.** If the vendor does not have an account with State Bank of India, the same is required to be opened within 07 days after getting empaneled with the Bank, in the absence of which, they shall not be allowed to participate in the Commercial bid.

16.4 This security deposit money may be increased proportionately as and when the vendor gets the work order.

16.5 If empaneled vendor does not participate in reverse auction or commercial bid subsequently or in future within contract period, then the empanelment of the vendor will be cancelled and the security money deposited will be forfeited.

16.6 Review of the performance of the empaneled vendor will be done on yearly basis.

17. **COMMERCIAL BIDS: Rate fixation of different components of various security / fire safety System: Through e-reverse auction.**

17.1 Those Vendors who qualify in Technical evaluation and subsequently empaneled in the Bank, will be allowed to participate in e-reverse auction.

17.2 Bidding **will be done for complete Circle branches/ offices/ ATMs falling under Mumbai Circle and also for AMC charges** . It should be noted that the rates of individual items should not be quoted above MRP otherwise the bid will not be accepted.

17.3 The L1 Vendor will be selected on the basis of price bid quoted for individual equipment/work.

17.4 Arithmetic errors, if any, in the price breakup format will be rectified as under:

17.4.1. If there is a discrepancy between the unit price and total price which is obtained

by multiplying the unit price with quantity, the unit price shall prevail and the total price shall be corrected unless it is a lower figure. If the vendor does not accept the correction of errors, the bid will be rejected.

17.4.2. If there is a discrepancy in the unit price quoted in figures and words, the unit price in figures or in words, as the case may be, which corresponds to the total bid price for the bid shall be taken as correct.

17.4.3. If the vendor has not worked out the total bid price or the total bid price does not correspond to the unit price quoted either in words or figures, the unit price quoted in words shall be taken as correct.

17.4.4. Bank may waive off any minor infirmity or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such a waiving does not prejudice or affect the relative ranking of any bidder.

17.5 **FINAL RATES OF INDIVIDUAL ITEMS**: The final rates of individual items will be calculated in ratio of total amount quoted by the lowest bidder through reverse auction process and the amount quoted in indicative price bid, after taking out the K factor, in the following manner:

17.5.1 Bidding Example: Indicative Price Bid submitted by vendor:

	Rate (Rs.)	Quantity	Amount
	100	2	200/-
	200	3	600/-
	300	4	1200/-
Total amount in Indicative Price bid			<b>2000/-</b>

**Total amount in Indicative Price bid 2000/-**

The total amount mentioned in indicative price bid is Rs.2, 000/- but the final L-1 amount quoted by the vendor through E-reverse auction is Rs.1, 600/- then the K factor for L-1 vendor will be calculated as under:

Ratio K = (Total amount quoted by the lowest bidder through reverse auction process)  
/ (The amount quoted in indicative price bid).

$$K = 1600 / 2000 = 0.8$$

**The item wise final price to be confirmed by the vendor shall be as under:**

	Final Rate= K*(R)	Qty.	Amount
	100x0.8	2	160/-
	200x0.8	3	480/-
	300x0.8	4	960/-
Total amount worked out after e-reverse Auction			<b>1600/-</b>

17.5.2 The lowest bidder after the e-reverse auction process will have to fax & email the duly signed filled-in prescribed format to SBI through service provider within 24 hours of auction without fail.

17.6 **QUOTATION OF PRICES FOR ALL ITEMS**: The Vendor should quote for complete solution proposed/ listed in this Bid. In case, prices are not quoted by any Vendor for any specific product and / or service, for the purpose of evaluation, the highest of the prices quoted by other Vendors participating in the bidding process will be reckoned as the notional price for that service, for that Vendor. However, if selected, at the time of award of Contract, the lowest of the price(s) quoted by other Vendors (whose Price Bids are also opened) for that service will be reckoned. This shall be binding on all the Vendors. However, the Bank reserves the right to reject all such incomplete bids.

17.7 The commercial bid shall include the complete cost of the project, implementation cost i.e. all cost involved till the time of testing and satisfactory handing over the complete system to the purchaser i.e. the State Bank of India.

17.8 The online reverse auction shall be conducted by the Agency authorized by the Bank to conduct the e-bidding process. The short-listed vendors will be trained by the Agency for this purpose, and they should also be willing to abide by the E-business rules framed by the Bank in consultation with Agency. In this connection, the vendors should sign the business rules documents prescribed by the above agency and the Bank. For the purpose of -reverse auction, the vendor will **arrange for the digital signature**. In case e-reverse auction failed due to expiry of digital signature of any vendor, the responsible vendor will be imposed a penalty of **Rs 5000/-** (Rupees Five



thousand) and repetition of the same will result in forfeiture of EMD/ Security money deposit. The Bank may further, if considered necessary, debar that vendor from participating in Banks tendering process for next three years.

17.10 Bank reserves the right to reject unexpectedly low commercial bids (which will be ascertained by the Bank through OEM of the proposed items) and debar the Vendor from participating in Banks tendering process for next three years.

18.1 No Vendor shall contact the Bank on any matter relating to its Bid, from the time of opening of Price Bid to the time the Contract is awarded.

18.2 Any effort by a Vendor to influence the Bank in its decisions on Bid evaluation, Bid comparison or contract award may result in the rejection of the Vendor's Bid.

## **19 AWARD CRITERIA**

19.1 The allocation of work will be done in the following manner provided the vendors are willing to match the L-1 price:

a) **L1** will be recommended for work in Branches/ Offices/ATMs falling under 04 Administrative Offices.

b) **L2** will be recommended for work in Branches/ Offices/ATMs falling under 03 Administrative Offices.

c) **L3** will be recommended for work in Branches/ Offices/ATMs falling under 02 Administrative Offices.

d) **L4, L5** and L6 will be recommended for work in Branches/ Offices/ATMs falling under 01 Administrative Offices.

e) In case any/each of L2 to L6 are not willing to work for L1 rates than the offer will pass to the next vendor's i.e L7, L8 and so on. In case, no vendor agrees to work in L1 price, then the Bank's decision in this regard will be final and binding on all bidders.

19.2 The Bank will award the Contract to the successful Bidder, who is willing to perform the Contract satisfactorily, and whose Bid has been determined to be responsive, and is the lowest evaluated bid i.e L1. The Bank may, if considered necessary, hold comprehensive price negotiations with L1 vendor.

19.2.1. The work will be given to the L1 vendor and in case L1 shows unwillingness to work, then commercial bidding (Online) will be done again. The EMD of the L1 vendor who after bidding showed unwillingness to accept the work, will be forfeited and the

Bidder shall not be allowed to participate in future tender process for three years

19.3. 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 equipments are to be supplied from what was originally specified while floating the RFP without any change in unit price or any other terms and conditions.

## 20 **NOTIFICATION OF AWARD**

20.1 Prior to expiration of the period of Bid validity, the Bank will notify the successful Vendor in writing or by e-mail, that his Bid has been accepted.

20.2 The notification of award will constitute the formation of the Contract. The selected Vendor should convey acceptance of the award of contract by returning duly signed and stamped duplicate copy of the award letter within 7 days of receipt of the communication. **Appendix-5**

20.3 Upon notification of award to the L1, L2, L3 , L4, L5 and L6 vendors, the Bank will promptly notify each unsuccessful Vendor and will discharge its EMD.

20.4 Although, the work will be allotted up to L-6 vendor, remaining vendor(s) if any will be empaneled in the bank for 01 years. For this they have to submit their consent letter (**Appendix-5**). They will not be allotted any work immediately. But in case of unsatisfactory performance by any of the empaneled vendors, the Bank may award work to empanelled vendor if they agree to work in approved L-1 price for the contract period. Or they will be called to participate in future commercial bids for the Security and Fire Safety system, they have been empaneled.

21 **SECURITY DEPOSIT:** Security Deposit as per **Para 2.1 (Column-07)** in the form DD (in the name of AGM P&E SBI LHO Mumbai payable at Mumbai) to be submitted by the successful vendor within 07 days and this amount will be deposited in the Bank's current Account and the vendor will not get any interest on the amount. Contract will be signed after deposit of the security deposit amount. The amount will be held by the Bank during the term of the contract.

## 22. **SIGNING OF CONTRACT:**

22.1 In the absence of a formal contract, the Bid document, together with the Bank's notification of award and the vendor's acceptance thereof, would constitute a binding contract between the Bank and the successful Vendor.

22.2 Failure of the successful Vendor to sign the agreement with the Bank shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD.

22.3 The Bank reserves the right either to forfeit the security deposit or to cancel the purchase order or both if the Vendor fails to meet the terms of this RFP or contracts entered into with them.

22.4 With this empanelment of Vendors for supply of security equipments, Banks will not be debarred from its right to call tender for purchase of one or all or any of the security equipment from the open market or from the empanelled Vendors, if the situation so warranted.

23 **SIGNATURES:** In the event of the bid being submitted by a firm, it must be signed separately by each member thereof, or in the event of the absence of any one or more of the partners, it must be signed on his / their behalf by a person holding a power of attorney authorizing him to do so. In the case of authorized person, the copy of letter issued by competent authority to sign on behalf of the company should be enclosed **(with resolution copy).**

## 24 **GENERAL**

24.1 The Vendor shall present a comprehensive description of the architecture and configuration of the proposed system, identifying salient features and functions that include design proposal with layouts, diagram, etc. Third party equipment offered, as system integrator must be indicated. The selected final vendor must provide a project execution plan with a technical proposal wherever required or asked by the Bank.

24.2 Any functions or features not specifically mentioned in technical specification of the product, but which may be necessary for the completeness and efficient performance of the system as an operating entity shall be indicated by the Vendor and explained in detail indicating any price variation. Price of any item or feature not offered by the Vendor as part of basic configuration shall be indicated separately.

24.3 The vendor shall clearly indicate the country of origin, manufacturer of the equipment.

24.4 Testing and Certification: The vendor shall arrange to provide testing and certification of the complete system installed.

24.5 All systems and components must be in compliance with certifications as mentioned in the respective specifications.

24.6 The bank may arrange for the OEM/ third party inspection of the products/equipment provided (as per the RFP document) for the system installed for its meeting the entire RFP criterion. The vendor who wins contract shall provide all the possible assistance in this process. In case it was found that the equipment/hardware/ software supplied is not as per given brands / specifications, Bank will take a suitable action as deemed fit.

24.7 It will be imperative on each of the vendors to fully acquaint themselves with all the local conditions and factors, which can have any effect on the performance of the contract.

24.8 Earthling arrangements for all the equipments shall be the responsibility of the Supplier and to be carried out as per standard procedures.

24.8. The system software should be free of cost along with the system price and in future if any up gradation is required for running of the system than it should be upgraded free of cost.

## **25 MISCELLANEOUS**

25.1 The selected Vendor (L-1 to L-6) will enter into an agreement with each of the Admin Office separately, they will be working with.

25.2 Vendor should carry out installations / AMC tasks in close coordination with the Branch Manager, Security Officer and **Chief Manager (GB/ Admin)** posted at Branches, AO/RBO, depending on the Bank's requirement.

25.3 The selected Vendor should undertake to implement the observations / recommendations of the Bank's IS-Audit, Security Audit Team or any other audit conducted by the Bank or external agencies and any escalation in cost on this account will not be accepted by the Bank.

## **26 BANK'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:**

The Bank reserves the right to accept or reject any Bid in part or in full or to cancel the Bidding process and reject all Bids at any time prior to contract award, without incurring any liability to the affected Vendor or Vendors or any obligation to inform the affected Vendor or Vendors of the grounds for the Bank's action.

**27. TECHNICAL SPECIFICATION:** All necessary hardware and software required to make the security system will be strictly as per technical specifications given for each of the equipment (Refer **Appendix-8** for specification/ qualification). The specifications given are minimum. Vendors can quote equivalent or higher technical specifications to meet the Bank's requirements. However, no weightage would be given for higher configurations.

**28. TECHNICAL SPECIFICATIONS OF SECURITY AND FIRE SAFETY EQUIPMENT:** As per appendix-8 attached.

**29. TERMS AND CONDITIONS OF CONTRACT (TCC)**

**29.1 DEFINITIONS:** Certain terms used in this Agreement are defined hereunder. Other terms used in this unless otherwise specifically defined, those terms, acronyms and phrases in this Agreement that are utilized in the information technology services industry or other pertinent business context shall be interpreted in accordance with their generally understood meaning in such industry or business context, unless the context otherwise requires/mentions, the following definitions shall apply:

29.1.1 'The Bank' shall mean the State Bank of India (including its branches and its offices.

29.1.2 "Vendor" is the bidder who will participate in the tender process and also covers those who will be successfully empanelled in the Bank.

29.1.3 "Confidential Information" shall have the meaning set forth in Clause 22.

29.1.4 "Deficiencies" shall mean unsatisfactory outcome of the Services which has resulted in deviation from the desired outcome and has thereby cause loss to a party of this Agreement.

29.1.5 "Documentation" 'Documentation' includes, user manuals, installation manuals, operation manuals, design documents, process documents, technical manuals, functional specification, software requirement specification, on-line tutorials/ system configuration documents, system/database administrative documents, debugging/diagnostics documents, test procedures, Review Records/ Test Bug Reports/ Root Cause Analysis Report, list of all Product components, list of all dependent/external modules and list of all documents relating to traceability of the Product as and when applicable etc.

29.1.6 “Intellectual Property Rights” shall mean, , any and all: (a) rights associated with works of authorship, including copyrights & moral rights; (b) Trade Marks; (c) trade secret rights; (d) patents, designs, algorithms and other industrial property rights; (e) other intellectual and industrial property rights of every kind and nature, however designated, whether arising by operation of law, contract, license or otherwise; and (f) registrations, initial applications, renewals, extensions, continuations, divisions or reissues thereof now or hereafter in force (including any rights in any of the foregoing).

29.1.7 “Request for Proposal (RFP)” shall mean **RFP NO. MUM/CSO/EMP dated 22/11/2018** along with its clarifications/ corrigenda issued by the Bank from time to time.

29.1.8 “Root Cause Analysis Report” shall mean a report addressing a problem or non-conformance, in order to get to the ‘root cause’ of the problem, which thereby assists in correcting or eliminating the cause, and prevent the problem from recurring.

29.1.9 ‘Services’ shall mean and include the Services offered by Vendor including but not limited to Comprehensive Annual Maintenance Contract under this Agreement. Services’ shall also include the Implementation Services, Training Services and Maintenance Services etc. and other incidental services and other obligation of the service provider shall be provided under this Agreement

29.1.10 “The Contract” means the agreement entered into between the Bank and the Vendor, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein;

29.1.11 “The Contract Price” means the price payable to the Vendor under the Contract for the full and proper performance of its contractual obligations;

29.1.12 “AMC Charges” means the price payable to the Service Provider under the Agreement. The obligations expressed under the AMC shall include all costs relating to labour, spares, maintenance (preventive, unscheduled), and transport charges from site to manufacturer’s works and back for repair/adjustment; or replacement at site of any part of the equipment which under the normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications given by the purchaser to VENDOR.

29.1.13 “The Equipment” means all the security hardware / software and / or services which the Vendor is required to supply to the Bank under the Contract;

29.1.14 “The Services” means those services ancillaries to the supply of the Products, such as transportation and insurance, installation, commissioning,

customization, provision of technical assistance, training, maintenance and other such obligations of the Vendor covered under the Contract;

29.1.15 “TCC” means the Terms and Conditions of Contract contained in this section;

29.1.16 “The Project” means supply, installation, testing and commissioning of Security hardware / software & services. It also includes maintenance of the equipment.

29.1.17 “AO/RBO” means Administrative Office/ Regional Business Office of State Bank of India.

29.1.19 In case of a difference of opinion on the part of the Vendor in comprehending and/or interpreting any clause / provision of the Bid Document after submission of the Bid, the interpretation by the Bank shall be final and binding on the Vendor.

**29.2 THE SCOPE OF WORK** shall include supply, delivery at site, unloading, any other services associated with the delivery of equipment and installation, cabling, commissioning, software optimization/customizations, providing warranty/Post warranty services (i.e. Annual Maintenance Contract) for the equipment and any other related accessories/services for the complete installation and commissioning of system.

29.2.1 Annual Maintenance Contract (AMC) of the existing security system. The required back to back supported certificate from manufacturer of the existing Security Equipment will be arranged by the vendor.

29.2.2 VENDOR shall during the period of agreement / contract supply, install maintain security / Fire Safety SYSTEM installed in the Branches / Offices under the LHO Mumbai in good working order and for this purpose shall provide the maintenance service.

29.2.3 Thorough check up, testing, servicing cleaning, inspection, & maintenance etc. of complete security systems and its accessories.

29.2.4 In case any of the security / fire system requires major repairs, the vendor shall provide a replacement before taking the defective equipment for repairs so that the branch/ ATM remains under CCTV cover all the time.

29.2.5 Will have to provide 04 mandatory branch visits and on-call visits in case of any Emergency Calls, by the respective branches. CCTV recovery charges, as decided by the LHO/ respective Administrative Office.

**29.3. COUNTRY OF ORIGIN / ELIGIBILITY OF GOODS & SERVICES:**

29.3.1 All goods and related services to be supplied under the Contract shall have their origin in eligible source countries, as per the prevailing Import Trade Control

Regulations in India.

29.3.2 VENDOR WARRANTS THAT THE EQUIPMENT supplied shall be brand new, free from all defects in fault and material, and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type shall be in full conformity with the specifications, drawings and samples, if any, and shall operate properly. VENDOR shall be fully responsible for its efficient operation.

29.3.3 Vendor further confirm that all the components /parts /assembly / software etc. used in the equipment to be supplied shall be original new components / parts / assembly / software only, from respective OEMs of the products and that no refurbished / duplicate / second hand components /parts/ assembly / software shall be supplied or shall be used. He also undertake to produce certificate from the Original Equipment Manufacturers in support of the above statement at the time of delivery / installation.

29.3.4 In case of default and the Bank finds that the above conditions are not complied with, than the vendor will take back the equipment supplied and return the money paid by Bank, in full within seven days of intimation of the same by the Bank, without demur or any reference to a third party and without prejudice to any remedies the Bank may deem fit.

29.3.5 In case of default and vendor is unable to comply with above at the time of delivery or during installation, for the Security Hardware / Software already billed, he will take back the security equipments without demur, if already supplied and return the money if any paid to him by the Bank in this regard.

**29.3.6 In event of any information/ data/ particulars proven to be incorrect the Bank will have the right to disqualify the Vendor from the bid and in event of any details submitted turned out to be false during the tenure of AMC the Bank is at discretion to forfeit the EMD/ Security money deposit towards performance security and terminate the AMC.**

29.3.7 VENDOR further certifies that the sale of the software system to the Bank and use thereof do not infringe any provisions of the various laws related to patents, trademarks, copy rights or other intellectual property rights. The software will be free uploaded along with the security equipment cost and will be upgraded free of cost in further if required for the smooth functioning of security equipment.

**29.4. USE OF CONTRACT DOCUMENTS AND INFORMATION:**

29.4.1 The Vendor shall not, without the Bank's prior written consent, disclose the



Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Bank in connection therewith, to any person other than a person employed by the Vendor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

29.4.2 The Vendor shall not, without the Bank's prior written consent, make use of any document or information except for purposes of performing the Contract.

29.4.3 Any document, other than the Contract itself, shall remain the property of the Bank and shall be returned (in all copies) to the Bank on completion of the Vendor's performance under the Contract, if so required by the Bank.

29.4.4 The Supplier will treat as confidential all data and information about the Bank, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Bank.

#### **29.5. PATENT RIGHTS/INTELLECTUAL PROPERTY RIGHTS:**

29.5.1 THE VENDOR shall warrant that the repair and maintenance service/ products offered for sale do not violate or infringe upon any patent, copyright, trade secret or other property right of any other person or other entity. THE VENDOR shall indemnify SBI from any claim, directly or indirectly resulting from or arising out of any breach or claimed breach or infringement of patent/ copy right /license/trade secret or other property right of any other person or other entity for the hardware/peripherals/equipment sourced either from third parties or from themselves.

29.5.2 In the event of any claim asserted by a third party of infringement of trademark, trade names, copyright, patent, intellectual property rights or industrial design rights arising from the use of the Products or any part thereof in India, the Vendor shall act expeditiously to extinguish such claim. If the Vendor fails to comply and the Bank is required to pay compensation to a third party resulting from such infringement, the Vendor shall be responsible for the compensation including all expenses, court costs and lawyer fees. The Bank will give notice to the Vendor of such claim, if it is made, without delay. The Vendor shall indemnify the Bank against all third-party claims.

#### **29.6 INSPECTION AND QUALITY CONTROL TESTS**

29.6.1 The Bank reserves the right to carry out pre-shipment factory / godown inspection at **the location of vendor** by a team of Bank officials or demand a demonstration of the solution proposed on a representative model in Vendor's office. Reasonable facilities and assistance, including access to drawings and production data,

shall be furnished to the inspectors, at no charge to the Bank.

29.6.2 Nothing stated hereinabove shall in any way release the Vendor from any warranty or other obligations under this contract.

**29.7 DELIVERY/ INSTALLATION SCHEDULE & PENALTY FOR DELAYED DELIVERIES/ INSTALLATIONS:**

29.7.1 Delivery and installation of security and fire safety equipment should be within **15 days** from date of placing of work order.

29.7.2 In the event of the equipment not being delivered, installed, tested and commissioned within a period **of 15 days** from date of work Order, a penalty of 01 percent of the total consideration for each week or part thereof the delay, subject to maximum amount of five (05) percent of the total consideration will be charged to vendor.

29.7.3 This amount of penalty so calculated shall be deducted at the time of making final payment after successful installation and commissioning of Security equipment.

29.7.4 In event of further delay (beyond 5 weeks) in installation or maintenance visit, the Bank reserves the right to cancel the Work Order/ AMC and forfeit the EMD/Security money deposit. In the event of such cancellation, the vendor is not entitled to any compensation. **Please note the installation/ maintenance schedule shall be followed strictly as stipulated. Any delay shall be viewed seriously and penalties levied.**

**29.8 DELIVERY/ INSTALLATION & DOCUMENTATION:**

29.8.1 Delivery/Installation of the equipment shall be made by the Vendor in accordance with the system approved / ordered. The details of the documents to be furnished by the Vendor are specified hereunder:-

(a) 2 copies of Vendor's Invoice showing Contract number, Products description along with serial number and Part number, quantity, unit price and Total amount, bar code should be pasted in the installation certificate. **(Appendix-6)**

(b) Manufacturer's / Vendor's warranty certificate, User manuals, CDs etc

29.8.2 The above documents shall be handed over by the vendor to the branch on handing over the security equipment to the branch. Payment will be released after handing of the above-mentioned documents.

29.8.3 Delivery, Installation and commissioning of the equipment shall be made by the vendor in accordance with the system approved / ordered.

29.8.4 **FOR THE SYSTEM & OTHER SOFTWARE, THE FOLLOWING WILL APPLY:**

(a) The Vendor shall provide **free licensed software** for all software products whether developed by it or acquired from others. There shall not be any default in this regard.

(b) Vendor must submit evidence in the form of agreement he has entered into with the software vendor which includes support from the software vendor for the proposed software for the full period required by the Bank.

(c) System / application software delivered along with the equipment, the vendor shall absolve the Bank in all cases of possible litigation / claims arising out of any copyright / license violation for software(s) published either by third parties, or by themselves.

**29.9 ACCEPTANCE PROCEDURE:** On successful completion of installation, commissioning, acceptability test, receipt of deliverables, etc., the installation certificate **(Appendix-6)** signed by the Vendor and the representative of the Bank will be issued. The date on which, such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

**29.10 INSURANCE:**

29.10.1 The security equipment during defect liability period will be covered under insurance. Should any loss or damage occur, the Vendor shall promptly make arrangements for repair and / or replacement of any damaged item irrespective of settlement of claim by the under writers.

**29.11 WARRANTY / UPTIME:**

29.11.1 The Vendor warrants that the products supplied under the Contract are new, unused, of the most recent or current model and they incorporate all recent improvements in design and / or features. The Vendor further warrants that all the Products supplied under this Contract shall have no defect, arising from design or from any act of omission of the Vendor, that may develop under normal use of the supplied products in the conditions prevailing in India.

29.11.2 Warranty for Hardware Components: Onsite comprehensive warranty for all the hardware components including free replacement of spares, parts, kits as and when necessary will be 12 months from date of installation, commissioning and handing over of the equipment to the Bank.

29.11.3 Warranty for the System Software/ off-the-shelf Software will be provided to the Bank as per the general conditions of sale of such software.

29.11.4 All of the terms, warranties and benefits granted by VENDOR herein are

comparable to or better than the equivalent terms being offered by VENDOR to any of its present customers. If VENDOR shall, during the terms of this Agreement, enter into arrangements with any of its customers providing greater benefits or more favourable terms, this Agreement shall thereupon be deemed to provide the same to the Bank.

29.11.5. The Vendor shall in addition comply with the performance guarantees specified under the contract if, for reasons attributable to the Vendor, these guarantees are not attained in whole or in part the Vendor shall make such changes, modifications and / or additions to the Products or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests.

29.11.6 **On-Site Comprehensive Warranty**: The warranty would be on-site and comprehensive in nature and back to back support from the OEM. The vendor will warrant all the hardware and software against defects arising out of faulty design, materials and media workmanship etc. for a period of one year from the date of commissioning and handing over of the equipment to the Bank. The Vendor shall repair or replace worn out or defective parts of the equipment at his own cost including the cost of transport. No charges, fees, accommodation, boarding, etc, shall be paid or provided by SBI to the service engineer or assistants.

**29.12. UPTIME:**

29.12.1. VENDOR shall guarantee and ensure SYSTEM UPTIME efficiency of 99% for the full configuration of the EQUIPMENT, in every quarter. SYSTEM UPTIME for the purposes of this document is defined as productive and error- free time of the EQUIPMENT reckoned on a quarterly basis and the SYSTEM UPTIME efficiency shall be computed as under:

$$\frac{(\text{Total Time} - \text{Down Time}) \times 100}{\text{Total Time}}$$

**29.12.2 Where:** TOTAL TIME is the time (no. of hours) for which the EQUIPMENT is required to be satisfactorily operational at the SITE during the quarter. (90/91/92X24)

30.1.3. DOWN TIME is the aggregate time lost due to EQUIPMENT mal-function, unsatisfactory operation and improper maintenance during the quarter.

**29.13 PENALTY:**

29.13.1 Without prejudice to any of BANK's other rights and remedies, for every 1 % drop in System uptime from the guaranteed 100% during a quarter, VENDOR shall reimburse to the Bank towards penalty, 1 % of value of the AMC contract amount, limited to 25%, this will be recovered from the AMC charges payable /

Retention Money Deposit held by the Bank. Availability will be calculated on a quarterly basis.

29.13.2. In the event of deficiency being such that the 25% penalty ceiling is breached, the vendor shall become liable for further penal actions to the extent of termination of his contract with forfeiture of EMD/RMD as deemed fit and reasonable by the Bank.

29.13.3. **However**, this penalty shall also not apply in case of delays in restoration of system caused by so called acts of God, War, Earthquake, Tsunamis, Riots, Bandhs, Civil Disturbances, any of which affect either the vendor's nearest service centre or the site of installation.

29.13.4. Appropriate Penalties will be recovered from the quarterly payment if successful bidder is not able to achieve required Service levels as mentioned below:

S.No	SLA	Target Penalties	
1	Availability/Uptime of Security System including its accessories 100%	<input type="checkbox"/> 100.00% = NIL <input type="checkbox"/> 98.00% to 99.99% = 1 % of AMC Amount <input type="checkbox"/> 97.00% to 97.99% = 2 % <input type="checkbox"/> 96.00 to 96.99% = 4 % <input type="checkbox"/> 95.00 to 95.99% = 6 % <input type="checkbox"/> Less than 95% = 10 %	
2	Poor quality of pictures or Face Recognition System	Rs. 1000/- per instance	For CCTV System
3	Adequate number of days recording not available	Rs. 100/- for each day < 90	
4	Complaint resolution	Within time limit as per RFP -Nil Delay of each day in complaint resolution – Rs. 100/- / day	
5	Not carrying out AMC as per schedule	Rs. 500/- for every week of delay	
6	Penalty, once the maximum penalty reached.	Bank may terminate the contract and Forfeit the PBG.	
7	Not keeping required Manpower as per SLA	Rs. 1000/- per technician, at every instance	

29.13.5. Any penalty due during the Warranty period will be adjusted against the 10%

retention money held by the respective branch for defect liability period or in the security deposit retained by the Bank.

29.14. **PREVENTIVE MAINTENANCE**: the VENDOR shall conduct Preventive Maintenance (including but not limited to inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the equipment, and necessary repair of the equipment) quarterly of newly installed as well as existing security equipments.

**29.14.1. Vendor will arrange for all necessary authorization certificates for back to back support for maintenance of the existing security system from the manufacturer of the equipment.** During the term of the contract, the VENDOR will maintain the equipment in perfect working order and condition and for this purpose will provide the following repairs and maintenance services :

- a) Free maintenance services during the period of warranty. Professionally qualified personnel who have expertise in the hardware and system software supplied by the vendor will provide these services.
- b) The Vendor shall rectify any defects, faults and failures in the equipment and shall repair/replace worn out or defective parts of the equipment during working hours i.e. from **10.00 A.M. to 06.00 P.M.** on all working days (viz. Monday to Saturday). In case any defects, faults and failures in the equipment could not be repaired or rectified during the said period, the engineers of the VENDOR are required to accomplish their duties beyond the said schedules in case of any situation if it warrants. In cases where unserviceable parts of the equipment need replacement, the VENDOR shall replace such parts, at no extra cost to the BANK, with brand new parts or those equivalent to new parts in performance. For this purpose, the VENDOR shall keep sufficient stock of spares for 05 years from date of installation of equipment.
- c) The VENDOR shall ensure that the full configuration of the equipment is available to the BANK in proper working condition viz. uptime of 100% of the time on a 24x7x365 basis.
- d) In the event of the equipment not being repaired or a workable solution not provided during Warranty period, the vendor will provide temporary equivalent replacement which should be in working condition as a workable solution to avoid the above penalty.
- e) Qualified maintenance engineers totally familiar with the equipment shall

perform all repairs and maintenance service described herein.

f) The Bank shall maintain a Security register at its site in which, the Bank's operator / supervisor shall record each event of failure and / of malfunction of the equipment. The VENDOR's engineer shall enter the details of the action taken in such register. Additionally, every time a preventive or corrective maintenance is carried out, the VENDOR'S engineer shall make, effect in duplicate, a field call report which shall be signed by him and thereafter countersigned by the Bank's official. Maintenance visit will be only counted when in the report system and all its accessory will be marks as working properly. The original of the field call report shall be handed over to the Bank's official.

g) The VENDOR shall provide replacement equipment of similar brand or similar brand with higher make if any equipment is taken out of the premises for repairs.

h) The obligations expressed under the warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive, unscheduled), and transport charges from site to manufacturer's works and back for repair/adjustment; or replacement at site of any part of the equipment which under the normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications given by the purchaser to VENDOR.

i) VENDOR shall further ensure that the EQUIPMENT is not down at any time for want of spare parts.

j) VENDOR shall provide repair and maintenance service, in response to oral, including telephone, notice by the Bank, within stipulated time period and also provide a complaint number for tracking the complaint status. VENDOR shall ensure that faults and failures intimated by the Bank at above are set right on priority.

k) The vendor should undertake to implement the observations / recommendations of the Bank's IS-Audit, Security Audit Team or any other audit conducted by the Bank or external agencies and any escalation in cost on this account will not be accepted by the Bank.

l) During the period of contract due to any reason if there is shortage of spares or the selected model is not available in the market than the company will provide another model, same brand with equivalent configuration or higher on same rates and terms and conditions which should be accepted by the Bank.

**29.14.2 TRANSFER OF OWNERSHIP:** Transfer of ownership of the property shall be effective as soon as the equipment is installed, tested and commissioned at the SITE

and accepted by SBI. While repairing, any worn or defective parts replaced by the VENDOR and the parts replacing the withdrawn parts shall become the property of Bank.

29.14.3 The VENDOR's maintenance personnel shall be given access to the equipment when necessary, for purpose of performing the repair and maintenance services indicated in this agreement on showing of identity card issued by the vendor to its technician.

29.14.4 If Bank desires to shift the equipment to a new site and install it thereof, the VENDOR shall be informed of the same. THE Bank shall bear the charges for such shifting and the VENDOR shall provide necessary arrangement to Bank in doing so. The terms of this agreement, after such shifting to the alternate site and reinstallation thereof would continue to apply and binding on the VENDOR.

29.14.5 No term or provision hereof shall be deemed waived and no breach excused, unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to or waiver of a breach by other, whether express or implied, shall not constitute a consent to or waiver of or excuse for another different or subsequent breach.

29.14.6 On account of any negligence, commission or omission by the engineers of the VENDOR and if any loss or damage caused to the security equipment or to the other electronic equipments of the branch or its property, the VENDOR shall indemnify/ pay/ reimburse the loss suffered by the BANK to its full present cost.

#### 29.15 . **MAINTENANCE AND SUPPORT:**

29.15.1 The Vendor shall clearly state the magnitude of the Vendor's presence in Mumbai & Goa and Administrative Office locations to provide 24x7 post implementation support.

29.15.2 During the warranty period the vendor has to arrange quarterly visits for inspection of the equipment and provide services.

29.15.3 Comprehensive Service Level Agreements (SLA) for AMC for 02 year to be provided by vendors and will essentially have to enter in to an Annual Maintenance Contract (**Appendix-6**) for a minimum period of two year for maintenance of the system installed by them after the expiry of the warranty period

29.15.4 Annual Maintenance of the existing security system is compulsory to be done by the vendor. If the vendor did not have back to back supported certificate from manufacturer of the existing security equipment than he will arrange for it.



#### 29.16 **ANNUAL MAINTENANCE CONTRACT (AMC)**

- a) After expiry of the warranty period, THE VENDOR shall provide maintenance services for the EQUIPMENT at the quoted rate submitted by him after the bidding process, for a period of **two** year (after warranty period), at **quarterly intervals**. The first AMC visit will be done **within** 15 days after the completion of warranty period. Then after, the visits to be carried out on quarterly basis. There should be gap of minimum 70 days between two AMC visits.
- b) The AMC charges will be payable subject to satisfactory maintenance services. THE VENDOR shall not increase the AMC rate during contract period excluding the warranty period. The detailed conditions and covenants governing the AMC would be as per specimen agreement given in (**Appendix-6**) to this RFP. THE VENDOR shall be in position to maintain the complete equipment installed by him during the contract period. SBI may change the terms of the future AMCs, if necessary, to meet changing needs, on mutual agreement with THE VENDOR. The AMC agreement will be executed on Banks standard format.
- c) AMC visit will be construed to be done only when the system is found to be functioning completely/ properly. Vendor will submit maintenance certificate as given in **Appendix-7**
- d) VENDOR shall keep **sufficient standby security equipments and** spares of essential kits or parts of the EQUIPMENT all the time, as may be required to keep the downtime minimal. The VENDOR, if he chooses, may install his own standby system of identical specification/ make, if such systems are acceptable to the Bank.
- e) In case of services rendered by the VENDOR is not satisfactory, the Bank will forfeit the Security money deposit. Vendor will be de-empanelled in the Bank for next 03 years. His work will be allotted to the other empaneled vendor.
- f) The contact details of service centre, technicians and Manager i.e. telephone numbers, Mobile No., Fax No., E-Mail id, or service focal point(s) to be provided to the Security Officer, Chief Manager (GB/Admin) of AO/ RBO/ concerned branch manager. In case, there is any change, updated list should be submitted to the Bank immediately.

29.16.1 **Note:** In case the security/ fire safety equipment requires major repairs, the vendor shall provide a replacement before taking the defective equipment for repairs so that the branch remains under CCTV cover all the time under advise to Branch Manager /Security Officer of the concerned branch/ Module/CM (GB) of RBO/AO.

29.17 **AMC VISIT REPORTS:** Will have to provide 04 mandatory branch visits and 02 on-call free visits and thereafter, in case of any Emergency Calls/ visits for taking out CCTV footage, the respective branch will pay to the Vendor representatives an amount, as decided by the Bank.

29.17.1 AMC Vendor shall prepare four copies of the visit report (as per Annexure-1) and each report will be counter signed by the Branch Manager. One copy will be handed over to the Branch Manager

29.17.2 Second copy to be retained by the vendor.

29.17.3 Third copy to be sent to the Security Officer at respective Administrative/ Regional Office.

29.17.4 Fourth copy shall be sent to the Circle Security Department.

29.17.5 Necessary entries along with dates should be made in the Security information register, and duly signed by the representative of the vendor and the Branch Manager.

29.18 **SECURITY:**

29.18.1 All the employees of the Vendor/OEM must always carry/display their identity cards for authentication without which they will not be allowed entry in the Bank.

29.18.2 VENDOR agrees that he and his personnel will at all times comply with all security regulations in effect from time to time at the Bank's premises and externally for materials belonging to the Bank.

29.18.3 A complain number shall be generated for all complaints received from the Bank by the Vendor for future references.

29.18.4 The vendor will submit the list of his technicians who will visit the branch for service support to the concerned security officer, Chief Manager (GB/Admin) AO/ RBO. Whenever there is changes in the names of the technician, the vendor will submit the fresh list to them.

29.19 **FUTURE ADDITIONS OF HARDWARE / SOFTWARE:** The Bank would have the right to:

29.19.1 Shift supplied systems to an alternative site of its choice.

29.19.2 Disconnect / connect / substitute peripherals. or devices or any equipment / software acquired from another vendor.

29.19.3 Expand the capacity / enhance the features / upgrade the hardware / software supplied, either from the vendor, or another vendor, or developed in-house.

provided such changes or attachments do not prevent proper maintenance, from being performed or unreasonably increase the VENDOR cost of performing repair and maintenance service.

29.20 The warranty terms would not be considered as violated if any of (a), (b) or (c) above takes place. Should there be a fault in the operations of the system, the vendor, would not unreasonably assume that the causes lie with that components / software not acquired from them.

**29.21 SUBCONTRACTING:**

29.21.1 The Vendor shall not assign or sub contract, in whole or in part, its obligations to perform under the Contract, except with the Bank's prior written consent.

29.21.2 The VENDOR will not subcontract or permit anyone other than The VENDOR's qualified personnel to perform any of the work, services or other performance required or The VENDOR under this agreement without the prior written consent of the bank. However, such restriction is not applicable for service/repairs/maintenance is being provided by the authorized representative of original Equipment Manufacturer, subject to proper authorization by the VENDOR, in his presence.

**29.22. CONFIDENTIALITY:**

29.21.1 The VENDOR acknowledges that all material and information which has and will come into its possession or knowledge in connection with this agreement or the performance thereof, whether consisting of confidential and proprietary data or not, whose disclosure to or use by third parties may be damaging or cause loss to Bank will all times be held by it in strictest confidence and it shall not make use thereof other than for the performance of this agreement and to release it only to employees requiring such information, and not to release or disclose it to any other party. The VENDOR agrees to take appropriate action with respect to its employees to ensure that the obligations of non-use and non-disclosure of confidential information under this agreement are fully satisfied. In the event of any loss to the Bank in divulging the information by the employees of the VENDOR, the bank shall be indemnified. The VENDOR agrees to maintain the confidentiality of the Bank's information after the termination of the agreement also.

29.21.2 The VENDOR / Bank will treat as confidential all data and information about the VENDOR / Bank / Contract, obtained in the execution of this tender including any business, technical or financial information, in strict confidence and will not reveal such

information to any other party.

29.22. **TRAINING: USER MAINTENANCE:** It is important that the user is aware of the importance of the Security System and its operations. The AMC Vendor shall offer in-depth training to the branch staff on the offered solution according to the following:

29.22.2 Provide hands on training to the branch staff

29.22.2 Train bank staff on operations of the system including special features, data retrieval, troubleshooting & routine maintenance of security system.

29.22.3 The training shall be conducted by the vendor within the branch / office premises.

29.22.4 Educate the staff about the reporting channels of faults, as soon as possible after they are discovered, and that details are entered in a fault reporting book.

29.23 **PAYMENT TERMS FOR NEW INSTALLATIONS:**

29.23.1 Payment shall be made in Indian Rupees.

(a) 90% of the total amount on installation, commissioning and hand over of the new equipment to the Bank.

(b) Balance 10% after the expiry of defect liability period of one year.

(c) Payments will not be released for any part-shipment or short-shipments.

**Note: No advance shall be paid at the time of placing the work order**

29.23.2. **PAYMENT SCHEDULE FOR ANNUAL MAINTENANCE CONTRACT:**

**Payment of AMC charges will be made by the respective RBO after submission of visits reports as mentioned in Para 29.17.**

a) There will be quarterly visits for the AMC. 50% of the AMC amount shall be payable after first visit and remaining 50% after the last visit, **subject to** satisfactory completion of maintenance work.

b) Missing of one quarterly AMC visit schedule, a penalty equal to the double of the quarterly AMC visit charge will be imposed on the vendor. The same will be deducted from the AMC bill amount of the vendor or from the Security Deposit money.

c) Repetition of missing of quarterly AMC visit will result in de-empanelment of the vendor for minimum period of three years and the work will be allotted to the other empaneled vendor.

29.24 **PERIOD OF EMPANELMENT AND PERFORMANCE REVIEW OF THE VENDORS:**

29.24.1 The Vendor empanelment **in the Bank will be for the period of 03 year.** The validity of empanelment may further extend on the existing terms and conditions for another one year, provided that the vendor performance should be found

**satisfactory during the contract period.** It is to note that after the completion of a year if the vendor does not get de-empanelment notice from the Bank it will constitute that the vendor empanelment continues in the Bank for another one year.

29.24.2 If empaneled vendor will not participate in reverse auction or commercial bid subsequently or in future within contract period, then the empanelment of the vendor will be cancelled and the security money deposited will be forfeited.

**29.24.3** Those vendors whose performance is founded unsatisfactory will be removed from the empanelment list of the Bank for three years and penalty will be imposed as deemed fit by the Bank.

#### **29.25 PRICES:**

29.25.1 The quotation must be complete in itself, properly worked out to cover all THE VENDOR'S obligations under the contract and all matters and things necessary for the proper completion of the work, and the rates quoted therein must be correct and sufficient to cover THE VENDOR'S costs, overheads and profits etc.

29.25.2 Price will be inclusive of insurance against loss or damage by fire, theft or other usual risks during transit, and till the work is complete at site and handed over to SBI at site in all respects according to the true meaning and intent of the contract.

29.25.3 All the employee of the Vendor who will visit branches/offices etc will have also be covered in insurance and in case of any eventuality bank will not be held liable for payment towards their insurance.

29.25.4 Prices payable to the Vendor as stated in the Contract shall be firm and not subject to change for the one year from the entry into the Contract or till such time rates are reviewed by the Bank.

29.25.5 The Vendor will pass on to the Bank, all fiscal benefits arising out of reductions, if any, in Government (Central/ State) taxes, etc. or the benefit of discounts if any announced in respect of the cost of the items for which orders have been placed during that period.

29.25.6 The Bank reserves the right to re-negotiate the prices in the event of change in the international market prices of both the hardware and software.

29.25.7 Bank may constitute a committee for assessing the price of the equipment during the term of the contract and if there is drastic reduction in the rate of any equipment or its accessories, the benefit of it to be passed to the bank.

29.25.8 The price will be reviewed every year through the bidding process (Online/

Offline) and all the empaneled vendors to compulsory participated in it. If empanelled vendor does not participate in reverse auction or commercial bid, then the empanelment of the vendor will be cancelled. He will not be allowed to participate in any tender process of the Security equipment for three years.

**29.26 Contract Amendments:** No variation in or modification of the terms of the Contract shall be made, except by written amendment, signed by the parties.

**29.27 DELAYS IN THE VENDOR'S PERFORMANCE:**

29.27.1 Delivery, installation, commissioning of the Products/Solution and performance of Services shall be made by the Vendor within the timelines prescribed.

29.27.2 If at any time during performance of the Contract, the Vendor encounter conditions impending timely delivery of the Products and performance of Services, the Vendor shall promptly notify the Bank in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Vendor's notice, the Bank shall evaluate the situation and may, at its discretion, extend the Vendors' time for performance, with or without liquidated damages, in which case, the extension shall be ratified by the parties by amendment of the Contract.

29.27.3 Except as provided in the above clause, a delay by the Vendor in the performance of its delivery obligations shall render the Vendor liable to the imposition of liquidated damages, unless an extension of time is agreed upon without the application of liquidated damages.

**29.28 VENDOR'S OBLIGATIONS**

29.28.1 The Vendor is responsible for and obliged to conduct all contracted activities in accordance with the contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the Contract.

29.28.2 The vendor will be responsible for arranging and procuring all relevant permissions / Road Permits etc. for transportation of the equipment to the location where installation is to be done. The Bank would only provide necessary letters for enabling procurement of the same.

29.28.3 The Vendor is obliged to work closely with the Bank's staff, act within its own authority and abide by directives issued by the Bank and implementation activities.

29.28.4 The Vendor will abide by the job safety measures prevalent in India including the insurance coverage of its staff and will free the Bank from all demands or responsibilities arising from accidents or loss of life, the cause of which is the Vendor's

negligence/ or during performance of any work in the Bank. The Vendor will pay all indemnities arising from such incidents and will not hold the Bank responsible or obligated.

29.28.5 The Vendor shall issue Photo-Identify Cards to all its employees who would be deployed for the survey / installation / maintenance or any other job for the system. The Photo-Identify Cards shall be signed by the employee concerned, the authorized signatory of Vendor, Photo copy of such Photo-Identify Cards to be deposited with the Circle Security Department. The Vendor is responsible for managing the activities of its personnel or sub-contracted personnel and will hold itself responsible for any misdemeanors.

29.28.6 The Vendor will treat as confidential all data and information about the Bank, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Bank.

29.29 **Right to use defective product:** If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the product is found to be unsatisfactory, the Bank shall have the right to continue to operate or use such product until rectification of defects, errors or omissions by partial or complete replacement is made without interfering with the Bank's operation.

29.30 **SECURITY DEPOSIT:**

29.30.1 An EMD amount as per Para 2.1 (Column-7) for each of the security/ fire safety equipment, Vendor wish to get empaneled shall be deposited in the form of a Demand Draft in favour of the "AGM (P&E), SBI LHO, Mumbai", payable at Mumbai along with signed RFP document for participating in the tender process.

29.30.2 In case the shortlisted vendor backs out and refuses to work, the EMD/Security money deposit shall be forfeited and the vendor will be debarred for 03 years from taking part in the future security equipment tenders floated by the bank for its Mumbai circle branches.

29.31 **TERMINATION FOR DEFAULT:**

29.31.1 The Bank, without prejudice to any other remedy for breach of Contract, by a written notice sent to the Vendor, may terminate the Contract in whole or in part:

- a) If the Vendor fails to deliver any or all of the services within the period(s) specified in the Contract, or within any extension thereof granted by the Bank; or
- b) If the vendor fails to perform any other obligation(s) under the contract; or

- c) Laxity in adherence to standards laid down by the Bank; or
- d) Discrepancies/deviations in the agreed processes or
- e) Violations of terms and conditions stipulated in this RFP.

29.31.2 In the event the Bank terminates the Contract in whole or in part for the breaches attributable to the Vendor, the Bank may procure, upon such terms and in such manner as it deems appropriate services similar to those undelivered, and the Vendor shall be liable to the Bank for any increase in cost for such similar services. However, the Vendor shall continue performance of the Contract to the extent not terminated.

29.31.3 If the contract is terminated under any termination clause, the vendor shall handover all documents/ executable/ Bank's data or any other relevant information to the Bank in timely manner and in proper format as per scope of this RFP and shall also support the orderly transition to another vendor or to the Bank.

29.31.4 During the transition, the Vendor shall also support the Bank on technical queries/support on process implementation.

29.31.5 The Bank's right to terminate the Contract will be in addition to the penalties / liquidated damages and other actions as deemed fit.

29.31.6 In the event of failure of the Vendor to render the Services or in the event of termination of agreement or expiry of term or otherwise, without prejudice to any other right, the Bank at its sole discretion may make alternate arrangement for getting the Services contracted with another vendor. In such case, the Bank shall give prior notice to the existing Vendor. The existing Vendor shall continue to provide services as per the terms of contract until a 'New Vendor' completely takes over the work. During the transition phase, the existing Vendor shall render all reasonable assistance to the new Vendor within such period prescribed by the Bank, at no extra cost to the Bank, for ensuring smooth switch over and continuity of services."

#### 29.32 **FORCE MAJEURE:**

29.32.1 Notwithstanding the provisions of TCC, the Vendor shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that the delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

29.32.2 For purposes of this clause, "Force Majeure" means an event beyond the



control of the Vendor and not involving the Vendor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Bank in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

29.32.3 If a Force Majeure situation arises, the Vendor shall promptly notify the Bank in writing of such condition and the cause thereof. Unless otherwise directed by the Bank in writing, the Vendor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

29.32.4 **Termination for Insolvency:** The Bank may, at any time, terminate the Contract by giving written notice to the Vendor if the Vendor becomes Bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Bank.

29.32.5 **Termination for Convenience:** The Bank, by written notice sent to the Vendor, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Bank's convenience, the extent to which performance of the Vendor under the Contract is terminated, and the date upon which such termination becomes effective.

### **29.33 RESOLUTION OF DISPUTES:**

29.33.1 All disputes or differences whatsoever arising between the parties out of or in connection with this contract or in discharge of any obligation arising out of the Contract (whether during the progress of work or after completion of such work and whether before or after the termination of this contract, abandonment or breach of this contract), shall be settled amicably. If however, the parties are not able to solve them amicably, either party (SBI or Vendor), give written notice to other party clearly setting out there in specific dispute(s) and/or difference(s) and shall be referred to a sole arbitrator mutually agreed upon, and the award made in pursuance thereof shall be binding on the parties. In the absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrator; one to be nominated by each party and the said arbitrators shall nominate a presiding arbitrator, before commencing the arbitration proceedings. The arbitration shall be settled in accordance with the applicable Indian Laws. Any appeal will be subject to the exclusive jurisdiction of courts at Mumbai.

29.33.2 The Vendor shall continue work under the Contract during the arbitration proceedings unless otherwise directed by the Bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. Arbitration proceeding shall be held at Mumbai, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English.

29.34. **JURISDICTION:**

29.34.1 **Applicable Law:** The Contract shall be interpreted in accordance with the laws of the Union of India and shall be subject to the exclusive jurisdiction of courts at Mumbai.

29.34.2 All dispute arising out of or connected with this contract shall be instituted in the Court of competent jurisdiction situated in Mumbai.

**29.35 Saving clause:** No suits, prosecution or any legal proceedings shall lie against the State Bank of India or any employee of the Bank for anything that is done in good faith or intended to be done in pursuance of this agreement.

29.36 **Governing Language:** The governing language shall be English.

**29.36 ADDRESSES FOR NOTICES:** The following shall be the address of the Bank.

**Bank's address for notice purposes:**

**CIRCLE SECURITY OFFICER  
STATE BANK OF INDIA,  
CIRCLE SECURITY DEPARTMENT,  
LOCAL HEAD OFFICE, "SYNERGY",  
C-6, G BLOCK,  
BANDRA KURLA COMPLEX,  
MUMBAI-400051**

**Vendor's address for notice purposes**

<To be filled in by the Vendor>

29.36.1 A notice shall be effective when delivered or on effective date of the notice whichever is later.

**29.37 TAXES AND DUTIES**

29.37.1 The Vendor will be entirely responsible for all applicable taxes of Central / State Government license fees, **road permits** etc. in connection with delivery of products at site including incidental services and commissioning.

29.37.2 Payment of GST as applicable will be paid extra by the Bank.

29.37.3 Income / Corporate Taxes: The Vendor shall be liable to pay all corporate taxes and income tax that shall be levied according to the laws and regulations applicable from time to time in India and the price bid by the Vendor shall include all such taxes in the contract price.

29.37.4 Tax deduction at Source: Wherever the laws and regulations require deduction of such taxes at the source of payment, the Bank shall affect such deductions from the payment due to the Vendor. The remittance of amounts so deducted and issuance of certificate for such deductions shall be made by the Bank as per the laws and regulations in force. Nothing in the Contract shall relieve the Vendor from his responsibility to pay any tax that may be levied in India on income and profits made by the Vendor in respect of this contract.

29.37.5 The Vendor shall make his own arrangement for the engagement of all labour and shall be responsible for regulating their service and work conditions in conformity with all Acts, Regulations, Rules or Order of Competent Authority under relevant laws in force during the Warranty period. Vendor shall indemnify the Bank from all claims relating to Workers/Staff/Sub-Vendor's Salaries, Wages, Overtime, Leave, Provident Fund, ESI, Medical Facilities, Gratuity, Bonds or any other claim as applicable and stipulated in any Statutory provisions, rules or order of Competent Authority.

#### **29.38 LIABILITY AND INDEMNITIES:**

**29.38.1** VENDOR represents and warrants that the supply repair and maintenance service to be provided do not violate or infringe upon any patent, copyright, trade secret, or other proprietary right of any other person or other entity. VENDOR agrees that it will, and hereby does, indemnify the Bank from any claim, damages, loss, penalty etc., directly or indirectly resulting from or arising out of any breach or claimed breach of this warranty.

**30.38.1** Vendor agrees and hereby keeps the Bank indemnified against all claims, actions, loss, damages, reputation loss, costs, expenses, charges, including legal expenses (Attorney, Advocates fees included) which the Bank may suffer or incur on account of any deficiency in Services rendered by the Vendor or breach of any obligations mentioned in clauses hereinabove, including without limitation, breach of confidentiality obligations or any acts of commission / omission on the part of employees, agents, representatives or Sub-Contractors of the Vendor. The Vendor agrees to make good the loss suffered by the Bank on first demand made by the Bank

in this regard which shall be final conclusive and binding on the Vendor.

**31.38.1** Vendor further undertakes to promptly notify the Bank in writing any breach of obligation of the Agreement by its employees or representatives including confidentiality obligation and in such an event, the Bank will in addition to and without prejudice to any other available remedies be entitled to immediate equitable relief in a Court of competent jurisdiction to protect its interest including injunctive relief.

**32.38.1** The Vendor shall indemnify and keep fully and effectively indemnified the Bank against any fine or penalty levied on the Bank for improper payment of tax for the reasons attributable to the Vendor .

**33.38.1** The Vendor hereby undertakes the responsibility to take all possible measures, at no additional cost, to avoid or rectify any issues which thereby results in non-performance of software/ hardware/ deliverables within reasonable time. The Bank shall report as far as possible all material defects to the Vendor without undue delay. The Vendor also undertakes to co-operate with other service providers thereby ensuring expected performance covered under scope of work.

**34.38.1** Nothing contained in this Agreement shall impair the Bank's right to claim damages without any limitation for an amount equal to the loss suffered for non-performance of software/ hardware / any other system.

### **35.1 FRAUD AND CORRUPT PRACTICES**

**35.1.1** The Bidder and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the bidding Process. Notwithstanding anything to the contrary contained herein, the Bank shall reject an Application without being liable in any manner whatsoever to the Bidder if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt/fraudulent/coercive/undesirable or restrictive practices in the bidding Process.

**35.1.2** Without prejudice to the rights of the Bank, if a Bidder is found by the Bank to have directly or indirectly or through an agent, engaged or indulged in any corrupt/fraudulent/coercive/undesirable or restrictive practices during the bidding Process, such Bidder shall not be eligible to participate in any RFP issued by the Bank during a period of 3 (three) years from the date if such Bidder is found by the Bank to have directly or indirectly or through an agent, engaged or indulged in any corrupt/ fraudulent/ coercive/ undesirable or restrictive practices, as the case may be.

**35.1.3** For the purposes of this Clause, the following terms shall have the meaning hereinafter, respectively assigned to them:

(a) “corrupt practice” means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the bidding Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the Bank who is or has been associated in any manner, directly or indirectly with the bidding Process or the Letter of Authority or has dealt with matters concerning the Concession Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Bank, shall be deemed to constitute influencing the actions of a person connected with the bidding Process); or (ii) engaging in any manner whatsoever, whether during the bidding Process or after the issue of the Letter of Authority or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the Letter of Authority or the Agreement, who at any time has been or is a legal, financial or technical adviser of the Bank in relation to any matter concerning the Project;

(b) “Fraudulent practice” means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the bidding Process

(c) “Coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any person or property to influence any person’s participation or action in the bidding Process;

(d) “Undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by the Bank with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the bidding Process; or (ii) having a Conflict of Interest; and

(e) “Restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the bidding Process.

## OFFER COVERING LETTER

### Appendix-1 (A)

Ref Para 2.1

**CIRCLE SECURITY OFFICER  
STATE BANK OF INDIA,  
CIRCLE SECURITY DEPARTMENT,  
3<sup>RD</sup> FLOOR, C-6, "G" BLOCK  
LOCAL HEAD OFFICE, "SYNERGY",  
BANDRA KURLA COMPLEX,  
MUMBAI-400051**

Dear Sir/ Madam

**REF: YOUR REQUEST FOR PROPOSAL (RFP) DATED ..... FOR EMPANELMENT  
OF VENDORS FOR SUPPLY, INSTALLATION, COMMISSIONING, TESTING &  
MAINTENANCE OF SECURITY AND FIRE SAFETY EQUIPMENTS AND FIRE  
AUDITORS / FIRE AUDIT CONSULTING FIRMS FOR MAHARASHTRA & GOA AREA**

We have examined the RFP, the receipt of which is duly acknowledged and we offer to our bid for Empanelment Of Vendors For Supply, Installation, Commissioning, Testing & Maintenance Of Security And Fire Safety Equipment's And Fire Auditors / Fire Audit Consulting Firms For Maharashtra & Goa Area as per the terms, conditions and technical specifications spelt out, and in accordance with the schedule of prices indicated in the commercial bid and made part of this offer.

2. While submitting this bid, we certify that:

- (a) Prices in its bid have been arrived at, without agreement with any other bidder of this RFP for the purpose of restricting competition.
- (b) The prices in the bid have not been disclosed and will not be disclosed to any other bidder of this RFP.
- (c) We have not induced nor attempted to induce any other bidder to submit or not submit a bid for restricting competition.
- (d) We have not added/deleted/modified the contents/text of the document or any part of the bid document and if bank observes any modification/alteration/addition/deletion is made, bank has right to reject the bid without assigning any reason.

3. We agree to abide by this offer till 180 days from the last date stipulated by the Bank for submission of bid, and our offer shall remain binding upon us and may be accepted by the bank any time before the expiry of that period.

4. We agree that in the event of our Company being selected for providing services with SBI Bank as service provider, we will enter into and execute the necessary contract agreement as per the format specified by SBI Bank. We understand and agree that until a formal contract is prepared and executed, this offer, together with the Bank's written acceptance thereof and the Bank's notification of award shall constitute a binding contract between us.

5. We understand that the Bank is not bound to accept the lowest or any bid that may be received.

6. We also certify that we have not been blacklisted or included on negative list or have been terminated of their services of any PSU / Bank / Corporate Body / Government Body. Further, we have not abandoned any work or rescinded any part of our contract. We also certify that none of the directors of our Company is/has been a director/Partner/Promoter/Key Managerial Person in a Company/firm/entity which is/has been black listed or included in negative list by any PSU/Bank/Corporate Body/Government Body.

7. We also certify that we are not involved in any litigations/ material litigations with any client/own employee/Directors etc. or any Vigilance cases, whose outcome could have a materially adverse impact on our business/finance.

8. We also certify that no litigation/prosecution is pending against us or our directors involving violation of statutory regulations or alleging criminal offence or tax liabilities.

9. We certify that the information/data/particulars furnished in our Proposal are factually correct. We also accept that in the event of any information/data/particulars proving to be incorrect, Bank will have the right to disqualify us from the bid.

10. We undertake to comply with the terms and conditions of the RFP. We enclose along with our Proposal a **duly signed hard copy of the RFP document**. We understand that the Bank may reject any or all of the offers without assigning any reason whatsoever.

11. It is certified that the information furnished here in and as per the documents submitted is true and accurate and nothing has been concealed or tampered with. We have gone through all the conditions of bid and are liable to any punitive action for furnishing false/misleading/incorrect information/ documents.

12. We have understood that the engagement of the selected Vendors shall be for \_\_\_\_\_ years, however, the Bank may, at its discretion, terminate the engagement any time during the currency of the contract for violation of any of the terms and conditions by Vendors or otherwise.

Yours faithfully,

Authorized Signatory

(Name and Designation)

For and on behalf of \_\_\_\_\_

Note: A copy of the Board Resolution authorizing the signatory to represent the Company to be enclosed.

No.

Date:

To:

**Circle Security Officer,  
State Bank of India,  
Circle Security Department,  
3rd Floor, Local head Office,  
“Synergy” Plot No. C-6, “G” Block,  
BandraKurla Complex,  
Mumbai - 400051**

Dear Sir,

**SUBJECT: MANUFACTURERS'/PRODUCERS' AUTHORIZATION FORM**

We \_\_\_\_\_ registered office at \_\_\_\_\_ having joint venture / authorized dealer etc. with \_\_\_\_\_, who are established and leading manufacturer of Digital Video Surveillance products, do hereby authorize M/s \_\_\_\_\_ having \_\_\_\_\_ their \_\_\_\_\_ registered office at \_\_\_\_\_ to submit quote, negotiate, supply, install and provide after sales support for our range of under mentioned products quoted by them to meet the above mentioned tender:-

S.No	Product	Company	Model No	Remarks

2. We also confirm that the above products meet the Technical specifications/ features as per the RFP.

3. We as OEM are responsible that the System Integrator uses genuine products. We will conduct Audit of the products being installed by the System Integrator, as and when required by the Bank without any extra cost, as a service support to the Bank.

4. We hereby confirm to extend our back to back technical support and meet warranty terms of \_\_\_\_\_ years. Also, we as an OEM assure that the quoted models are not end of life and necessary spares would be provided at cost to bidder for period of **five years**, as per OEM standards for this tender/project.

5. We duly authorise the said vendor to act on our behalf in fulfilling all installations, Technical support and maintenance obligations required by the contract.

Thanking you,

Yours faithfully,



## Authorised Signatories

(Name & Designation, seal of the OEM)  
Contact No. E-Mail Address

*Note: This letter of authority should be on the original letterhead of the manufacturer /OEM and should be signed by a person competent and having the power of attorney to bind the manufacturer. The Vendor in its Bid should include it.*

(To be furnished on Vendor's letter head)

To:

**Circle Security Officer,  
State Bank of India,  
Circle Security Department,  
3rd Floor, Local head Office,  
“Synergy” Plot No. C-6, “G” Block,  
BandraKurla Complex,  
Mumbai - 400051**

Dear Sir,

**PRICE BID PROPOSAL**

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, submit our Price Bid for supply, installation, testing, commissioning & AMC of the \_\_\_\_\_ security and fire safety System in conformity with the said Bidding documents as under

Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) (Total Proposal amount in words and figures). All inclusive excluding taxes for Appendix-5

The price-break up as per Appendix related to the security / Fire equipment is enclosed

2. While submitting this bid, we certify that:

- a. The undersigned is authorized to sign on behalf of the VENDOR and the necessary support document delegating this authority is enclosed to this letter.
- b. Price bid submitted by us have been arrived at without agreement with any other Vendor of this RFP for the purpose of restricting competition.
- c. The Price bid submitted by us have not been disclosed and will not be disclosed to any other Vendor responding to this RFP.
- d. We have not induced or attempted to induce any other Vendor to submit or not to submit a bid for restricting competition.

3. If our offer is accepted, we undertake to complete the formalities for supply, installation, testing and commissioning of the equipment within a period **of 15 days** from date of Work Order.

**4. We agree to abide by the Bid and the rates quoted therein for the orders**

**awarded by the Bank up to the period prescribed in the Bid, which shall remain binding upon us.**

5. Until a formal contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

6. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

7. **We also certify that the information /data/particulars furnished in our bids are factually correct. We also accept that in event of any information/ data/particulars proven to be incorrect the Bank will have the right to disqualify us from the bid and in event of any details submitted turned out to be false during the tenure of AMC the Bank is at discretion to forfeit the EMD/ Security money deposit towards performance security and terminate the AMC.**

8. We understand that you are not bound to accept the lowest or any Bid you may receive and you may reject all or any bid without assigning any reason or giving any explanation whatsoever

Dated this ..... day of ..... 2018

(Signature)

(Name)

(In the capacity of)

Duly authorized to sign Bid for and on behalf of

(To be furnished on Vendor's letter head)

Date: \_\_\_\_\_

To:

**Circle Security Officer,  
State Bank of India,  
Circle Security Department,  
3rd Floor, Local Head Office,  
“Synergy” Plot No. C-6, “G” Block,  
BandraKurla Complex,  
Mumbai - 400051**

Dear Sir,

**APPLICATION FOR EMPANELMENT FOR: NAME OF EQUIPMENT**

With reference to your advertisement dated \_\_\_\_\_ for the captioned work, we enclose herewith for your kind consideration our Company profile in the format provided by you in the **Appendix- 1** along with necessary supporting papers signed and sealed by the authorized signatory of the firm. We confirm that the details furnished by us are true and correct.

2. We undertake to produce the original of all the papers/ documents attached herewith as and when asked for by the Bank and shall extend all assistance to the Bank Authorities for the purpose of empanelment.

3. We hereby undertake and agree to abide by all the terms and conditions stipulated by the Bank in the REQUEST FOR PROPOSAL (RFP) including all annexure to new supply, installation and commissioning, certification and AMC of existing security equipments in the State Bank of India branches/ offices in the State of Maharashtra and Goa.

4. In case of our empanelment, we shall participate and submit the commercial bid (Offline/ online) on the date advised to us. We shall also abide by the Business Rules prescribed for auction. We also confirm that our company will arrange for **digital signature** for participating in the reverse auction.

5. We clearly understand and undertake that mere submission of application does not guarantee for our empanelment and Bank's decision in this regard will be final and binding on us. We submit this application in token of our acceptance of the terms & conditions laid down in this advertisement.

Dated this ..... day of ..... 201

(Signature)

(Name)

(In the capacity of)

Seal

Duly authorized to sign Bid for and on behalf of

**DETAILS OF MANUFACTURERS/ FIRMS/ COMPANIES/ DEALERS/ VENDORS**

SR. NO	SUBJECT	DETAILS
1	Name of the Manufacturer/ Firm/ Company/ Dealer/ Vendor with Year of Establishment	
2	Address of Corporate Head Office	
3	Name(s) and Addresses of: Sub Offices / Dealers/Distributors located in Mumbai, Pune, Nagpur, Aurangabad. Nasik and Goa	
4	Communication details	(a) Landline Tele No(s)with STD codes: _____ (b) Mobile No(s). : _____ (c) Fax No(s) : _____ (d) e-mail ID : _____
5	Constitution of the Manufacturer/ Firm/ Company/ Dealer/ Vendor	Partnership/Proprietorship/PvtLtd Company / Public Ltd. Co.
6	Names of Partner's/ Associate's/Proprietor's Authorized signatory(s)	
7	Bio-data of Partners/Associates With Address &Tele/Mob/email IDs (Details to be given in separate enclosure)	Enclosed :Yes/No
8	Details &Qualification of trained Engineers/technicians (attach separate sheet if required)	(a) No of Engineers : _____ (b) Average Qualification: _____ (c) No of Technicians: _____ (d) Average Qualification: _____

9	Details of Workshop(s) in Mumbai (All Dists), Pune, Nagpur, Aurangabad, Nasik and Goa with Complete Addresses	
10	Various latest Registration Nos/ Certificates (Latest attested copies to be enclosed)	<div>(a) ST No:_____</div> <div>(b) ESI No. : _____</div> <div>(c) EPF No. : _____</div>
11	Bank Details (Latest Solvency certificate worth Rs <b>Ten Lakhs</b> to be enclosed)	<div>Account No : _____</div> <div>Name of Bank : _____</div> <div>Branch Address : _____</div> <div>Tele No's (With STD Code) : _____</div> <div>Mobile Nos : _____</div> <div>Fax : _____</div> <div>Email ids : _____</div>
12	Details of relative(s) employed in S.B.I., if any.	<div>Name : _____</div> <div>Relation : _____</div> <div>Branch/Office : _____</div> <div>Address : _____</div> <div>_____</div> <div>Tele &amp; Mobile No: _____</div>
13	Copy of PAN Card	Enclosed :Yes/No

14	Annual Turnover of last THREEyrs. (Please enclose copies of Balance Sheet and Turnover Certificate along with Auditor's Note)	(Rs. in Lakhs)	As at close of business as on		
			31.03.2016	31.03.2017	31.03.2018
		Turnover / Sales			
		Other Income			
		Profit before Tax			
		Profit after Tax			
		Capital & Reserves			
15	Copies of ITR for last three years (As per Para 14)				
16	List of Clients	( As per attached format- Annexure-A1)			
17	Work Experience (Proof of work order as well as completion certificate to be attached)	( As per attached format- Annexure-A2)			
18	List of documents enclosed (self-certified copies)	<div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div>			

(Authorized Signatory)

(Seal of Manufacturers/ Firms/ Companies/ Dealers/ Vendors)

Date:

Place:

**LIST OF CLIENTS**

S.No	Client's Name and Address	Contact Person name and mobile number/ LL	Year Of work	Whether still doing AMC of Security System



**WORK EXPERIENCE**

S.No	Client's Name & Address	Work Order No. and date	Order Value	Date of Completion	Product Branch	Remarks

**FORMAT FOR EMD**

(To be furnished on Vendor's letter head)

To:

**Circle Security Officer,  
State Bank of India,  
Circle Security Department,  
3rd Floor, Local head Office,  
"Synergy" Plot No. C-6, "G" Block,  
BandraKurla Complex,  
Mumbai - 400051**

Dear Sir,

**EMD FOR PARTICIPATION IN TENDERING PROCESS FOREMPANELMENT OF  
VENDORS FOR SUPPLY, INSTALLATION, COMMISSIONING, TESTING,  
CERTIFICATION AND MAINTENANCE OF \_\_\_\_\_ SECURITY AND FIRE SAFETY  
SYSTEM IN STATE BANK OF INDIA , MUMBAI CIRCLE**

With reference to the captioned subject, we intent to participate in the tender process for empanelment of vendors for supply, installation, commissioning, testing, certification and maintenance of \_\_\_\_\_ security/ firer safety system in the branches/ offices/ ATMs in state bank of India, Mumbai Circle spread over in the state of Maharashtra and Goa.

2. As per the terms and conditions of RFP, we submit draft No. \_\_\_\_\_ dated \_\_\_\_\_ for a sum of Rs. \_\_\_\_\_/- (Rupees \_\_\_\_\_ Only) as EMD.

3. We undertake that in the event of not performing the obligations as per the terms and conditions of the RFP or have committed a breach thereof, which conclusion shall be binding on us, the EMD will be forfeited.

Yours faithfully,

For and on behalf of

\_\_\_\_\_  
Authorized Official.

Seal  
Date:

(To be furnished on Vendor's letter head)

**Appendix-5**  
Ref Para 16.2

Letter No:

Date:

**Circle Security Officer,  
State Bank of India,  
Circle Security Department,  
3rd Floor, Local head Office,  
“Synergy” Plot No. C-6, “G” Block,  
BandraKurla Complex,  
Mumbai - 400051**

Dear Sir,

**EMPANELMENT OF VENDORS FOR SUPPLY, INSTALLATION, COMMISSIONING,  
TESTING, CERTIFICATION AND MAINTENANCE OF SECURITY AND FIRE  
SAFETY SYSTEM IN STATE BANK OF INDIA, MUMBAI CIRCLE: ACCEPTANCE OF  
OFFER**

With reference to above, We hereby agree to abide by all terms and conditions laid down in commercial bid document and also agree to the following:

- a) We forward herewith a security money deposit of Rs. .... We also agree to the fact that the Security Deposit (SD) will be held in Current A/c. of SBI and will not carry any interest thereon till the time it is returned to us.
- b) The empanelment will continue, subject to satisfactory performance of the contract.
- c) We also confirm that mere empanelment does not ensure us the right to be invited to participate in all/any bids/ quotations/tenders/ projects and/or to get work.
- d) We also confirm that various certificate/ authority letters as applicable will be renewed in time and renewed copies of the same should be submitted to the Bank for the record.
- e) We also confirm that we will respond to the enquiries by the Bank without fail, as & when sent to us. If we do not respond, our firm will be delisted from Bank's list of empanelment without any further notice.
- f) Whenever any work order will be given to us, it is compulsory to enter/sign the agreement between Bank and us before the commencement of the work. Terms and conditions will be form the part of the contract.
- g) We also certify that the information /data/particulars furnished in our bids are factually correct. We also accept that in event of any information/ data/ particulars proven to be incorrect the Bank will have the right to disqualify and de-empanel us and in event of any details submitted turned out to be false during the tenure of AMC the Bank is at discretion to forfeit the EMD towards performance security and terminate the AMC.

Yours faithfully,  
(Signature of the Vendor)  
Stamp

**DETAILS OF E-PROCUREMENT REVERSE AUCTION AGENCY**

AUCTION TO BE CONDUCTED BY	e-Procurement Technologies. Ltd. (abcprocure.com) B-704/705, Wall Street - II, Opp. Orient Club,Nr. Gujarat College, Mumbai - 380 006 Gujarat India
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**SERVICE LEVEL AGREEMENT (SLA) FOR AMC OF SECURITY EQUIPMENT HARDWARE,  
SOFTWARE & OTHER RELATED SERVICES**

MADE THIS \_\_\_\_\_ the DAY OF \_\_\_\_\_ BY AND BETWEEN STATE BANK OF INDIA, a body corporate constituted under the SBI Act 1955 and having one of its Local Head Office at Mumbai (hereinafter referred to as 'The Bank' which expression shall include its successor and assigns)

AND

M/s. ABC (**Vendor Firm Name**) having its registered Office at **Full address of AMC Vendor** (hereinafter referred to as VENDOR which expression shall include its successors and assigns) represented by Shri....., designation.....

2. WHEREAS the Bank has issued a Request for Proposal (RFP) dated.....inviting proposals from the prospective vendors for supply, installation and maintenance of \_\_\_\_\_ Security / Fire Safety System (Equipment) installed in its branches and offices more fully described in the said RFP & vendor has participated in the above tender process and was selected for supply, installation and maintenance services (Comprehensive AMC) for complete \_\_\_\_\_ Security / Fire Safety System along with its accessories as defined in scope of work. Different makes installed at the branches and offices of the Bank.

WHEREAS the vendor has agreed to provide the supply, installation and maintenance services for \_\_\_\_\_ Security and Fire Safety equipment at different branches/ offices /ATMs / E-lobbies / Recyclers / any other premises of the Bank where \_\_\_\_\_ system has been installed

3. NOW THEREFORE, in consideration of the mutual covenants, undertaking and conditions set forth below and for other valid consideration the acceptability and sufficiency of which are hereby acknowledged the Parties hereby agreed as follows:

**(Terms and Condition at Para 29 of the RFP will be part of the contract)**

## Duration of the Contract

The Contract duration will be of one year i.e from \_\_\_\_\_ to \_\_\_\_\_

IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED THIS AGREEMENT ON THE ABOVE MENTIONED DATE.

Seal of VENDOR affixed in presence of

Shri \_\_\_\_\_

(VENDOR's authorized representative)  
and signed by the duly authorized representative,

Shri \_\_\_\_\_ Designation \_\_\_\_\_.

\_\_\_\_\_.

In the presence, of

(1) Shri \_\_\_\_\_

(2) Shri \_\_\_\_\_

In terms of Board/partnership resolution dated \_\_\_\_\_

The Bank by its representative

Shri \_\_\_\_\_

State Bank of India,

**Note: Depending upon the constitution of the Vendor, necessary changes will be made to properly state such constitution.**

**ELIGIBILITY CRITERIA: CHECK LIST**

<b>LIST OF ENCLOSURES</b>		
<b>S. No.</b>	<b>Particulars</b>	<b>Enclosed Yes/ No</b>
1.	The Manufacturer/ Firm/ Company/ Dealer/ Vendor is in field of supplying, installation & maintenance of security system business for a minimum period of <b>07 years</b> as <b>on 31/10/2018</b>	
2	Company/ Manufacturers/ Firms/ Dealers/Vendors Profile submitted.	
3	In last three years' installation of system done in Government/Semi Government/Nationalized Public Sector Banks/Public Sector undertaking/ Financial Institutions/Corporate Offices	
4	Complete Contact details submitted	
5	Company having required turn over and documents submitted (Balance Sheet and IT Return Copy)	
6	Company having required number and value of work order and its work completion certificate.	
7	Satisfactory Performance Certificate from customer whose work order shown.	
8	Latest Banker's Solvency Certificate (in original) worth <b>Rs. 10 lacs</b> along with Banking details submitted	
9	Technical Specifications/Brochure of the product(s) offered submitted	
10	Submitted EMD and application money	
11	Submitted application money. Please mention Bank, Amount, Draft No. and date	
12	Latest attested copies of GST Registration No, ESI/ EPF Registration No	
13	Copy of PAN Card issued by Income Tax Deptt.)	
14	A valid Direct Authorized Dealer Certificate from ODM / OEM. Back to back support certificate <b>for 05 years</b> .	
15	Directorate of Maharashtra Fire Services "Maharashtra License Agency No. –Copy attached (For AFDS and Fire Hydrant and Sprinkler System)	
16	Copies of ISO Certification, if any	
17	CE and UL/ BIS certificate of the product offered	
18	List of Support offices or Sub offices / dealers submitted. Proof of the office existence for minimum two years before the date of the tender ( For Office in Maharashtra, attach copy of Gumasta Licence)	
19	List of qualified technicians / tradesmen submitted with proof ESIC and PF paid ECR copy for last 01 year)	
20	Company in profit during the last three consecutive years. Support documents submitted	
21	Copy of registration and partnership deed (if applicable) in support of constitution / In case of Limited Company, copy of Power of Attorney for signing the application and the Certification of Incorporation, Memorandum of Articles of Association	

Place: Date: along with Stamp and Signature of Applicant / Authorized Signatory of the Applicant

**Appendix-8**

**TECHNICAL SPECIFICATION OF SECURITY EQUIPMENTS**

**Index**

<b>S. No</b>	<b>Name of Equipment / Work</b>	<b>Technical Specifications</b>	<b>Page Nos</b>
(i)	Security Alarm System	Annexure 'B'	
(ii)	Biometric Access Control System	Annexure "C"	
(iii)	CCTV System	Annexure 'D'	
(iv)	Time Lock	Annexure 'E'	
(v)	Automatic Fire Detection and Alarm System	Annexure 'F'	
(vi)	Fire Extinguishers	Annexure 'G'	
(vii)	Fire Auditors QR	Annexure 'H'	
(x)	BOQ	Annexure 'I'	
(xi)	Specimen of Installation & AMC Certificate	Annexure "J"	



## **SECURITY ALARM SYSTEM**

### **Components of Security Alarm System at all Branches**

- a) Control Panel With Integrated Auto-dialler (PSTN or GSM Based)
- b) In Built Auto DIALLER
- c) Wires
- d) PIR Sensors
- e) Hooters – External and Internal
- f) Magnetic Sensors
- g) Vibration Sensors
- h) Panic Switches

### **2. Technical Specification for Security Alarm System**

**(a) Micro-controller Based Control Panel with inbuilt LCD indication & with integrated Auto-dialler (preferably GSM Based. However, if mobile network is not available, PSTN based)**

- (i) External Body Features –
  - (aa) Protected from dust, water, vermin etc.
  - (ab) Acrylonitrile Butadiene Styrene (ABS)/ 18 SWG M S Cabinet, epoxy Coated
  - (ac) Locking of panel by Allen Head screw on sides / internal lock
  - (ad) Bracket mounted
  - (ae) Provision for battery compartment inside the panel.
- (ii) Micro-controller Based with LCD indication & push button to show the status/health of the system (Data Logger System). The panel should indicate the health of the system (Fault, power failure and battery status indicator).
- (iii) Option to add wireless module having provision for Cordless Switch to activate the alarm system
- (iv) Real Time Clock with accuracy of +/- 15Sec per day.
- (v) In the event of any zone getting faulty or switch getting isolated, it should give indication on the LCD display and the system to remain functional.
- (vi) The system should automatically (arming & disarming) change from day to night mode & Vice-versa as per the real time clock (programmable) and also have option to change manually with existing key pad.
- (vii) Sounding of hooters gets automatically put off after a period of 3 minutes (programmable with the help of key pad) and thereafter the entire system should get reset.

- (viii) The system shall have programmable 0 - 90 Sec time delay to activate the sounding of hooters for panic switches and entry and exit time delay from 0 to 90 sec for PIR.
- (ix) The system should have in-built auto-dialler (PSTN / GSM based).
- (x) System operating on Mains and battery backup (12V 7Ah) with recharging facility.
- (xi) Should support two external hooters besides the internal one.
- (xii) It should be compatible with PIR Sensors, Magnetic Sensors, Vibration Sensors, Light Sensors and have one zone for fire detector (smoke sensor) etc and capable to put on the lights when activated during night mode.
- (xiii) Auto Reset after activation – 03 minutes (Day & Night Mode)
- (xiv) Any wire cut should activate the alarm system for 120 seconds and thereafter the affected switch / zone to get isolated/ bypassed with display / blinking of LCD panel indicating the defect.
- (xv) ON/OFF function of the system should only be with the help of keypad.

**(b) In-build Auto Dialler:**

- (i) It should be compatible with GSM / PSTN connection of any service provider.
- (ii) Provision for storage and dialling minimum five (05) Telephone / mobile numbers with recording message up to 20 Seconds duration.
- (iii) Message should be repeated at least twice before dialling the 2<sup>nd</sup> number. In case number not responded, facility to re-dial the number after completing the cycle.
- (iv) Should have message recording facility at local end (Branch end).
- (v) In-built GSM auto-dialler should have the ability to generate SMS alerts in addition to auto-dialling the pre-fed numbers.
- (vi) Provide signal strength and status indication on display screen.

**(c) Wiring:**

- (i) 2 Core and 4 Core Multi strand .75 sq. mm, flexible, ISI marked (Finolex/ Plaza/ Polycab/ RR Cable or similar quality), PVC insulated copper wire for connection of panic switches and other sensors respectively.
- (ii) Rigid PVC conduit 2 mm ISI mark. Fixed with metal saddling at every 02 ft distance.

**(d) PIR SENSOR :**

- (i) Dual Technology (IR & Microwave)
- (ii) Detection coverage horizontal angle 110 degrees
- (iii) Detection Range: Up to minimum 10 Mtrs
- (iv) Sensitivity range: Low/ Med/ High
- (v) Wall mounting facility.
- (vi) Pet / rodents immunity.
- (vii) Provision for calibration to adapt changes in ambient temperature due to various seasons.

**(e) Hooter:**

- (i) Min 90 dB for internal and 110 dB for External (CE & UL certification).
- (ii) 4 wired with tamper loop (Cutting of hooter wire should trigger other hooter)
- (iii) ABS body
- (iv) Weather Proof
- (v) Wall mounting facility
- (vi) Operates on 12 Volt DC

**(f) Magnetic Sensor:**

- (i) ABS body
- (ii) 4 wired with tamper loop (NC circuit)
- (iii) Operating Gap: 15mm

**(g) Multi-Function Sensor :**

- (i) Capable of vibration detection, metal cutting and glass breaking
- (ii) ABS body
- (iii) Sensitivity range: Low/ Med/ High

**(h) Panic Switches:**

- (i)** Sturdy built
- (ii) Micro Switch Technology
- (iii) In-built tamper Switch

**BIOMETRIC ACCESS CONTROL SYSTEM**

**Technical Features: Biometric Reader**

- (a) Biometric Type: Finger Print with 32bit High End Microprocessor CPU.
- (b) Optical Sensor: 500 DPI
- (c) LCD Display and Optical Sensor: In built
- (d) Recording: IN and OUT time.
- (e) Storage: Up to 1000 fingerprints and 1,00,00 logs of transaction records.
- (f) Identification speed: less than or equal to about 1 sec.
- (g) Enrolment and Registration Time: Less than 3 seconds for finger.
- (h) Provided with a USB port that allows administrator to transfer data.
- (i) Easy data transfer using USB memory stick
- (j) User friendly programming without connection to PC
- (k) Power Requirement: 5V to 12 V DC
- (l) Operating Temperature of 0°C to 45°C
- (m) Operating humidity of 20% to 80%.
- (n) FAR (False Rejection) 0.1 % or less
- (o) FRR (False Acceptance) < 0.001%

**Magnetic Locks: Technical Specification**

- (a) Body: Anti-Rust Surface with Zinc Plating
- (b) Suitable for: Wooden door, Glass door, Alluminium door, Fireproof door, Vault Door
- (c) Holding force: 1200 lbs
- (d) Current drain: 300mA at 12VDC
- (e) Safety mode: Power-on to lock; Power-off to open
- (f) Type: Hanging
- (g) Request-to-open, Auto-relock if no Action
- (h) Relock Time Delay (RTD): Adjustable relock delay from 0.5 to 30 seconds)
- (i) Input voltage: 12VDC / 24 VDC
- (j) Green/red LED indication for lock status
- (k) Accessories: L Bracket, U Bracket, ZL Bracket
- (l) Certifications UL & CE/ FCC.

**CLOSE CIRCUIT TELEVISION SYSTEM****Components of CCTV System**

<b>S.No</b>	<b>Item</b>	<b>List</b>
(a)	DVR/ HD DVR / Mobile DVR	Annx-D1
(b)	<b><u>Camera:</u></b>	
	(i) HD Varifocal Lens IR Dome Camera	Annx-D2
	(ii) 1.3Megapixel IP IR Dome Camera with VF Lens	Annx-D3
	(iii) HIGH RESOLUTION PIN HOLE CAMERA	Annx-D4
	(iv) HD Varifocal Lens IR Bullet Camera	Annx-D5
(c)	Mobile-DVR	Annx-D6
(d)	Analog Camera for Mobile-DVR	Annx-D7
(e)	<b><u>Other Components:</u></b>	Annx-D8
	(i) Hard Disk	
	(ii) Monitor	
	(iii) RJ-6 Cable	
	(iv) Electrical Wire &	
	(v) PVC & Conduit	
	(vi) 6 U Rack	
(f)	4 / 8 / 16 Ch Network Video Recorders (Nvr)	Annx-D9
(g)	HD IP Verifocal Lens Bullet Camera	Annx-D10
(h)	Specifications Poe Switch 05 Channel	Annx-D11
(i)	Specifications Poe Switch 08 Channel	Annx-D12
(j)	Specifications Poe Switch 24 Channel	Annx-D13

**HD DVR FOR 4 / 8 /16 CHANNEL**

<b>S. No</b>	<b>Parameter</b>	<b>Specification</b>	<b>Remark</b>
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS232c and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4/8/16 Video channel; BNC	
6	IP Camera Input	1080P; D1; CIF IP Camera (02 Channel, exclusive of the other HD Channels)	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	Requisition only if Audio support in camera is being asked
9	Recorder Audio Output	4 audio channel, BNC or RCA	Requisition only if Audio support in camera is being asked
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	Requisition only if Audio support in camera is being asked
11	Display Screen Mode	1,4,8,9,16, ALL (Window)	
12	Camera Scheduling	Supported (continuous/ motion/ event based)	
13	On Screen Display	Date, Time, Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.265 plus/ H.265/ H.264/G.711 respectively (One Channel) or higher	
15	Image Resolution	CIF; 2CIF; 4CIF; HD1; D1; 1080P or higher, realtime recording @ 25 fps in all channels with selectable fps	<b>All channel HD</b>

		simultaneously.	
16	Encoding Stream	CIF; 2CIF; 4CIF; HD1; D1; 1080P or higher, realtime recording @ 25 fps in all channels with selectable fps	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	FIFO and auto overwrite facility to be added
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Maximum 2	
23	Relay Output	Supported Maximum 2	
24	Water Marking	Supported	
25	Playback Channel	1,2,4,16	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
27	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
28	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
29	Hard Drive Storage Option	For 4 Channel – 2 SATA , 8 Channel – 4 SATA , 16 Channel – 8 SATA. Should support up to 8 TB per SATA port.	
30	USB Interface	Minimum 2 Ports (one should be 3.0)	
31	Serial Interface	1 RJ45 RS-232 interface; 1 RS-485 interface; 1 RS-485 keyboard interface	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL/FCC & CE & ERTL	
36	HDD quality	Surveillance ( 2 TB / 4 /6 /8 TB)	

**HD VARIFOCAL LENS IR DOME CAMERA**

<b>S.No</b>	<b>Parameters</b>	<b>Specification</b>	<b>Remark</b>
1	HD Technology	AHD, CVI, TVI	
2	Image Sensor	1/3"1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920 x 1080 or higher	
5	Mini. Illumination	0.01Lux@F1.2, AGC ON, 0 Lux with IR	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:720p or higher @25fps	
10	SNR	≥52dB(AGC OFF)	
11	Audio Input	-	If felt necessary, then a audio chip can be connected to the normal camera since inbuilt audio input cameras are quite expensive.
12	Sync System	Internal	
13	White Balance	Automatic	
14	Day & Night	Automatic	
15	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	2D NR	
18	IR Range	≥ 20 mtr	
19	Lens	2.8-12mm (manual)	
20	WDR	120db WDR/ True WDR with OSD	True DWDR is only for the cameras facing the Entry/Exit, Parking or those which are exposed to bright light (substantial increase in cost)



21	Input Voltage	DC12V±10%	
22	IP Rating	IP67 (weather proof) / IK 10 (Vandal Proof)	Not required for cameras inside the branch. Discretion may be used for either or both standards for the cameras to be placed outside the branch for parking etc.
23	Operation Temp	0° to +50° C	
24	Storage Humidity	90% or less	
25	Certification	CE/ FCC and UL	

### **Annexure- 'D3'**

#### **MINIMUM 1.3 MEGAPIXEL IP IR DOME CAMERA WITH VF LENS (IP CAMERA)**

S.No	Feature	Specification
1	Image Sensor	1/3" 2 Megapixel progressive scan CMOS or better
2	Effective Pixels	1920 x 1080 (H)x960(V)) or better
3	Electronic Shutter	Auto/Manual, 1/3(4)~1/10000s
4	Video Frame Rate	25/50 fps @ 1.3 Mega Pixel
5	Scanning System	Progressive
6	Mini. Illumination	0.01Lux/F1.4(Color); 0Lux/F1.4(IR on)
7	S/N Ratio	More than 50dB
8	Min. IR LEDs Length	30m
9	Day/Night	Auto(ICR) / Color / B/W
10	Back Light Compensation	DWDR
11	White Balance	Auto/Manual
12	Focal Length (lens)	2.7~12mm or more
13	Video Compression	H.265 plus/ H.264/ H.264H/ MJPEG
14	Resolution	1.3M(1280x 960)/720P(1280x 720)/D1(704x 576/704x 480)/CIF(352 x 288/352x 240)
15	Frame Rate (Dual Stream)	Main stream (1.3M/720P(1 ~ 25/30fps)) & Sub stream : D1/CIF(1 ~ 25/30fps)
16	Bit Rate	H.265/ H.264H: 40K ~ 8192Kbps; MJPEG: 40K~16384Kbps
17	Network Ethernet	RJ-45 (10/100Base-T)
18	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS,

19	Compatibility	ONVIF, PSIA, CGI
20	Power Supply	DC12V, PoE (802.3af)
21	Working Environment	-30°C~+60°C / Less than 95%RH (no condensation)
22	Ingress Protection	IP66 and IK 10
23	Certification	CE/ FCC and UL
24	Memory Card	Built in MicroSD/ SDHC/ SDXC card slop for min 128 GB

**HIGH RESOLUTION PIN HOLE CAMERA**

<b>Sr No</b>	<b>Feature</b>	<b>Specification</b>	<b>Compliance</b>
1	Image Sensor	1/3" SONY CCD	
2	Effective pixels	PAL:752*582 (or Above)	
3	Resolution	Color-700 TVL 720 TVL	
4	Sync system	Internal	
5	Min. illumination	Colour-0.01Lux B/W 0.001Lux	
6	S/N ratio	52 dB	
7	Electronic shutter	Auto, 1/50 , 1/100,000 sec	
8	Lens	3.7mm Pin Hole (2.8 mm optional)	
9	D-WDR	Off/Indoor/Outdoor	
10	BLC	On/Off	
11	Motion detection	Yes	
12	Gamma	Auto/manual	
13	White balance	Set/ Manual/Indoor/Outdoor/ Auto	
14	AGC	Off/Low/Middle/High	
15	Day & Night	Color/B/W/Auto level adjust	
16	Video output	1.00V p-p Composite Video Output, 75 Ohm	
17	Power supply	DC12V	
18	Power consumption	3 Watts max	
19	Certification	CE/ FCC and UL	

**HD VARIFOCAI IR BULLET CAMERA**

<b>Sr No</b>	<b>Parameters</b>	<b>Specifications</b>	<b>Compliance</b>
1	Image Sensor	1/3" Progressive Scan CMOS	
2	Effective Pixels	1280(H)*720(V)	
3	Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR	
4	Shutter Time	1/25(1/30) s to 1/50,000 s	
5	Lens	2.8 - 12 mm @ F1.4	
		Angle of view: 80° - 27.2°	
6	Sync System	Internal	
7	White Balance	Automatic	
8	WDR	120db WDR	
9	Day & Night	Automatic	
10	Synchronization	Internal synchronization	
11	Video Frame Rate	720p@25fps/720p@30fps	
12	HD Video Output	1 Turbo HD output	
13	S/N Ratio	More than 52dB	
14	Working Temperature/Humidity	-40 °C - 60 °C (-40 °F - 140 °F)	
		Humidity 90% or less (non-condensing)	
15	Power Supply	12V DC	
16	Power Consumption	Max. 4.5W	
17	Weather Proof Ratings	IP66	
18	IR Range	≥ 20 mtr	
19	Certifications	UL,CE,FCC	

**m-DVR Specification (ARAI Standard)**

<b>S · N o</b>	<b>Parameter</b>	<b>m-DVR having up to 4 CCTV cameras</b>
1	Video Format	PAL
2	Number of Video Inputs	4 Channels
3	Number of Video Outputs	1
4	Video Compression Standards Supported	H.264, MPEG-4 and M-JPEG
5	Audio Compression Standards Supported	G.711 and G.726
6	Number of streams	Dual streams, both streams independently configurable for each camera resolution and frame rate
7	Recording Resolutions	4CIF/2CIF/CIF/QCIF (can be set independently for each channel, for both streams)
8	Video Frame Recording Rate	1 to 25 fps for all channels at 4CIF (total 100 fps at 4CIF) – resolution and frame rate can be set independently for each camera, for both streams
9	Alarm Sensors	Minimum 4 inputs (NO/NC, configurable) 2 outputs
10	Storage	1TB, 2.5" SATA Hard Disk Drive or Solid State Drive with suitable ant vibration mechanism
11	Recording Modes	Normal, Schedule based, Alarm triggered, Motion detection
12	Event Based Recording and Tagging	Pre-recording – 1 to 15 minutes Post-recording – 1 to 60 minutes
13	Shut Down Delay	Configurable shut down delay after ignition off – 5 min to 4 hours
14	Power Input	8 to 32 volts, spike/surge protection
15	Power output	Regulated power to CCTV cameras and Microphones
16	Working Temperature	-10 to 60 degree Celsius
17	Working Humidity	0% to 95% relative humidity non-condensing
18	Network/Communication	LAN – 1 RJ45 interface
19	Interfaces	Wi-Fi – 802.11/b/g/n Built-in 3G/4G module, supporting both 3G and 4G, Support for SMS, Voice, Data, GPRS, TCP/IP
20	External Interfaces	1 USB 2.0 ,1 SIM slot

2 1	Image quality	1 to 5 (configurable)
2 2	Watermark	Tamper-proof Watermark
2 3	Configurable Video Overwriting	Video over-writing to be configurable to support: (a) Cyclic overwriting (oldest recording to be overwritten) (b) Event tagged recording not to be overwritten for a longer period (7 to 30 days, configurable)

24	Connections	All input and output connections to be vibration/shock resistant and locking Desirable: Aviation Connectors
25	LED Indicators	Power, Recording, 3G/ GPRS Network
26	Vibration resistance	EN 60068 or equivalent
27	Shock resistance	EN 60068 or equivalent
28	Motion Detection	Configurable sensitivity levels Motion Detection zones to be configurable independently for each camera
29	RTC (Real time clock)	Built-in RTC, drift not more than 10 seconds at any time
30	Data Download	m-DVR should provide video and audio download facility for the desired date/time and duration. It should be possible to connect a laptop to m-DVR through network cable on RJ45 port and open m-DVR's user interface in a standard browser using a standard URL.
31	Data Transfer on 3G and 4G/ GPRS	In case the vehicle moves to an area where 3G coverage is not present, the m-DVR will automatically shift to GPRS (2G) connectivity to send the health status data.
32	Certification	CE/FCC/ARAI and UL

**In addition mDVR should have inbuilt GPS Module, capable to provide video with GPS Co-ordinates**

**HD CAMERA SPECIFICATION FOR CASH VAN**

<b>S · N o ·</b>	<b>Parameter</b>	<b>Recommended Specs</b>
1	Type	HD Color Camera with M 12 Connector
2	Video Format	PAL
3	Lens	Fixed 3.6mm
4	Camera Resolution	700 TVL, 752(H) X 582 (V) or better
5	Image Sensor	1/3" CCD or better
6	Minimum Illumination	0.01 Lux at F1.2 with IR Off 0.0 Lux with IR On
7	Shutter Time	1/50 sec to 1/100,000 sec
8	Infrared Capability	Built-in Infrared LEDs with range of minimum 10 meters Auto Day/Night
9	Camera Ruggedness	Rugged, vibration, shock and tamper proof housing. Vibration resistance as per EN 60068 or equivalent Shock resistance as per EN 60068 or Equivalent
10	IP Rating	IP66
11	Operating Temp	-10 to 60 degree Celsius
12	Operating Humidity	0% to 95% RH
13	Audio	Built-in Microphone or separate microphone
14	Image Enhancement	Auto-tracking White Balance (ATW) , Automatic Gain Control ,Wide Dynamic Range (WDR) and automatic Backlight Compensation (BLC)
15	Input Power	Power from Mdvr
16	Motion Detection	Automatic Motion Detection
17	Certification	UL, ARAI and FCC or CE





**OTHER COMPONENTS OF CCTV**

<b>S · N o</b>	<b>Item Name</b>	<b>Specifications</b>
<b>1</b>	<b>Hard Disk Drive (SATA II or III)</b>	Samsung / Seagate/WD/Hitachi. Video Surveillance Series (Rated for 24/7 operation). <b>32~64 MB Cache, 3Mb ~ 6Mb per second data transfer rate, Spindle Speed 7200 RPM or more.</b>
	Capacity	4TB/ 6TB (Tera Bytes)
<b>2</b>	<b>MONITOR</b>	LED with TCO 03 or higher certification.
	Screen size	22" diagonal LED
	Make	Samsung/ LG/Philips/ASUS/AOS
	Video	PAL / NTSC color composite
	Resolution (Min)	Minimum 1920*1080 / 1368*720 Pixels @ 60~85 Hz Refresh Rate, True Colour (32 Bit)
	Power Input	12/24 V DC
	Viewing Angle	140 degree H., 130 degree V
	Power consumption	NOT EXCEEDING 40 Watts
<b>3</b>	<b>Cable – Video (RJ-6)</b>	Unarmored
	Category	Coaxial RG 59
	Type	Unarmored
	Capacitance	53 +/- 3 Ohms
	DC resistance inner conductor	8.5 Ohms /KM
	Di- electric strength	10 KVA AC Mains
	Di electric material	Polythene (PE), 7.1mm dia
	Insulation resistance	50 M Ohms/KM
	Nominal Impedance	75 Ohms
	Minimum bending radius	55 mm
	Acceptable Quality	Make – Finolex/ Incab/ Polycab or equivalent
<b>4</b>	<b>Cable- Power</b>	Unarmored
	Category	2 core power cable
	Type	2 core 1 sq .mm each
	Acceptable Quality	ISI Marked (IS-694, 1990). Make – Finolex/ Incab/ Polycab or equivalent
	Insulation	PVC Insulated
<b>5</b>	<b>PVC Conduits for cabling.</b>	
	Specifications	IS-9537-1983; Internal Dia 20 “+, -,” 1 mm, Wall Thickness- 4.2~5 mm
	Acceptable Quality	ISI Marked. Make – Precision/ Prince or equivalent
	Grade	Medium

6	6 U Rack- ( Wall Mount)	Dimension : 630 mm x500mm depth Power Strip: 6 Socket power supply: 1 No. Equipment Mounting Tray: 1 No Mounting screws & studs : 1 pack Transparent front door with Lock Fan tray with 2 Fans Provision for cable routing at the bottom of Rack.
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#### Annexure-D9

#### 4 / 8 / 16 CH NETWORK VIDEO RECORDERS (NVR)

S · N o		Parameters	Technical Specifications	Re ma rk
1	Vid eo/ Au dio inp ut	IP video input	4-Ch / 8 Ch / 16 Ch	
		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1KΩ)	
2	Ne tw ork	Incoming bandwidth	40Mbps / 80 Mbps	4/ 8 / 16 Ch
		Outgoing bandwidth	80Mbps / 160 Mbps	4/ 8 / 16 Ch
		Remote connection	32 or higher	
3	Vid eo/ Au dio out put	Recording resolution	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
		Video Compressor	H.265+, H.265, H.264	
		Frame rate	Main stream: 50 fps (P) / 60 fps (N)	
			Sub-stream: 50 fps (P) / 60 fps (N)	
		HDMI/VGA output	4-ch, VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz;	
		Audio output	1-ch, RCA (Linear, 1kΩ)	
4	De co din	Live view / Playback resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	

	g	Capability	1080P	
5	Hard disk	SATA	2 SATA / 4 SATA interfaces each supporting upto 6TB	
		Capacity	Up to 6TB for each disk HDD	
6	External interface	Network interface	1 RJ-45 10 /100 / 1000 Mbps self-adaptive Ethernet interface	
		USB interface	1 x USB 3.0 / 2 x USB 2.0	4/ 8 /16 Ch
7	Others	Power supply	12V DC / 100~ 240 VAC	
		Consumption (without hard disk)	≤ 10W / ≤ 20W /	4/ 8 /16 Ch
		Working temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	
		Working humidity	10 % ~ 90 %	
8	Certification		UL and FCC or CE	

**HD IP VERIFOCAAL LENS BULLET CAMERA**

S r . N o	Parameters	Technical Specifications	R e m a r k
	<b>Camera</b>		
1	Image Sensor	1/3" progressive scan CMOS	
2	Min. Illumination	Color: <b>0.01</b> @F1.4, 0 Lux with IR	
3	Shutter Speed	1/3 s to 1/100, 000 s, support slow shutter	
4	Lens	2.8 mm -12 mm motorize @F1.4, horizontal field of view: 113° to 33.8°	
5	Lens Mount	Ö14	
6	Day & Night	IR cut filter with auto switch	
7	3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 100°, rotation: 0° to 355°	
8	DNR (Digital Noise Reduction)	3D DNR	
9	WDR (Wide Dynamic Range)	120 dB ( <b>DWDR not acceptable</b> )	
	<b>Compression Standard</b>		
1	Video Compression	Main stream: H.265.H.265+,H.264+/H.264 Sub stream: H.264/MJPEG	
2	H.265+ Type	Main profile	
3	Video Bit Rate	32 Kbps to 8 Mbps	
4	Dual Stream	Support	
	<b>Image</b>		
1	Max. Resolution	1920 × 1080	
2	Main Stream Max. Frame Rate	50Hz: 25fps @(1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps @(1920 × 1080, 1280 × 960, 1280 × 720)	
3	Sub-stream Max. Frame Rate	50Hz: 25fps @(704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps @(704 × 480, 640 × 480, 352 × 240, 320 × 240)	
4	Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software	
5	Day/Night Switch	Support auto, scheduled	

6	Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)	
	<b>Network</b>		
1	Network Storage	Support micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR	
2	Detections	Motion detection, Line Crossing, Intrusion, Detection	
3	Alarms	RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour	
4	Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	
5	Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
6	General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter	

	<b>Interface</b>		
1	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port	
2	Reset	Support	
3	<b>General</b>		
4	Operating Conditions	-30 °C to 60°C (-22 °F to 140°F), humidity: 95% or less (non- condensing)	
5	Power Supply	DC12V ± 25%, PoE (802.3af)	
6	Power Consumption	Max. 5.5 W/11 W	
7	Ingress Protection	IP 67	
8	IR Range	Up to 30 mtr	
	<b>Certification</b>		
		UL and FCC or CE	

**POE SWITCH 05 CHANNEL SPECIFICATIONS**

<b>Ports</b>	
Network Ports	5
PoE Port	4 x 10/100 Mbps, RJ-45 ports
Uplink Por	1 x 10/100M Ethernet Port
<b>Standard</b>	
Network Protocol	IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at
<b>Performance</b>	
Switching Capacity	1 Gbps
Max. Forwarding Rate	0.74 Mpps
High Priority Ports	Port 1
Forwarding Mode	Store-and-forward
MAC Address Table	1k
Flow Contro	IEEE 802.3x full duplex
<b>Power over Ethernet</b>	
PoE Standard	4 ports IEEE802.3af (up to 15.4 W per port) or 2 ports IEEE802.3at (up to 30 W per port)
PoE Power Budget	58 W
Working Mode	Extend On: 250 m, 10M, CAT 5e
	Extend Off: 100 m
<b>General</b>	
Power Supply	51 VDC, 1.25 A
Power Consumption	≤63 W
Surge Protection	4 kV
Working Temperature	32° F to 104° F (0° C to 40° C)
Working Humidity	10% to 90% , non-condensing
Storage Temperature	-40° F to 158° F (-40° C to 70° C)
Storage Humidity	5%-90% , non-condensing
Weight	10.55 ozs (299 g)
Dimension	5.2" x 3.7" x 1.09" (132 mm x 93.3 mm x 27.6 mm)

**POE SWITCH 08 CHANNEL SPECIFICATIONS**

<b>GENERAL</b>	
Interface	8 x 10/100 Mbps PoE ports • 1 x SFP ports, <b>UPLINK PORT 1 x 10/100</b>
Port Standards & Functions	Ports 1 to 8 compliant with 802.3at
Other Port Standards & Functions	IEEE 802.3 10 BASE -T Ethernet (twisted-pair copper). IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) IEEE 802.3ab 1000BASE-T gigabit Ethernet Fast Ethernet (twisted-pair copper). IEEE 802.3az compliance. Auto-negotiation. IEEE 802.3 x flow Control. IEEE 802.3z
Networks Cables	UTP Cat. 5, Cat. 5e (100 m max)
Duplex Mode	Full/Half-duplex for 10/100 Mbps. Full-duplex for 1000Mbps
Media Interface Exchange	Auto MDI/MDIX adjustment for all twisted-pair ports
<b>PERFORMANCE</b>	
Switching Capacity	40Gbps
Transmission Method	Store-and-Forward
MAC Address Table	6,000 entries per device
MAC Address Update	UP to 256 static MAC entries
Maximum 64 bytes packet forwarding rate	14.88 mbps
Packet Buffer Memory	1.5 MB
CPU Memory	128 MB DDR3
Flash Memory	16 MB
<b>Physical/ Environment I</b>	
AC Input	100 to 240 VAC 50/60 Hz internal universal power supply
Maximum Power Consumption	103.4 W (PoE on) • 17.9 W (PoE off)
Maximum PoE Budget	78 W
Standby Power Consumption	100 V: 10.3 W • 240 V: 11.1 W
Acoustics	0 dBA
Heat Dissipation	352.63 Btu/hr
Operating Temperature	-5 to 50 °C (23 to 122 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
Dimensions (L x W x H)	280 x 180 x 44 mm (11.02 x 7.08 x 1.73 in)
Weight	1.41 kg (3.1 lbs)
Diagnostic LEDs	Link/Activity/Speed (per 10/100/1000 Mbps port)• Power Fail/Power Ok (per PoE port)

**POE SWITCH 24 CHANNEL SPECIFICATIONS**

<b>GENERAL</b>	
Interface	24 x 10/100/1000 Mbps PoE ports • 4 x SFP ports
Port Standards & Functions	Ports 1 to 4 compliant with 802.3at • Ports 5 to 24 compliant with 802.3af
Other Port Standards & Functions	IEEE 802.3 10 BASE -T Ethernet (twisted-pair copper). IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) IEEE 802.3ab 1000BASE-T gigabit Ethernet Fast Ethernet (twisted-pair copper). IEEE 802.3az compliance. Auto-negotiation. IEEE 802.3 x flow Control. IEEE 802.3z
Networks Cables	UTP Cat. 5, Cat. 5e (100 m max)
Duplex Mode	Full/Half-duplex for 10/100 Mbps. Full-duplex for 1000Mbps
Media Interface Exchange	Auto MDI/MDIX adjustment for all twisted-pair ports
<b>PERFORMANCE</b>	
Switching Capacity	56 Gbps
Transmission Method	Store-and-forward
MAC Address Table	16 ,000 entries per device
MAC Address Update	Up to 256 static MAC entries
Maximum 64 bytes packet forwarding rate	41.7 Mpps
Packet Buffer Memory	1.5 MB
CPU Memory	128 MB DDR3
Flash Memory	16 MB
<b>Physical/Environmental</b>	
AC Input	100 to 240 VAC 50/60 Hz internal universal power supply
Maximum Power Consumption	251.3 W (PoE on) • 26.3 W (PoE off)
Maximum PoE Budget	193 W
Standby Power Consumption	100 V: 24 W/ • 240 V: 21.9 W
Acoustics	Low speed: 47 dBA • High speed: 52.4 dBA
Heat Dissipation	840.89 Btu/hr
Operating Temperature	-5 to 50 °C (23 to 122 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
Dimensions (L x W x H)	444 x 210 x 44 mm (17.32 x 8.27 x 1.73 in)
Weight	2.54 kg (5.60 lbs)



Diagnostic LEDs

Link/Activity/Speed (per 10/100/1000 Mbps port)•  
Power Fail/Power Ok (per PoE port)

**TIME LOCK**

**TECHNICAL SPECIFICATIONS**

1.1 Electronic Time Locks shall be installed on the doors of Strong Room / Cash Safe/ Vault/ Grill Doors/ Gold Safe.

1.1.2 Each of these locks will have independent & separate Power supply unit with sufficient battery backup. Vendor shall specify battery backup time in hours/ minutes.

1.1.3 All relevant licensed software's & operating system, preferably Windows XP professional (If required).

1.1.4 Facility to create/delete user, change user pass code, etc. with complete lock management.

1.1.5 Facility to set operating time for each lock/ group & holiday schedule.

1.1.6 Facility to create customized report generation based on events, time, dates, etc.

1.1.7 Alarm generation in case of illegal attempt such as invalid user, invalid time, etc.

1.1.8 All miscellaneous work related to successful completion of job such as Cabling, conducting, casing & capping, civil works, etc. shall be carried out professionally & as per standards. Metal conduits shall be used for cabling (if required).

1.1.9 A unique mechanical key, for each lock, shall be provided, as a master key for opening of locks, in case of Power / Electrical or any electronic components failure which will be kept in a sealed tamperproof cover in neighboring branch.

1.2 **Keypad:** Electronic keypad to control electronic safe time lock with two-line display on LCD. All the above features should also be programmable from key pad. Key pad should be independent and interactive with the lock. The Key pad has to be U.L. /ERTL/ETDC Approved

1.3 . **Connection module kit (As required):** Connection module kits shall be supplied with each lock & keypad.

1.4 **Power pack:** A separate power supply unit, with appropriate ratings & sufficient battery back up (Lithium Battery based) be provided for each electronic based lock system. Batteries shall be able to support the system for at least 6 hours, in case of mains power failure (wherever applicable).

1.5 **Software:** The necessary licensed software (If required/desired & installed at the

branch) shall be user friendly with following Programming , Monitoring & Reporting facilities :-

#### 1.5.1 PROGRAMMING

- (i) Facility to program & control door lock.
- (ii) Facility to program opening time for lock.
- (iii) Facility for setting holiday schedules.

- ☐ Facility to set time delay for each lock.
- ☐ Facility for creating / deleting user & changing user pass codes.

1.5.2 **MONITORING** - Buzzer Alarm indication for violation of any program, such as attempt to open in illegal time, attempt by illegal user, etc.

1.5.3 **AUDIT TRAIL**- Facility to extract audit trail as per requirements such as date wise, lock wise, open/close time wise, etc.

#### 1. 6 **SYSTEM COMPONENT REQUIREMENTS:**

1.6.1 **Electronic Timer Lock Unit:** A comprehensive set of electronic timer lock unit comprising of an electronic timer lock, Keypad, Connection module kits, Power pack, etc. complete in all respect, essential for successful working. Details as follows-

##### **1.6.2 TECHNICAL FEATURES /REQUIREMENTS:**

- (a) U.L./ERTL/ETDC Approved
- (b) Minimum 10 Users
- (c) System Settings & Audit Trail Shown on LCD, Printer or PC
- (d) One programmer code.
- (e) Manager Mode
- (f) Dual User Control:-
  - (i) Any two codes can open.
  - (ii) Two codes of same group can open
  - (iii) Two codes of different group can open

##### 1.6.3 Time Delay

- (a) Delay – 1 to 99 Minutes
- (b) Opening Window 1-19 Minutes
- (c) Duress Time Delay 0 – 99 Minutes
- (d) Time Delay Override

##### 1.6.4 Duress capability

##### 1.6.5 Bolt Position Sensor

##### 1.6.6 Time Lock Features: -

- (a) Standard 4 Opening & 4 Closing Per Day or More

- (b) Holidays & Special Events
- (c) Immediate Time Lock
- (d) Time Lock open period extension
  - (e) Date Format MM/DD/YY & DD/MM/YY Available
  - (f) Time Format 24 Hours (AM / PM Format)
  - (g) Code Denial through TCP/IP (Optional)
  - (h) Low Battery Warning on Screen/Alarm
  - (i) Retains All Codes & Settings when Changing Batteries
  - (j) Backup minimum 6 hours. (Lithium Battery based) or higher version.
  - (k) Motor driven lock
  - (l) Communication between time lock key pad and time lock to be securely encrypted to prevent bypassing the time lock schedule simply by replacing the keypad.
  - (m) Door locks automatically whenever the door closes
  - (n) Manager & user codes- 6-8 digits code
  - (o) Multiple latching,
- 1.6.7 Lock Codes:-
  - (a) Master Code:-
    - (i) Opens Locks & Access all Lock functions
    - (ii) Should be definable as cannot be opened lock.
  - (b) Manager Code
  - (c) Time Manager Code
  - (d) Duress Code
- 1.6.8 User Code.
- 1.6.9 Self-Diagnosis / Error Detection Capability
- 1.6.10 Audit:- (a) Non-erasable
  - (b) Audit trail more than 2000 events
- 1.6.11 Over TCP/IP Network
- 1.6.12 Change of Lock settings:-
  - (a) At Location
  - (b) Over TCP/IP (Optional)
- 1.6.13 1 (one) years comprehensive AMC after one year warranty period

**TECHNICAL SPECIFICATIONS OF AUTOMATIC FIRE DETECTION &  
ALARM SYSTEM (AFD&AS)**

<b>S.No</b>	<b>Item</b>	<b>List</b>
(a)	Specifications: Panel and Battery	Annexure-F1
(b)	Specifications: MCP, Hooter, RI and Cable	Annexure-F2
(c)	Specifications: Various Detectors	Annexure-F3
(d)	Maintenance Of Automatic Fire Detection & Alarm System (AFD&AS)	Annexure-F4

## **SPECIFICATIONS: PANEL AND BATTERY**

[Note: There will be additional feature based specifications for the Addressable Systems which can be fixed in consultation with the Fire Officer having jurisdiction or the CSO of the Circle.

1.

<b>a) Main Control Panel</b>	<b>b) Technical Specifications</b>
(a) Primary Function	a) The primary function of the control panel shall be to automatically respond to the operation of one or more detectors to give fire alarm and to indicate area (zone) from where the devices are activated.
(b) Specifications	b) <b>Minimum 4 (Four) Zone</b> Microprocessor based Control Panel as per IS-2189- 2008 specifications. Approved / tested by ERTL/ ETDC or any Third Party Laboratory/ Test House recognized by Bureau of Indian Standards for this purpose.
(c) Electrical \ Electronics	Built-in power supply arrangement with AC/DC ON, system ON visual indicators.
	Automatic changeover arrangement to standby supply with built-in battery charger, low battery, charger fail, reverse polarity, AC/DC fail <b>visual indicators</b> .
	Built-in panel sounder with Acknowledge switch, lamp test and reset switches, evacuation alarm.
	Zone indicators for Fire, Open, Short, Isolate and Test Facility.
	On fault i.e, open / short condition, buzzer must sound and indicator lamp (LED) glow. This audible alarm should be distinct from the Fire Alarm. <b><u>Trouble reminder</u></b>
	Built-in Digital Ammeter, Digital Voltmeter, Air Conditioning turn-off relays and facilities for connecting Auto dialer.
	<b><u>Built in Auto dialler arrangement.</u></b>
(d) Power Supply	The fire panel shall operate from a 230 v + / - 10 % 50 Hz mains supply and in case of power failure shall automatically switch over to a built-in sealed maintenance free battery rated at 24V DC 7 AH with a switch over time of less than 100 ms. <b><u>Deep discharge arrangement should be there.</u></b>
(e) Power Consumption	Less than 200 mA idle current and 1 –2 Amps on full activation.

(f) AC Voltage at Input	Single Phase 50 Hz, 150-260 V. Auto cut-off protections for over and under current / voltage.
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(g) DC Voltage for System	24 Volts
(h) Type of indicator lamps	LED (different colours)
(i) Body	
(i) Type	Wall mounting, plug in modular type.
(ii) Overall dimensions	Suitable size to accommodate 4 zones, other control components, and 2x12V 7 AH battery.
(iii) Thickness of body and colour	16 SWG. Powder coating.
(iv) Opening of the body / panel	Suitable locking arrangement through Key /Allen Screws.
(v) Cable glands	Cable glands should be provided.
(i) Auto dialer should be integrated within Main Control Panel	Should have capacity to register at least 5 (five) telephone numbers.

## 2. BATTERY UNIT

(a) Make	Standard ISI make
(b) Type	Sealed, maintenance free.
(c) Voltage	12 Volts: 2 units.
(d) AH Capacity	7 AH capable of providing 48 hrs stand by supply in case of AC failure as per IS 2189-2008.
(e) Location	Both the batteries will be located within the Main Control Panel.

**SPECIFICATIONS: MCP, HOOTER, RI AND CABLE**

<b>3. MANUAL CALL POINT:</b>	
(a) Make as per BIS	As per IS 2189-2008. with hammer and chain
(b) Material of body	M.S., Powder coated with approved P.O red
(c) Thickness of body	1.5 mm.
(d) Material of fragile element	Glass of 2mm thickness
(e) Contact making breaking	Breaking for alarm
(f) Dimension	100mm x 100mm
(g) Size of fragile element	70mm x 70mm
(h) Type of indicator lamp	LED
<b>4. ELECTRONIC HOOTER/SOUNDER:</b>	
(a) Make	As per IS 2189-2008.
(b) Watt/ capacity	6 Watts (Dual tone) of Min 65 db output
(c) Type of sound emitted	Intermittent / Dual
(d) Material of the body	Fabricated from either spun aluminium or moulded PVC.
<b>5. RESPONSE INDICATOR</b>	
(a) Make	As per IS 2189-2008 or equivalent as per prevalent trade and practice, acceptable to the Bank.
(b) Type of indicator lamps	LED
(c) Material of the body	Fabricated from either spun aluminium or moulded PVC or MS 16 SWG
<b>6. CABLE</b>	
(a) Make	Standard ISI mark (IS 1554-Part-1 1976 or latest
(b) Specification	2 core, 1.5 sq. MM core;
(c) Type	Armoured Cable



**SPECIFICATIONS: VARIOUS DETECTORS**

<b>DETECTOR:</b>	
<b>i) IONISATION SMOKE DETECTOR:</b>	
<b>(a) Operation Principle</b>	Ionization (Apollo 65 and its equivalent other makes as listed below.
<b>(b) Make</b>	
<b>(c) Specification</b>	IS 11360-1985/UL-217/EN-54/FM/LPCB
<b>(d) Voltage range</b>	24V DC, 20-30V
<b>(e) Type of Indicator lamp</b>	LED.
<b>(f) Compatible to work with</b>	Optical and Heat and Multi Sensor

<b>ii) OPTICAL SMOKE DETECTOR :</b>	
<b>(a) Operation Principle</b>	Light Scattering or obscuration (Apollo 65 and its equivalent other makes as listed below.
<b>(b) Make</b>	
<b>(c) Specification</b>	IS-11360-1985/UL/BS/FM/LPCB
<b>(c) Type of indicator lamp</b>	LED
<b>(d) Compatible to work with</b>	Ionization and Heat and Multi Sensor

<b>iii) HEAT DETECTOR:</b>	
<b>(a) Operation principle</b>	Rate of rise cum fixed temperature type.
<b>(a) Make</b>	
<b>(b) Specification</b>	IS-11360/UL/BS/FM/LPCB
<b>(c) Type of indicator lamp</b>	LED
<b>(d) Compatible to work with</b>	Ionization and Optical and Multi Sensor

**MAINTENANCE OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFDS)**

1. A.M.C. will be awarded after completion of warranty period counting from the date of handing over the system to the branch/office.\_

**2. Scope of work:** Quarterly (Once in three months) i.e. four visits in a year.

- (a) Checking, cleaning and testing of all components of the system i.e. control panel, detectors. Response indicators, manual call points, auto dialler and batteries etc. for its serviceability and healthiness.
- (b) Testing of auto dialler, programming i.e. changing and feeding of telephone numbers in consultation with Branch Managers wherever required.
- (c) Rectification of defects noticed in the system.
- (d) During each visit representative of the firm will give training to the bank's staff in operation and maintenance of the system.
- (e) Apart from the above quarterly visits all complaints / breakdown calls will have to be attended free of cost within 24 hours for city / local branches and within 72 hours for outstation branches. An alternative serviceable unit may be provided in case the existing unit has to be taken out for necessary repairs and the original unit / part shall be refitted after repairs at the earliest.

**TECHNICAL SPECIFICATIONS OF FIRE EXTINGUISHERS**

<b>S.No</b>	<b>Item</b>	<b>List</b>
(a)	CO <sub>2</sub> Portable Fire Extinguishers 3 KG & 4.5 KG	Annexure-G1
(b)	DCP Fire Extinguishers (Cartridge Type) 6KG & 9 KG	Annexure-G2
(c)	DCP Fire Extinguishers (Stored Pressure)	Annexure-G3
(d)	Water Co <sub>2</sub> Fire Extinguishers	Annexure-G4

**TECHNICAL DETAILS OF CO<sub>2</sub> PORTABLE FIRE EXTINGUISHERS**

<b>S l . N o .</b>	<b>Details</b>	<b>Partic ulars</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>3 Kg</b>	<b>4.5 Kg</b>
<b>1</b>	<b>General</b>			
a	Standard Code		Conforming to IS: 15683	Conforming to IS: 15683
b	Type		Portable	Portable
c	Fire Rating		13 B	13 B
d	Suitable for class of fire		Class B & Class C	Class B & Class C
e	Working Temperature		-20 <sup>0</sup> to 55 <sup>0</sup> C	-20 <sup>0</sup> to 55 <sup>0</sup> C
<b>2</b>	<b>Material of Construction for Body</b>			
a	Material		Seamless Manganese Steel Tube as per IS 7285	Seamless Manganese Steel Tube as per IS 7285
b	Size			
i	Height		525 mm $\pm$ 5	700 to 710 mm
ii	Diameter		140 mm $\pm$ 5	140 mm $\pm$ 5
iii	Thickness		4.2 mm As per IS 15683:2006	4.2 mm As per IS 15683:2006
<b>3</b>	<b>Pressure Requirement</b>			
a	Service Pressure		60-65 Kg/cm <sup>2</sup>	60-65 Kg/cm <sup>2</sup>
b	Testing Pressure		250 Kg/cm <sup>2</sup>	250 Kg/cm <sup>2</sup>
<b>4</b>	<b>Neck Ring</b>			

<b>S I · N o ·</b>	<b>Details</b>	<b>Partic ulars</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>3 Kg</b>	<b>4.5 Kg</b>
a	Threads		As per IS 3224	As per IS 3224
b	Type		Wheel type / Squeeze grip type as per IS: 3224:2002	Wheel type / Squeeze grip type as per IS: 3224:2002
			Wheel type IS 3224 Aluminum	Wheel type IS 3224 Aluminum
<b>5</b>	<b>Valve</b>	Worki ng pressu re	158 Kg/cm <sup>2</sup>	158 Kg/cm <sup>2</sup>

S I · N o ·	Details	Particulars	Requirement	Requirement
<b>6</b>	<b>Hose</b>			
a	Material		Wire Braided Rubber	Wire Braided Rubber
b	Size			
c	I.D.		10 mm	10 mm
d	Length		-	1 m
e	Working Pressure		150 Kg/cm <sup>2</sup>	150 Kg/cm <sup>2</sup>
f	Bursting Pressure		275 Kg/cm <sup>2</sup>	275 Kg/cm <sup>2</sup>
<b>7</b>	<b>Discharge Tube</b>		Made of M.S., Swivel joint type with rubber cover, free rotation in 360 angle	NA
<b>8</b>	<b>Discharge Horn</b>			
a	Property		Non conductive	Non conductive
b	Material		Fiber glass / Polyethylene	Fiber glass / Polyethylene
c	Size			
i	Length		250 mm	400 mm
i i	O.D.		42 mm	62 mm
<b>7</b>	<b>Charge</b>			
a	Extinguishing Media		Carbon Dioxide confirms to IS 15222	Carbon Dioxide confirms to IS 15222
b	Filling Ratio		0.667	0.667
c	Weight / Volume		3 Kg	4.5 Kg
<b>8</b>	<b>Washer</b>			
a	Material		Taflon / Nylon	Taflon / Nylon
b	Size			
i	O.D.		19 mm	19 mm

i i	I.D.		9 mm	9 mm
i i i	Thickness		3 mm	3 mm
<b>9</b>	<b>Performan ce Test</b>			
a	Bulk Range Discharge		Not less than 2 Mtr.	Not less than 2 Mtr.
b	Minimum Effective Discharge Time		8 sec	8 sec

c	Throw of Jet		2 Mtr	2 Mtr
d	Discharge %		10 to 20 sec. Not less than 95 %	10 to 25 sec. Not less than 95 %
<b>10</b>	<b>Weights</b>			
a	Empty Weight		9 to 10 Kg	12 to 14 Kg
b	Full Weight		12 to 13	16.5 to 18.5 Kg
<b>11</b>	<b>Wall Mounting Bracket</b>		Mild Steel (Powder coated)	Mild Steel (Powder coated)
<b>12</b>	<b>Maintenance</b>		As per IS 2190	As per IS 2190
<b>13</b>	<b>Refilling</b>		Once in 2 years. Return to authorized recharger for recharging with Hydraulic Pressure test	Once in 2 years. Return to authorized recharger for recharging with Hydraulic Pressure test
<b>14</b>	<b>Hydraulic Pressure Test</b>		Once in 3 years. At the time of refilling.	
<b>15</b>	<b>Life of Extinguisher</b>		10 years	10 years
<b>16</b>	<b>Painting</b>		Fire Red Fire Red, confirming to shade No. 536 of IS: 5	Fire Red Fire Red, confirming to shade No. 536 of IS: 5
<b>17a</b>	<b>Marking</b>	Standard marking	IS: 15683	IS: 15683
<b>b</b>		Name of the manufacturer or trade mark if any		
<b>c</b>		Year of manufacture		
<b>d</b>		Serial number		
<b>e</b>		Type of extinguisher	CO <sub>2</sub> Type	CO <sub>2</sub> Type



<b>f</b>		Capacity of extinguisher	3 Kg	4.5 Kg
<b>g</b>		A declaration to the effect that the body of the extinguisher has been tested to a pressure of	250 Kg/cm <sup>2</sup>	250 Kg/cm <sup>2</sup>
<b>h</b>		Picture showing method of operation		
<b>i</b>		Method of operation in prominent letters		
<b>j</b>		The extinguisher shall be marked with letter indicating their suitability for respective classes of fires indicating their suitability for respective classes of fires	Class B & Class C	Class B & Class C

**Annexure-‘G2’**

**TECHNICAL DETAILS OF DCP FIRE EXTINGUISHERS (CARTRIDGE TYPE)**

<b>S I · N o ·</b>	<b>Particulars</b>	<b>Details</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>DCP 6 Kg</b>	<b>DCP 9 Kg</b>
<b>1</b>	<b>General</b>			
a	Standard Code		Conforming to IS: 15683	Conforming to IS: 15683
b	Type		Portable	Portable
c	Fire Rating		21 B	34 B
d	Suitable for class of fire		Class B & Class C	Class B & Class C
e	Working Temperature		-30 <sup>0</sup> to 55 <sup>0</sup> C	-30 <sup>0</sup> to 55 <sup>0</sup> C

S l · N o ·	Particula rs	Details	Requirement	Requirement
			<b>DCP 6 Kg</b>	<b>DCP 9 Kg</b>
<b>2</b>	<b>Body</b>			
a		Material	M.S. Sheet (IS 513)	M.S. Sheet (IS 513)
b		Size		
i		Height	500 to 510 mm	600 to 620 mm
i i		Diameter	150 to 160 mm	175 to 190 mm
i i i		Thickness	Min 1.5 mm (As per IS 15683)	Min 1.5 mm (As per IS 15683)
<b>3</b>	<b>Pressure Require ment</b>			
a		Service Pressure	15 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>
b		Test Pressure	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
c		Burst Pressure	45 Kg/cm <sup>2</sup>	45 Kg/cm <sup>2</sup>
<b>4</b>	<b>Neck Ring</b>		Neck ring is welded with top of the body having mounting threads (G2-1/2 or M74 x 2)	Neck ring is welded with top of the body having mounting threads (G2-1/2 or M74 x 2)
<b>5</b>	<b>Cap</b>	Material	Brass Forging (IS 6912)	Brass Forging (IS 6912)
<b>6</b>	<b>Cap Washer</b>	Material	Rubber (IS 5382)	Rubber (IS 5382)
<b>7</b>	<b>Plunger</b>	Material	Brass/Stainless Steel (IS 6528)	Brass/Stainless Steel (IS 6528)
<b>8</b>	<b>Spring</b>	Material	Carbon Steel (IS 4454)	Carbon Steel (IS 4454)
<b>9</b>	<b>Siphon Tube</b>	Material	Aluminium/ M.S. (IS 3601)	Aluminium/ M.S. (IS 3601)

<b>10</b>	<b>Discharge Assembly</b>	Squeeze grip type having mounting threads to match with necking threads.		
<b>a</b>	<b>Discharge Nozzle</b>	Material	Plastic Nozzle with Metallic insert fitted with hose.	Plastic Nozzle with Metallic insert fitted with hose.
<b>b</b>	<b>Hose</b>			
<b>i</b>	Material		Braided Rubber / PVC	Braided Rubber / PVC
<b>i i</b>	Length		450 mm	450 mm
<b>i i i</b>	Burst Pressure		50 Kg/cm <sup>2</sup>	50 Kg/cm <sup>2</sup>
<b>11</b>	<b>Extinguishing Media</b>		Dry Chemical Powder (Sodium bi-carbonate) as per IS 4308	Dry Chemical Powder (Sodium bi-carbonate) as per IS 4308
<b>12</b>	<b>Expelling Media</b>			
<b>a</b>		Gas	Carbon di oxide (CO <sub>2</sub> )	Carbon di oxide (CO <sub>2</sub> )
<b>b</b>		Gas Cartridge		
<b>i</b>		Material		Steel (IS 4947)
<b>i i</b>		Capacity	120 gm	180 gm
<b>13</b>	<b>Performance Test</b>			
<b>i</b>		Bulk Range Discharge	2 Mtr. (Minimum)	2 Mtr. (Minimum)
<b>i i</b>		Minimum Effective Discharge Time	8 sec (min)	8 sec (min)
<b>i i i</b>		Throw of Jet	4 Mtr.	Not less than 6 m
<b>i v</b>		Percentage of discharge	90%	90%
<b>v</b>		Duration	25 sec max	30 sec max

<b>1 4</b>	<b>Weights</b>			
a		Empty Weight	6 Kg (approx)	9 Kg (approx)
b		Full Weight	12 Kg (approx)	17 Kg (approx)
<b>1 5</b>	<b>Wall Mounting Bracket</b>		Mild Steel (Powder coated)	Mild Steel (Powder coated)
<b>1 6</b>	<b>Maintenance</b>		As per IS 2190	As per IS 2190
<b>1 7</b>	<b>Refilling</b>		Once in 3 years. Refilling at site by changing powder and cartridge powder and cartridge	Once in 3 years. Refilling at site by changing powder and cartridge changing powder and cartridge
<b>1 8</b>	<b>Hydraulic Pressure Test</b>		Once in 3 years	Once in 3 years
<b>1 9</b>	<b>Life of Extinguisher</b>		10 years	10 years
<b>2 0</b>	<b>Painting</b>		Fire Red, confirming to shade No. 536 of IS: 5. Blue (5% of total surface area remaining in red)	Fire Red, confirming to shade No. 536 of IS: 5. Blue (5% of total surface area remaining in red)
<b>2 1</b>	<b>Marking</b>			
a		Standard marking	IS: 15683	IS: 15683
b		Name of the manufacturer or trade mark if any		
c		Year of manufacture		
d		Serial number		
e		Type of extinguisher	Dry Chemical Powder BC (Squeeze Grip Cartridge Type)	Dry Chemical Powder BC (Squeeze Grip Cartridge Type)
f		Capacity of extinguisher	6 Kg	9 Kg

g		A declaration to the effect that the body of the extinguisher has been tested to a pressure of	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
h		Picture showing method of operation		
i		Method of operation in prominent letters		
j		The extinguisher shall be marked with letter indicating their suitability for respective classes of fires	Class B & Class C	Class B & Class C

**TECHNICAL DETAILS OF DCP FIRE EXTINGUISHERS (STORED PRESSURE)**

S I · N o ·	Particulars	Details	Requirement	
			DCP 6 Kg	DCP 9 Kg
<b>1</b>	<b>General</b>			
a	Standard Code		Conforming to IS: 15683	Conforming to IS: 15683
b	Type		Portable	Portable
c	Fire Rating		21 B	34 B
d	Suitable for class of fire		Class B & Class C	Class B & Class C
e	Working Temperature		-20 <sup>0</sup> to 55 <sup>0</sup> C	-20 <sup>0</sup> to 55 <sup>0</sup> C
<b>2</b>	<b>Body</b>			
a		Material	M.S. Sheet (IS 513)	M.S. Sheet (IS 513)
b		Size		
i		Height	Less than 600 mm	600 to 620 mm
i i		Diameter	150 to 160 mm	175 to 190 mm
i i i		Thickness	Min 1.5 mm (As per IS 15683)	Min 1.5 mm (As per IS 15683)
<b>3</b>	<b>Pressure Requirement</b>			
a		Service Pressure	15 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>
b		Test Pressure	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
c		Burst Pressure	45 Kg/cm <sup>2</sup>	45 Kg/cm <sup>2</sup>
<b>4</b>	<b>Neck</b>		Neck ring is welded	Neck ring is welded

<b>S I · N o ·</b>	<b>Particula rs</b>	<b>Details</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>DCP 6 Kg</b>	<b>DCP 9 Kg</b>
	<b>Ring</b>		with top of the body having mounting threads (G2-1/2 or M74 x 2)	with top of the body having mounting threads (G2-1/2 or M74 x 2)
<b>5</b>	<b>Cap</b>	Material	Brass Forging (IS 6912)	Brass Forging (IS 6912)
<b>6</b>	<b>Cap Washer</b>	Material	Rubber (IS 5382)	Rubber (IS 5382)
<b>7</b>	<b>Plunger</b>	Material	Brass/Stainless Steel (IS 6528)	Brass/Stainless Steel (IS 6528)
<b>8</b>	<b>Spring</b>	Material	Carbon Steel (IS 4454)	Carbon Steel (IS 4454)
<b>9</b>	<b>Siphon Tube</b>	Material	Aluminium/ M.S. (IS 3601)	Aluminium/ M.S. (IS 3601)

<b>1 0</b>	<b>Discharge Assembly</b>	Squeeze grip type having mounting threads to match with necking threads.		
<b>a</b>	<b>Discharge Nozzle</b>	Material	Plastic Nozzle with Metallic insert fitted with hose or SS- 316 or Forged Brass as per IS: 6912	Plastic Nozzle with Metallic insert fitted with hose or SS- 316 or Forged Brass as per IS: 6912
<b>b</b>	<b>Hose</b>			
<b>i</b>	Material		Braided Rubber / PVC	Braided Rubber / PVC
<b>i i</b>	Length		450 -500 mm	450 -500 mm
<b>i i i</b>	Burst Pressure		50 Kg/cm <sup>2</sup>	50 Kg/cm <sup>2</sup>
<b>1 0</b>	<b>Extinguishi ng Media</b>		Dry Chemical Powder (Sodium bi-carbonate) as per IS 4308	Dry Chemical Powder (Sodium bi- carbonate) as per IS 4308
<b>1 1</b>	<b>Expelling Media</b>		Nitrogen Gas (IS 1747)	Nitrogen Gas (IS 1747)
<b>1 2</b>	<b>Performanc e Test</b>			
<b>l</b>		Bulk Range Discharge	2 Mtr. (Minimum)	2 Mtr. (Minimum)
<b>i i</b>		Minimum Effective Discharge Time	8 sec (min)	8 sec (min)
<b>i i i</b>		Throw of Jet	4 Mtr.	Not less than 6 m
<b>i v</b>		Percentage of discharge	90%	90%
<b>v</b>		Duration	25 sec max	30 sec max
<b>1 3</b>	<b>Weights</b>			
<b>a</b>		Empty Weight	3 Kg (approx)	4 Kg (approx)
<b>b</b>		Full Weight	9 Kg (approx)	13 Kg (approx)



<b>1 4</b>	<b>Wall Mounting Bracket</b>		Mild Steel (Powder coated)	Mild Steel (Powder coated)
<b>1 5</b>	<b>Maintenanc e</b>			
<b>1 6</b>	<b>Refilling</b>		As per IS 2190	As per IS 2190
			Once in 3 years. Return to authorized recharger for recharging with Hydraulic Pressure test	Once in 3 years. Return to authorized recharger for recharging with Hydraulic Pressure test
<b>1 7</b>	<b>Hydraulic Pressure Test</b>		Once in 3 years	Once in 3 years

18	Life of Extinguisher		10 years	10 years
19	Painting		Fire Red, confirming to shade No. 536 of IS: 5. Blue (5% of total surface area remaining in red)	Fire Red, confirming to shade No. 536 of IS: 5. Blue (5% of total surface area remaining in red)
20	Marking			
a		Standard marking	IS: 15683	IS: 15683
b		Name of the manufacturer or trade mark if any		
c		Year of manufacture		
d		Serial number		
e		Type of extinguisher	Dry Chemical Powder BC (Squeeze Grip Stored Pressure Type)	Dry Chemical Powder BC Squeeze Grip Stored Pressure Type)
f		Capacity of extinguisher	6 Kg	9 Kg
g		A declaration to the effect that the body of the extinguisher has been tested to a pressure of	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
h		Picture showing method of operation		
i		Method of operation in prominent letters		
j		The extinguisher shall be marked with letter indicating their suitability for respective	Class B & Class C	Class B & Class C

		classes of fires		
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**TECHNICAL DETAILS OF WATER CO<sub>2</sub> FIRE EXTINGUISHERS**

<b>S I · N o ·</b>	<b>Particulars</b>	<b>Details</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>Water CO<sub>2</sub> Cartridge Type</b>	<b>Water CO<sub>2</sub> Stored Pressure Type</b>
<b>1</b>	<b>General</b>			
a	Standard Code		Conforming to IS: 15683	Conforming to IS: 15683
b	Type		Portable	Portable
c	Fire Rating		2 A	3 A
d	Suitable for class of fire		Class A	Class A
e	Working Temperature		0 <sup>0</sup> to 55 <sup>0</sup> C	+5 <sup>0</sup> to 55 <sup>0</sup> C
<b>2</b>	<b>Material of Construction for Body</b>			
a		Material	M.S. Sheet (IS 513)	M.S. Sheet (IS 513)
b		Height	580 to 600 mm	580 to 600 mm
c		Diameter	180 to 190 mm	180 to 190 mm
d		Thickness	1.5 to 1.6 mm Epoxy Powder Coat (min. 0.05 mm) (As per IS 15683)	1.5 to 1.6 mm Epoxy Powder Coat (min. 0.05 mm) (As per IS 15683)
<b>3</b>	<b>Pressure Requirement</b>			
a		Service	12 Kg/cm <sup>2</sup>	12 Kg/cm <sup>2</sup>

S I · N o ·	Particulars	Details	Requirement	Requirement
			<b>Water CO<sub>2</sub> Cartridge Type</b>	<b>Water CO<sub>2</sub> Stored Pressure Type</b>
		Pressure		
b		Test Pressure	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
c		Burst Pressure	45 Kg/cm <sup>2</sup>	45 Kg/cm <sup>2</sup>
3	<b>Neck Ring</b>		Seamless M.S. Pipe (IS 1239) neck ring is welded with top of the body having mounting threads as per IS 2643	Seamless M.S. Pipe (IS 1239) neck ring is welded with top of the body having mounting threads as per IS 2643
4	<b>Cap</b>		Brass Forging (IS 6912) having threads As per IS 2643	Brass Forging (IS 6912) having threads As per IS 2643
5	<b>Cap Washer</b>	<i>Material</i>	Rubber (IS 5382)	Rubber (IS 5382)
6	Pressure Gauge	<i>Properties</i>	23 mm series of Diaphragm, Brass Shelling nickel plated, Water proof	23 mm series of Diaphragm, Brass Shelling nickel plated, Water proof
7	Siphon Tube	<i>Material</i>	Brass Plastic /SS/ M.S. (IS 3601)	Brass Plastic /SS/ M.S. (IS 3601)
8	Snifter Valve	<i>Material</i>	Brass (IS 319)	Brass (IS 319)
9	Discharge Assembly			
a	Discharge Nozzle	<i>Squeeze Grip type</i>		
i		<i>Material</i>	Aluminum Alloy (IS 617) Plastic (IS 7328)	Aluminum Alloy (IS 617) Plastic (IS 7328)
B ( i	Hose	<i>Material</i>	Braided Rubber / PVC	Braided Rubber / PVC

<b>S i · N o ·</b>	<b>Particula rs</b>	<b>Details</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>Water CO<sub>2</sub> Cartridge Type</b>	<b>Water CO<sub>2</sub> Stored Pressure Type</b>
)				
i i		<i>Size</i>	Length: 400 mm (Minimum)	Length: 450 mm (Minimum)
i i i		<i>Burst Pressure</i>	50 Kg/cm <sup>2</sup>	50 Kg/cm <sup>2</sup>
1 0	Safety Clip	<i>Material</i>	Steel (IS 2507)	Steel (IS 2507)
1 1	Extinguis hing Media		Pure Water	Pure Water
		<i>Weight / Volume</i>	9 Ltr	9 Ltr
1 2	Expelling Media			
a		<i>Gas Cartridge</i>		NA
i		<i>Material</i>	Steel (IS 4947)	NA
i i		<i>Gas</i>	CO <sub>2</sub>	NA
i i i		<i>Capacity</i>	60 Gm	NA
b		<i>Stored Pressure Type</i>	NA	Nitrogen gas at pressure 15 Kg/cm <sup>2</sup>
1 3	Performa nce Test			
a		<i>Bulk Range Discharge</i>	2 Mtr. (Minimum)	2 Mtr. (Minimum)
b		<i>Minimum Effective Discharge Time</i>	60 to 120 sec	60 to 120 sec
c		<i>Throw of Jet</i>	Not less than 6 m	Not less than 6 m
d		<i>Percentage of discharge</i>	90%	90%

S l · N o ·	Particulars	Details	Requirement	Requirement
			<b>Water CO<sub>2</sub> Cartridge Type</b>	<b>Water CO<sub>2</sub> Stored Pressure Type</b>
1 4	Weight			
a		<i>Empty Weight</i>	5.5 Kg (with cap, cartridge and discharge connection)	5.5 Kg (with cap, cartridge and discharge connection)
b		<i>Full Weight</i>	14.5 Kg	14.5 Kg
1 5	Wall Mounting Bracket		Mild Steel (Powder coated)	Mild Steel (Powder coated)
1 6	Maintenance		As per IS 2190	As per IS 2190
1 7	Refilling		Once in 5 years Refilling at site by changing water and cartridge	Once in 2 years. Return to authorized recharger for recharging with Hydraulic Pressure test
1 8	Hydraulic Pressure Test		Once in 3 years	Once in 3 years. At the time of refilling.
1 9	Life of Extinguisher		10 years	10 years
2 0	Painting		Fire Red, confirming to shade No. 536 of IS: 5	Fire Red Fire Red, confirming to shade No. 536 of IS: 5
2 1	Marking			
a		<i>Standard marking</i>	IS: 15683	IS: 15683
b		<i>Name of the manufacturer or trade mark if any</i>		
c		<i>Year of manufacture</i>		

<b>S l · N o ·</b>	<b>Particulars</b>	<b>Details</b>	<b>Requirement</b>	<b>Requirement</b>
			<b>Water CO<sub>2</sub> Cartridge Type</b>	<b>Water CO<sub>2</sub> Stored Pressure Type</b>
<b>d</b>		<i>Serial number</i>		
<b>e</b>		<i>Type of extinguisher</i>	Water CO <sub>2</sub> Cartridge Type	Water CO <sub>2</sub> Stored Pressure Type
<b>f</b>		<i>Capacity of extinguisher</i>	9 Ltr	9 Ltr
<b>g</b>		<i>A declaration to the effect that the body of the extinguisher has been tested to a pressure of</i>	30 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
<b>h</b>		<i>Picture showing method of operation</i>		
<b>i</b>		<i>Method of operation in prominent letters</i>		
<b>j</b>		<i>The extinguisher shall be marked with letter indicating their suitability for respective classes of fires</i>	Class A	Class A



**EMPANELMENT OF FIRE SAFETY AUDITORS/FIRE SAFETY CONSULTING FIRMS FOR CONDUCTING FIRE SAFETY AUDIT OF BANK BUILDINGS/ PREMISES**

**1. QUALIFICATION FOR FIRE AUDITORS:**

- a) Should have passed Station Fire Officers Course from National Fire Service College (NFSC), Nagpur or any equivalent organization and having minimum (05) years related experience in fire safety in the preceding years.

OR

- b) A retired Fire Officer or Security Officer from SBI provided they are not barred from re-employment in the Bank.

OR

- c) A retired Fire Officer from any PSB or PSU of the Govt. of India, who has dealt with building fire safety,

AND

- d) Should be less than 70 years age as on - /- /2018 and medically fit to undertake the task (medical fitness certificate to be enclosed).

**2. QUALIFICATION FOR FIRE CONSULTING FIRMS:**

- a) Should have an average annual turnover of not less than Rs. 30 Lakh during the past 3 years, ending on 31st March 2018 i.e. 2015-16, 2016-17 & 2017-18 for ***fire related consultancy and advisory services and not from sale of firefighting equipment***, verifiable from audited balance sheet, if otherwise, CA certificate to this effect may be submitted with the balance sheet along with copies of the last 03 years Income Tax returns.
- b) Provide list of the technical staff with their qualification certificates in respect of Fire Safety should be enclosed.
- c) Fire auditors detailed by the firm for fire audit in SBI should have qualification as mentioned at Para A (a) above. The firm shall provide the certificates to this effect to the fire auditors detailed by them, on their company letter head /pad, duly verified and countersigned by the Fire Officer of the Circle.

**3. Mandatory Requirement For Fire Consulting Firms/ Individual Fire Auditors:**

- a) **Consulting Firms should mandatorily have an Office in the State of Maharashtra / Goa from last 01 years**

- b) Firms must have adequate infrastructure in terms of office and technically qualified staff for the job to be executed in the State of Maharashtra. A copy of letter of the undertaking containing addresses is enclosed as **Appendix - ----**.
  - c) Individual fire auditors must be resident of Maharashtra/ Goa for a period of last one year.
4. Responsibility of The Fire Auditing Firm/ Fire Auditors:
- (a) Auditing Firm/ Fire Auditors will carry out fire audit of the branches/ Offices as per Bank instructions and format provided by the bank.
  - (b) Auditing Firm/ Fire Auditors will submit hard copy of the branch audit report duly certified by the Branch Manager and soft copy (in excel) in triplicate as under:
    - (i) Branch Manager    (ii) Zonal Security Officer    (iii) Fire Officer at LHO
5. **Accountability of the Auditing Firm/ individual Fire Auditor:** In case any Branch / Office of the Bank incurred loss due to fire incident and the cause of fire ascertained to be unprofessional / inappropriate fire audit done by the auditing firm or by individual fire auditor, bank may initiate appropriate action as deemed fit.
6. **SCOPE OF WORK FOR FIRE SAFETY AUDIT**
- (a) Fire Safety Audit of branches/offices shall be carried out as per the prescribed format provided by the bank.
  - (b) The fire safety audit should be carried out with the view of the following points and standards like National Building Code-2016, IS: 2189, IS: 2190, IS: 15683 etc.
  - (c) The audit report should be comprehensive of all the particulars and important points are as under:
    - (i) Total Carpet Area (Sq ft.), Classification of Building and Electrical Load (in KW).
    - (ii) General Housekeeping & Fire Load.
    - (iii) Storage racks in Stationary/Record room kept at a safe distance from electrical points / switch / junction boxes.
    - (iv) Physical inspection of the building with reference to applicable Indian Standard, State Fire Safety norms, NBC 2016, other relevant codes of Practice & Identifying fire hazards.
    - (v) All fixed Fire Fighting Installation of building (e.g. Hydrant, wet riser, sprinkler, hose reel hose etc.).
    - (vi) Review & Testing of protection device/system of all fire installations in the building like Automatic Fire Detection & Alarm system/fire extinguishers etc and their details of validity of Annual Maintenance Contract (AMC).

- (vii) Requirement for the server and ups room (Server & UPS room's walls, False Ceiling, Fire resistant doors, Timer device of AC Units).
- (viii) Exit and Evacuation Preparedness.
- (ix) Inventory of fire extinguishers and their servicing and maintenance record.
- (x) Training of staff and security personnel from the fire safety point of view.
- (xi) Checking and raising awareness of Staff members/ employees occupying the premises.
- (xii) Review of flammable substances in the Premises like LPG gas cylinder used in Pantry etc.
- (xiii) Operational Procedures and efficiency of Diesel Pump, Jockey Pump.
- (xiv) Inspection and authentication of Installed Fire Suppression System; i.e. Fire Pumps, Sprinkling System, Fire Lines, Valves, Hoses, Hydrants and Hose reels.
- (xv) Inspection of Fire Extinguishers and Automatic Fire Detection and Alarm system.
- (xvi) Testing should be done appropriately with help of internal team of the Bank staff.
- (xvii) Verification of occupants' response to FIRES, and their capacity to handle FIRE.
- (xviii) Review of Escape Routes and Signage etc.
- (xix) Review of Occupants' knowledge on the use of Fire extinguishers.
- (xx) Electrical fire safety should be checked, some of the points are as under:
- (xxi) Main Supply Switch / MCB to cut-off the electric supply to entire branch has been marked and known to security guard / branch staff.
- (xxii) Whether MCCB/MCB/ELCB is provided and apparently in order.
- (xxiii) All equipment like Air Conditioning units, Distribution / Junction boxes, Server, Computer units etc have been given supply through an MCB (Miniature Circuit Breaker) of proper capacity.
- (xxiv) Are electrical wires properly covered /insulated to prevent short circuiting etc.?
- (xxv) Are wires properly attached to fixtures, plugs, circuit breakers, and other equipments?
- (xxvi) Are electrical covers in place for junction boxes Outlets and panel boards?
- (xxvii)** Electrical audit last carried out.

**ANNEXURE- “I”****BILL OF QUANTITY FOR COMMERICAL (INDICATIVE) BIDS**

<b>S.No</b>	<b>Name of Security Equipment</b>	<b>BOQ</b>	<b>Remarks</b>
(i)	Security Alarm System	<b>Annexure- “I-1”</b>	
(ii)	Biometric Access Control System	<b>Annexure- “I-2”</b>	
(iii)	CCTV System	<b>Annexure- “I-3”</b>	
(iv)	Time Lock	<b>Annexure- “I-4”</b>	
(v)	Automatic Fire Detection & Alarm System	<b>Annexure- “I-5”</b>	
(vi)	Fire Extinguishers	<b>Annexure- “I-6”</b>	
(vii)	Fire Auditors	Format for Commercial bids will be provided to the short listed Vendors	

**BOQ: Security Alarm System**

<b>S. No</b>	<b>Item (As items must be as per given specifications)</b>	<b>Make and Model</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total Price</b>
1.	4 Zone wired microprocessor base day & night mode control Panel with inbuilt Auto dialler). CMS compatible.		01		
2.	8 Zone wired microprocessor base day & night mode control Panel with inbuilt Auto dialler). CMS compatible.		01		
3.	Rate of additional zone. 01		01		
4.	Provision for remote control facility with 03 remote switches (optional).		01		
5.	Additional remote switch		01		
6.	Panic Switches		08		
7.	1" Rigid PVC conduit 2 mm thickness		50 mtrs		
8.	2" Rigid PVC conduit 2 mm thickness		25 mtrs		
9	PIR Sensors		02		
10	Magnetic Sensor		02		
11	Multi-function Sensor:		01		
	(a) Vibration Sensor				
	(b) Glass break sensor				
12	Hooters – (Indoor and Outdoor)		02		
13	Wires 2 Core Multi strand .75 sq. mm.		100 mtrs		
14	Wires 2 Core Multi strand 1 sq. mm.		50 mtrs		
15	Installation charges including packing/ forwarding/ transportation/ labour and commission charges (all inclusive)		01		
16	Shifting and re-installation charges to alternative premises		01		

17	Comprehensive AMC charges per year for 03 yrs post warranty				
18	Buyback offer of existing unit excluding hooter and motorized siren		01		
19	Rechargeable maintenance free battery- (12v 7A) Exide or Amaron or Amco or Tata or equivalent with buy back of old battery.		01		

**BOQ: FOR BIOMETRIC ACCESS CONTROL SYSTEM**

S.No	Description of items	Make and Model	Qty	Unit Price	Total Price
1.	Biometric Access control system. Real Time Finger Print recognition as well as Key Verification (Password: 4 to 8 digit). Simultaneous Access Control & recording capacity of 90 (Ninety) days with Standard Software or records transaction logs of 1,00,000& DC Power Supply Unit & Buzzer Interface Module. Dual verification authentication facility.		01		
2.	Electronic magnetic lock 1200 lbs		01		
3.	Exit switch metal		01		
4.	Tamper proof box		01		
5.	Exigencies switch ( Panic/emergency switch)		01		
6.	RFID Card 125 KHz		15		
7.	PVC Conduit (IS-9357-1983, Internal Dia 20"+, - "1), ISI Marked (IS-694,1990)		10 mtrs		
8.	Power Cable: unarmoured, 3 core 1.5. sq mm, FRLS (Finolex/ Incab/ Polycab/ Havel), ISI Marked (IS-694,1990) Connected to branch UPS		10 mtrs		
9.	Shifting and re-installation charges to alternative premises				
10.	Installation charges including packing/ forwarding/ transportation/ labour and commission charges (all inclusive)				
11.	Buy back offer of old biometric Access Control system				
12.	AMC charges per year for 01 yrs post warranty				

Commercial Bid Details:

1. Price quoted shall be for a total package for a branch, which shall include the items as per the list given below including the comprehensive AMC charges per year for 02 yrs (Post warranty).
2. This rate list shall form the basis for additional requirements of the items, if any in future.



**RATES FOR THE CCTV SYSTEM (A)**

S. No.	Item Description	Make / Model No	Unit	Unit Price	Total Price
01	4 channel		1No		
02	8 channel		1No		
03	16 Channel		1No		
04	HD Varifocal Dome IR camera		4No		
05	HD Varifocal Bullet IR camera		4No		
06	IP IR varifocal Dome camera with SD card support WDR		4No		
07	IP IR varifocal Bullet camera with SD card support WDR		4No		
08	4 Channel Mobile Van DVR with screen		1No		
09	Cash van camera		1No		
10	Pin hole camera		1No		
11	Amplified DVR microphone		14No		
12	HDD 2TB (Surveillance Grade)	WD Purple / Seagate Skyhawk	1No		
13	HDD 4TB (Surveillance Grade)		1No		
14	HDD 6TB (Surveillance Grade)		1No		
15	HDD 8TB (Surveillance Grade)		1No		
16	Micro SD card 64 GB for IP camera (Class 10 & above)		1No		
17	Micro SD card 128 GB for IP camera (Class 10 & Above)		1No		
18	19" LED Colour Monitor with HDMI & VGA support		1No		
19	21" LED Colour Monitor with HDMI & VGA support		1No		
20	Cable Co axial (RJ-6 cable)		100 Mtr		
21	2 core 1mm Cable Power		100 Mtr		

22	Microphone cables 1mm		50 Mtr		
23	(a) Conduit PVC pipes 1mm		75 Mtr		
	(b) Conduit pie 1.5 mm				
26	6 U Rack		1No		
27	SMPS 12 Volt DC 10 amps		4No		
28	SMPS 24 Volt DC 10 amps		4 No		
	DVR Rack				
	(e) For Branches				
29	(f) For ATMs				
30	AMC Charges per year, Post Warranty for 03 years	4 Channel DVR	-----		
		8 Channel DVR			
		16 Channel DVR			
31	UPS Pure Sine Wave output, 600VA capacity 230 Volt with Battery (03 years warranty) standard brand.	Numeric/Microtech/L uminous/ Sukam /V-Guard with Battery of Exide/ Amron/ Amco or equivalent	01	If any	
32	Installation charges				
33	Shifting and re installation charges to alternative site				
34	Buy back old DVR 4 channel		1No		
35	Buy back old DVR 8 channel		1No		
36	Buy back old DVR 16 channel		1No		
37	Buy back old camera analog		1No		
38	Buy back old camera IP		1No		
39	Buy back old camera HD		1No		
40	Buy back old camera IR		1No		
41	Special visit for downloading video back up assistance for branch				
42	<b>Total Package Cost to Bank</b>	-----	-----		

## CLOSE CIRCUIT TELEVISION SYSTEM (NVR) (B)

S · N o	Item	Quantity	Make	Unit Rate	Total amount t
1	NVR 4 channel 2 SATA	01			
2	NVR 8 channel 2 SATA	01			
3	NVR 16 channel 8 SATA	01			
4	NVR 32 channel 8 SATA	01			
5	Dome camera IP IR varifocal camera	08			
6	Bullet IP IR varifocal 1080 P camera	08			
	Cat 6 cable	100 mtrs			
7	POE switch 5 channel	01			
8	POE switch 8 channel	01			
9	POE switch 24 channel	01			
1 0	AMC Charges per year, Post Warranty for 02 years	4 Ch NVR			
1 1		8 Ch NVR			
1 2		16 Ch NVR			
1 3	Installation charges				
1 4	Shifting and re installation charges to alternative site				
1 5	1" Rigid PVC conduit 2 mm thickness	50 mtrs			
1 6	2" Rigid PVC conduit 2 mm thickness	50 mtrs			
1 7	6U Rack	01			
1 8	Comprehensive AMC charges per year for 03 yrs post warranty (including existing				

	systems)				
1 8	Miniature Circuit Breaker (MCB)	01			
1 9	Total Cost of the System				

**BOQ: FOR TIME LOCK**

S.No	Description of items	Make and Model	Qty	Unit Price	Total Price
1.	Cost of Complete Unit of Time Lock				
2.	PVC Conduit (IS-9357-1983, Internal Dia 20"+, - "1), ISI Marked (IS-694,1990)		10 mtrs		
3.	Power Cable: unarmoured, 3 core 1.5. sq mm, FRLS (Finolex/ Incab/ Polycab/ Havel), ISI Marked (IS-694,1990) Connected to branch UPS		10 mtrs		
4.	Shifting and re-installation charges to alternative premises				
5.	Installation charges including packing/ forwarding/transportation/ labour and commission charges (all inclusive)				
6.	Buy back offer of old Time Lock control system				
7.	AMC charges per year for 01 yrs post warranty				
8.	AMC Charges for electromagnetic Time Locks				

**BOQ: AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFDS) PACKAGE & UNIT RATE****AUTOMATIC SMOKE DETECTION AND FIRE ALARM SYSTEMS**

SR. NO .	Equipments / items As per Specification	QUANTITY	UNIT RATE (Excludi ng Govt taxes) Rs	Total (Excluding Govt taxes) Rs
1	Fire Alarm Control Panel (FACP) 4 Zone with Battery & inbuilt auto dialer (GSM base)	01		
2	Cost of Additional Zone of FACP	01		
3	PSTN Based automatic voice dialer, 5 Tel number	01		
4	Battery	01		
5	Manual Call Point (MCP)	05		
6	Electronic Hooter /Sounder	04		
7	Response Indicator (RI)	10		
8	Smoke Detector (Ionization) with original base	40		
9	Smoke Detector (Optical) with original base	10		
10	Heat Detector (Fixed Temperature cum rate of rise type) with original base	10		
11	Junction Box (metal)	60		
12	Armored Cable ISI Mark	100 Meter		
13	2 Core Multistrand Insulated electrical wire 1.5sq mm ISI Mark	100 Meter		
14	Telephone cable	50 Meter		
15	Casing & Capping per running meter	100 Meter		

**BOQ: FIRE EXTINGUISHERS**

LIST OF ITEMS					
	<b><u>FIRE EXTINGUISHERS : SPECIFICATIONS</u></b>				
<b>S. No.</b>	<b>Item</b>	<b>Specification</b>	<b>Quantity</b>	<b>Brand/ Model</b>	<b>Rate per Unit (Basic rate inclusive of supply, delivery , installation charges), (Exclusive of GST) Rs</b>
1	<b>Water CO2"squeeze</b> Grip (Cartridge type) 9 Lts. capacity fire extinguishers	IS:15683	01		
2	<b>Water CO2"</b> (Stored Pressure type) 9 Lts. capacity fire extinguishers	IS:15683	01		
3	<b>Water CO2"</b> – Trolley Mounted 50 Lts. capacity fire extinguishers	IS:13385	01		
4	Dry Chemical Powder(DCP) <b>ABC-</b> Stored pressure type – 2Kg capacity fire extinguishers	IS:15683	01		
5	DCP Squeeze Grip <b>Cartridge type (BC)</b> <b>4Kg</b> capacity fire extinguishers	IS:15683	01		
6	DCP Squeeze Grip Cartridge type (BC) <b>6Kg</b> capacity fire extinguishers	IS:15683	01		

7	DCP Squeeze Grip Cartridge type (BC) <b>9Kg</b> capacity fire extinguishers	IS:15683	01		
8	<b>Carbon Dioxide</b> type <b>3Kg</b> capacity with wheel fire extinguishers	IS:15683	01		
9	Carbon Dioxide type <b>4.5Kg</b> capacity (with wheel) fire extinguishers	IS:15683	01		
10	Carbon Dioxide type <b>22.5Kg</b> capacity (with trolley) fire extinguishers	IS:2878	01		
11	Stored Pressure <b>Modular</b> ABC powder type Fire Extinguishers 5 kg capacity		01		
	<b>Refilling</b>				
12	<b>Refilling</b> Water CO2" squeeze Grip (cartridge type) 9 Lts. capacity	IS:15683	01		
13	<b>Refilling Water CO2"</b> (Stored Pressure type) 9 Lts. capacity fire extinguishers	IS:15683	01		
14	<b>Water CO2"</b> – Trolley Mounted 50 Lts. capacity fire extinguishers	IS:13385	01		
15	Refilling Dry Chemical Powder(DCP) ABC- Stored pressure type – 2Kg capacity	IS:15683	01		
16	Refilling DCP Squeeze Grip Cartridge type (BC) 4Kg capacity	IS:15683	01		
17	Refilling DCP Squeeze Grip Cartridge type (BC) 6Kg capacity	IS:15683	01		
18	New DCP Squeeze Grip Cartridge type (BC)	IS:15683	01		



	<b>9 Kg</b> capacity fire extinguishers				
19	Refilling Carbon Dioxide type <b>3 Kg</b> capacity	IS:15683	01		
20	Refilling Carbon Dioxide type 4.5Kg capacity	IS:15683	01		
21	Refilling Carbon Dioxide type <b>22Kg</b> capacity	IS:15683	01		
22	Refilling of stored pressure <b>Modular</b> ABC powder type Fire Extinguishers 5 Kg capacity		01		
23	Refilling of old Water type 9 litre capacity (with cartridge)	IS:940	01		
24	Refilling of old DCP, 5 Kg capacity (with cartridge )	IS:2171	01		
25	Refilling of old Foam type 9 litre capacity		01		
26	Servicing / Cleaning of portable fire extinguishers (Yearly Once ) Per fire extinguishers – all type		01		
	<b>Hydraulic Pressure Testing As per IS 2190 – 2010 &amp; IS 15683 – 2006</b>				
27	Water type 9 Liter / DCP type extinguishers 4/5/6 Kg capacity (For all types of portable fire extinguishers)		01		
28	Carbon Dioxide type extinguishers capacity 2Kg/3kg/4.5Kg/6.5Kg etc For all types of portable CO2 fire extinguishers)		01		
29	Carbon Dioxide type extinguishers capacity 9Kg/22.5kg		01		

	etc (For all types of portable CO2 trolley mounted fire extinguishers)				
30	Old Foam type 9 litre capacity		01		
	<b>Accessories</b>				
31	Discharge Horn with bend for CO2 - 2/3 Kg capacity		01		
32	Discharge Horn for CO2 - 4.5 Kg / 22.5 Kg capacity		01		
33	High pressure Rubber hose with both end coupling for CO2 - 4.5Kg capacity		01		
34	High pressure Rubber hose with both end coupling for CO2 - 22.5Kg capacity		01		
35	Gun metal cap for old Water type 9 lit capacity		01		
36	Gun metal cap for old DCP type 5 kg capacity		01		
37	Gun metal cap for old Foam type 9 lit capacity		01		
38	Anticorrosive powder per Water type fire extinguishers		01		
39	Cap Washer for Water type fire extinguishers		01		
40	Painting & Labelling of old fire extinguishers.		01		
41	Floor Metal (MS) Stand to retain the portable single fire extinguishers		01		
42	Buy back rate of existing very old <b>Water / Powder type</b> portable extinguishers whose life has been exhausted as per IS:		01		

	15683-2006(after cutting damaging the body of the extinguishers)				
43	Buy back rate of existing very old <b>Carbon Dioxide gas type</b> portable extinguishers whose life has been exhausted as per IS: 15683-2006(after cutting damaging the body of the extinguishers)		01		
				Grand Total	

**SPECIMEN CERTIFICATE**

<b>S.NO</b>	<b>SPECIMEN CERTIFICATE</b>	<b>ANNEXURE –“J”</b>
1	INSTALLATION OF SECURITY EQUIPMENT	<b>ANNEXURE -J1</b>
2	ANNUAL MAINTENANCE CERTIFICATE CCTV	<b>ANNEXURE -J2</b>
3	ANNUAL MAINTENANCE CERTIFICATE SECURITY ALARM	<b>ANNEXURE -J3</b>
4	ANNUAL MAINTENANCE CERTIFICATE FIRE ALARM	<b>ANNEXURE -J4</b>
5	ANNUAL MAINTENANCE CERTIFICATE FIRE EXTINGUISHERS	<b>ANNEXURE -J5</b>

The format mentioned above is only suggestive and SO may devised their own certificates to suit their local requirements. \_

**INSTALLATION CERTIFICATE (IN TRIPLICATE): SECURITY EQUIPMENT**(One copy each to BM, ZSO & Along with the Bill)

It is hereby certify that \_\_\_\_\_ system has been installed at the Branch/office on \_\_\_\_\_ and the system is working satisfactorily. All the items as per Invoice No. \_\_\_\_\_ Dated \_\_\_\_\_ (given hereunder) have been installed in the branch and physically verified by the Branch Manager / officer concern.

S.No	Item Name	Make	Model	Serial No	Quantity

Working and mode of the operation of the system had been explained to the following staff members':

S.No	Name	Designation	signature

Signature:

Name of Technician;

Mobile No:

Date:

**BM Certificate**

This is to certify that Mr \_\_\_\_\_ of M/s \_\_\_\_\_ (Vendor name) has Installed \_\_\_\_\_ System (as above) in our Branch. The system has been installed properly and has been working satisfactorily.

Date:

Place:

Stamp of Branch

Signature of BM

Name of BM

Mob No.

**ANNUAL MAINTENANCE CERTIFICATE (IN TRIPLICATE): CCTV**

Name of the Branch:

Name of branch Manager:

Landline Phone No with STD Code.:

Date of Visit:

This is to certify that CCTV installed at the branch has inspected by me. The following equipments/ items installed in the branch have been serviced and found to be in working condition / out of order.

S . N o	Equipment Details	Nos	Make & Model & Serial No	Function Report	
1	DVR				
	No of Channels				
2	Cameras				
	IR Dome				
	IR Bullet				
	Auto IRS				
	Any Other Type				
4	Hard Disk			Capacity	
5	No of Days of recording				
6	Monitor			Size	
7	Put on Motion Detection	Yes/ No			
8	Picture Quality Day	Excellent/ Good/ Satisfactory/ Poor			
9	Picture Quality Night	Excellent/ Good/ Satisfactory/ Poor			
10	Power Backup Arrangements	Branch UPS/ Separate UPS			
11	Status of System and final comments				

It also certified that following officers/staff of the branch have been explained the functioning of CCTV system:

S.No	Name	Designation	signature

Signature:

Name of Technician;

Mobile No:

Date:

**BM Certificate**

This is to certify that Mr\_\_\_\_\_ of M/s \_\_\_\_\_ (Vendor name) has serviced the branch CCTV System in our presence. The system installed in the branch is found to be in working condition / out of order.

Date:

Place:

Stamp of Branch

Signature of BM

Name of BM

Mob No.

**ANNUAL MAINTENANCE CERTIFICATE (IN TRIPLICATE): SECURITY ALARM**

Name of the Branch:

Name of branch Manager:

Landline Phone No with STD Code:

Date of Visit:

This is to certify that Electronics Alarm (Security) Alarm System installed at the branch has inspected by me. The following equipments/ items installed in the branch have been serviced and found to be in working condition / out of order.

S.No	Equipment	Equipment Details		Function Report
1	Control Panel	Make & Model		
2	Panic switches	Wireless/ Wired		
.		No of Panic Switches		
3	PIR	Make Model		
.		No of PIR		
.		Location of PIR		
4	Magnetic Switch	Provided/ Not Provided		
5	Battery Back-Up	Yes/ No		
6	Battery	Date of Installation / replacement		
7	Auto dialer	Landline/ GSM	Nos' fed: RM/ SO/ BM/ Acct/ Guard/ Police Stn/Other	
8	Light Sensor	Provided/ Not Provided	No of Lights Attaches	
9	Hooter	No. of hooter		
.		Decibel		
10	Night Mode	Working/ Not working		
11	Other Sensor (Specify)			
12	Status of System & final comments			

It also certified that following officers/staff of the branch have been explained the functioning of security alarm system:

S.No	Name	Designation	signature

Signature:

Name of Technician;

Mobile No:



Date:

**BM Certificate**

This is to certify that Mr\_\_\_\_\_ of M/s\_\_\_\_\_(Vendor name) has serviced the Security Alarm System installed in the branch in our presence. The system installed is found to be in working condition / out of order.

Date:

Place:

Stamp of Branch

Signature of BM

Name of BM

Mob No

**ANNUAL MAINTENANCE CERTIFICATE (IN TRIPLICATE): FIRE ALARM**

Name of the Branch:

Name of branch Manager:

Landline Phone No with STD Code.:

Date of Visit:

This is to certify that Fire Alarm System installed at the branch has inspected by me. The following equipments/ items installed in the branch have been serviced and found to be in working condition / out of order.

S.No	Equipment Details	Nos	Make & Model & Serial No	Function Report
1	Cntrl Panel			
2	Detectors			
	Smoke detector Ionization			
	Smoke Detector Optical			
	Heat detector			
3	Battery Back-up	Yes/ No		
4	No of batteries			
5	Date of Installation/ last change of battery			
6	Manual Call Pt			
7	Response Indicator			
8	Auto Dialer			
9.	Hooter	No. of hooter		
		Decibel		
10.	Other Sensor (Specify)			
11.	Status of System and final comments			

It also certified that following officers/ staff of the branch have been explained the functioning of security alarm system:

S.No	Name	Designation	signature

Signature:

Name of Technician;

Mobile No:

Date:

**BM Certificate**

This is to certify that Mr\_\_\_\_\_ of M/s\_\_\_\_\_(Vendor name) has serviced the Fire Alarm System installed in the branch in our presence. The system installed in the branch is found to be in working condition / out of order.

Date:

Place:

Signature of BM

Name of BM

Stamp of Branch

Mob No.

**Annexure 'J5'**

**ANNUAL MAINTENANCE CERTIFICATE (IN TRIPLICATE):**  
**FIRE EXTINGUISHERS**

Name of the Branch:

Name of branch Manager:

Landline Phone No with STD Code.:

Date of Visit:

This is to certify that Fire Extinguishers installed at the branch has inspected by me. The following fire extinguishers installed in the branch have been serviced / refilled and found to be in working condition / out of order.

S - N o	Equipment Details	N o s	Make & Serial No	Date of Last Refilling	Date of Next Refilling
1	Water CO2 9 Ltrs				
2	CO2				
	3 KG				
	4.5 KG				
	9 KG				
	22.5 KG				
3	DCP 5 KG				
4	ABC				
5	Any Other				

It is also certified that following officers/ staff of the branch have been imparted training in the handling and use of fire extinguishers:

S.No	Name	Designation	signature

Signature:

Name of Technician;

Mobile No:

Date:

**BM Certificate**

This is to certify that Mr\_\_\_\_\_ of M/s\_\_\_\_\_ (Vendor name) has refilled the Fire extinguishers installed at the branch. Old fire extinguishers have been utilized for the training of the branch staff before refilling.

Date:

Place:

Stamp of Branch

Signature of BM

Name of BM

Mob No.