



**CIRCLE OFFICE, GENERAL ADMINISTRATION SECTION**

4<sup>TH</sup> Floor, Kaushalya Chambers, P.P Compound, Mahatma Gandhi Road Ranchi- 834 001

Email: [premiseranchico@canarabank.com](mailto:premiseranchico@canarabank.com)

Tel: 97714 80991 / 0651-2330601

**REQUEST FOR PROPOSAL**

(Notice Inviting Tender)

**RFP NO. 2:SEC EQPT-RFP:2/2024 dated 28/10/2024**

**EMPANELMENT FOR SUPPLY/INSTALLATION/TESTING/ COMMISSIONING OF SECURITY EQUIPMENT SERVICE PROVIDERS (CCTV SYSTEM, ELECTRONIC FIRE ALARM SYSTEM, ELECTRONIC BURGLAR ALARM SYSTEM, AUTO DIALER, ACCESS CONTROL EQUIPMENT, ACCESS AUTHORIZATION EQUIPMENT INCLUDING BIOMETRIC ACCESS CONTROL (BACS) SYSTEMS & FIRE EXTINGUISHERS ETC. IN VARIOUS BRANCHES/ATMs/ADMINISTRATIVE OFFICES OF CANARA BANK CIRCLE OFFICE RANCHI**

NOTICE TYPE : DOMESTIC TENDER NOTICE  
AUTHORITY TYPE : PUBLIC SECTOR BANK

**ISSUED BY**

**ASST. GENERAL MANAGER  
CANARA BANK, CIRCLE OFFICE, 4<sup>TH</sup> FLOOR, KAUSHALYA CHAMBERS,  
P.P. COMPOUND, M.G. ROAD, RANCHI-834001**

Email: [premiseranchico@canarabank.com](mailto:premiseranchico@canarabank.com)

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**EMPANELMENT DOCUMENT**

**(Document Fee - Rs. 590.00, by the way of non-refundable DD in favor of Canara Bank, Circle Office Ranchi payable at Ranchi)**

This document consists of the following.

- a. Notice inviting applications for empanelment of security equipment (CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers etc.) in Ranchi Circle.
- b. Earnest Money Deposit (EMD)
- c. General rules and instructions to the intending applicants.
- d. Scope, Eligibility criteria, Cost limit and related details
- e. Application format for empanelment
- f. Check list of documents to be submitted
- g. Financial bid

**NOTICE FOR EMPANELMENT**

General Administration Section of Canara Bank, Circle Office, Ranchi is managing Bank's branches/office premises at various locations of the state of Jharkhand. The intention of this notice of empanelment is to maintain a separate panel of Security Equipment suppliers and service providers for Supply, Installation, Testing & Commissioning including service of Security Equipment viz. CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers etc. in Canara Bank Ranchi Circle, as and when required by the bank.

**Note:** The panel will be valid only for the state of Jharkhand.

**EARNEST MONEY DEPOSIT**

The bidder shall have to deposit earnest money in the form of DD/BG of Rs. 50,000.00 (Rupees Fifty Thousand only) for CCTV/Burglar and Fire Alarm System and Rs. 20,000.00 (Rupees Twenty Thousand only) for Fire Extinguishers in favor of Canara Bank, Circle Office Ranchi. It should be valid for one year from last date of submission of bid. The period of EMD

can be extended further as per Bank's requirements with reference of RFP processing. Format of EMD/Bank Guarantee may be obtained from Circle Office, Ranchi.

The EMD shall be released/ returned to all the bidders except successful bidders after finalization of Empanelment process. **In case of successful bidders, the EMD shall be released after receipt of requisite Performance Guarantee (eg 3 % of total work order value for 3 years).** In case of un-successful bidders, EMD shall be returned to any representative from the firm on production of authority letter & Receipt in Company Letter Head, authorized by Signatory Specified in the Bid Document. Proper receipt in letter head signed by the Authorized Signatory & specifying the authorization letter. The EMD submitted to the Bank may be invoked and amount forfeited in case the bidder backs out from the offers made by it under empanelment process after being declared as successful Security Vendor.

If any firm is exempted by the Govt. Authorities with regard to registration with NSIC/ MSME etc, notarized copy of these sanctions issued by such authority in the name of the firm shall be enclosed. In case any financial limit is specified in the sanction, the Firm shall submit an undertaking that the sanction is still valid as the limit is not exhausted.

**GENERAL RULES AND INSTRUCTIONS TO THE INTENDING APPLICANTS**

1. Details of RFP: -

|    |  |  |
|----|--|--|
| a. | Name of the Work                           | Empanelment for Supply/Installation/Testing/Commissioning of Security Equipment Service Providers (CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers etc. |
| b. | Location of Work                           | Various locations of Branches / ATMs / Administrative Offices coming under Circle Office Ranchi.   |
| c. | Issue of tender document                   | 28.10.2024   |
| d. | Last date of submission of pre-bid queries | 10.11.2024 till 05:00 pm   |
| e. | Pre-bid meeting                            | 11.11.2024 04:00 pm  |
| f. | Last date of submission of Tender          | 18.11.2024 till 05:00 pm   |

Signature of authorized signatory

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|    |  |   |
|----|--|---|
| g. | Opening of Technical bids  | 20.11.2024  |
| h. | Demonstration of all Security Equipment (as mentioned in notice) including Fire Extinguishers as per technical specifications of the Bank at CO Ranchi | Date & time will be informed through e-mail/ letter.  |
| i. | Local address/site office visit by the Committee   | Date & time will be informed through telephone/e-mail/ letter   |
| j. | Opening of Financial bids  | Date & time will be informed only to the technically qualified bidders through e-mail/ letter.  |
| k. | Tender documents (soft copy)   | Can be downloaded free of cost from Canara Bank's web site & Central Public Procurement (CPP) portal <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> from 28.10.2024 till last date of submission<br><a href="https://canarabank.com/english/announcements/">https://canarabank.com/english/announcements/</a> & <a href="https://eprocure.gov.in">https://eprocure.gov.in</a> |
| l. | Validity of the offer  | The offer shall remain open for acceptance till 120 days from the date of opening.  |

2. Generally, the routine works of the Bank are awarded/procurements are made by calling competitive tenders/quotations from the empaneled contractors/ suppliers and in case of emergent works/ works of small magnitude, the Bank may opt to award the work/procure supply from any of the empaneled agencies, depending on the exigencies of the work on nomination basis and also has the right for open tendering process for any particular work, depending on the nature & magnitude of the work.
3. The details of the applicants and their experience shall be furnished in the prescribed "Application Format" only. Wherever required and if the space provided is not sufficient, particulars can be furnished in Annexures but such details shall be clearly mentioned in the respective columns of the Application Format. Applicant shall enclose latest copies of brochures and technical documentation giving additional information about the applicant. Each page of the document shall be duly signed by the Applicant or their authorized representative.

Signature of authorized signatory

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4. No costs incurred by the applicant in applying, in providing necessary clarifications or attending discussions, conferences or site visits will be reimbursed by the Bank.
5. Documentary proof with respect to the prequalification criteria shall be furnished along with the application form. In this regard, copies of the work orders and completion certificates and or such other documents shall be submitted. **Incomplete applications or applications without proper proofs for establishing their credentials will be liable for rejection and no correspondence will be entertained in this regard.**
6. If the application is made by a partnership firm, a certified copy of the partnership deed, current address of the firm and the full names and current addresses of all the partners of the firm shall also accompany the application. The authorized person of the firm/ company shall only sign in all the pages of the application with seal of the company/ firm.
7. If the application is made by a limited company, it shall be signed by a duly authorized person holding the power of attorney for signing the application in which case certified copies of the power of attorney and the certification of incorporation, Memorandum of Articles of Association shall accompany the application.
8. The empanelment will be made for a specific category depending on the credentials submitted, however, one vendor can be empaneled for the other categories as well, if they are eligible.
9. All doubts regarding the empanelment shall be clarified during pre-bid meeting and any requests for rectifying any lacunae/deficiency in the bid or supporting documents not submitted shall not be entertained and bank shall not take / allow additional documents after submission / acceptance of tender bid document.
10. The evaluation will be based on the experience, reputation, empanelment with other Banks, PSUs, Govt. institutions, manpower & logistical support of the applicant, their financial capabilities, quality consciousness, etc. and if found necessary may also include inspecting the works undertaken by them for which, necessary co-ordination shall be made by them. Technical evaluation will include assessment of documents submitted by the applicants, physical inspection of their office address/sites and physical clearance of demonstration of security/fire safety equipment at circle office Ranchi. Based on the details furnished and inspection of works, eligibility criteria, the applicants will be empaneled. Review from other Circles of our own bank, other Public Sector Banks/ Organization will also be taken for final selection of vendor.

11. In the technical specifications sheet, vendors must specify the brand/model/make as per the recommended specifications by the bank. The same brand/model/make will be shown during the demonstration by the vendors without any deviation. If any mismatch is found in the brand/model/make submitted by the vendors in technical specifications sheet and during the demonstration of the products, such vendors will be technically disqualified there itself.
12. Only those vendors who qualify the technical evaluation will be invited for opening of financial bid. Decision of the Bank regarding selection / rejection for empanelment will be final and binding and no further correspondence will be entertained. The empaneled contractors (who qualify both technical and financial evaluation) will only be informed by post/mail.
13. The applicants must furnish a certificate as an “Authorized Channel Partner” and training of their staff from the concern OEM (clearly mentioning the details of security equipment(s)/fire safety equipment for which they are channel partners and the duration since they are associated) on the letter head of OEM.
14. If the information and details furnished by applicants are found to be false at any time in future or any information withheld, which comes to the notice of the Bank at a later date, the empanelment of such applicant will be cancelled immediately.
15. The Applicants must have their office in the geographical jurisdiction of the State of Jharkhand. The vendors/contractors/suppliers having their registered/local office in the geographical jurisdiction of the Circle office (preferably in Ranchi) and sub office in the concern Regional office (will be preferred) will only be considered. Vendors/Contractors/Suppliers not having their registered/local office in the state of Jharkhand till the last date of submission of the tender for the empanelment will not be considered.
16. The empanelment shall be valid for a period of three years subject to performance review every year.
17. **Existing empaneled agency** need to apply again. If we are not getting proper response from such empaneled vendors, then Bank has the right to reject their empanelment request.
18. Canara Bank reserves its right to cancel the empanelment process anytime without assigning any reason. The bank also reserves its right to reject any / or all the applications without assigning any reasons whatsoever. In this regard, no telephonic query or any letter/ petition will be entertained.

## 19. Penalty Clause: -

| S.NO. | NATURE OF DEFAULT   | PENALTY  |
|-------|---|--|
| 1     | Failure of vendor to install CCTV/SAS/FAS at allotted sites within 02 days from date of award of work   | Rs 100/-per day  |
| 2     | Delay in attending to branch complaint (>24 hrs in urban/semi-urban areas & >48 hrs in rural areas)   | Rs 100/-per day  |
| 3     | Any delay beyond 72 hours   | Rs 500 per day   |
| 4     | CCTV Footage found less than 90 days /180 days(in branches with Safe Deposit Lockers-SDLs)  | Rs. 500/- per instance   |
| 5     | AMC of any allotted branch not attended in a particular quarter   | Penalty of the amount equivalent to the AMC amount of a quarter  |
| 6     | AMC of allotted branch not attended for 02 consecutive quarters   | Withdrawal of the branch from AMC allotment list of the vendor and allotment to any other service provider |
| 7     | Non-Adherence of any other contractual obligations, unless and until bank is informed in advance and permission in written is obtained from Bank. | Rs. 500/-per instance  |
| 8     | Any breach of contractual obligations of serious nature<br><i>Or</i>  | Rs. 1000/- per instance  |
|       | Non-responsiveness to CO's directions under the ambit of the Contractual T & C  |  |

|    |   |   |
|----|---|---|
| 9  | Highly serious violations of the Contractual obligations as well as repetition of any violation as specified above. | Withdrawal of all work awarded without any notice period / de-empanelment with forfeiture of PGs / recommending for black-listing with IBA. |
| 10 | Any other aspects specified in the RFP related to Penalty   | Penal action as per the clause referred   |

20. Sufficient security equipment stock has to be held in the office of the service provider situated in Jharkhand to enable them to install CCTV/Burglar Alarm/Fire Alarm/BACS/Fire Extinguishers etc. within 3 working days. If this clause is not adhered and there is any delay caused due to non-maintenance of stock in office based in Jharkhand, the vendor shall be barred from applying for any work under CO: Ranchi or may even be de-empaneled.
21. The security equipment service providers shall maintain on their payroll such number of technicians required so as to give the Bank the requisite service at the stipulated time. If the vendor fails to do so, the Bank reserves the right to cancel any / all the orders awarded to the vendor and /or de-empanel the vendor.
22. Circle Office Ranchi has jurisdiction over all branches, ATMs and administrative offices in the state of Jharkhand including four (04) presently functioning Regional Offices at Ranchi, Jamshedpur, Dhanbad and Hazaribagh. Separate panel of security equipment service providers will be maintained for each Regional Office and **vendors should clearly list their preference for which they should be considered**. This shall be dependent upon their sales & service network, staff location and availability, proximity to their Jharkhand office etc. Duly deliberated decision of the Bank regarding the allotment shall be final and no further representation in this regard shall be entertained.
23. A list of approved rates shall be maintained by the Bank by taking L-1 rates of all the security and fire safety equipment and components/accessories based upon the evaluation of financial bid of all those vendors who are technically qualified. Any abnormally low rates quoted with regard to the prevailing market rates may entail disqualification from participating in the tender process and may be summarily rejected by the bank.
24. In case of new installation, Bank shall have the right to entrust any empaneled vendor as per requirements with approved rates.
25. The present empanelment is mainly for works for value up to the limits mentioned in respective categories. In case of any high value / other works, Bank may undertake the works by project specific pre-qualification exercise.

Signature of authorized signatory

Seal of Company



26. Application forms be submitted in envelopes as below:

- (a) Technical bid along with supporting documents should be in sealed envelope titled as “TECHNICAL BID FOR SUPPLY, INSTALLATION AND MAINTENANCE OF SECURITY & FIRE SAFETY SYSTEMS” (Whichever Product/category is applicable).
- (b) The second envelope shall contain the “FINANCIAL BID FOR SUPPLY, INSTALLATION AND MAINTENANCE OF SECURITY & FIRE SAFETY SYSTEMS” (Whichever Product/category is applicable), shall be sealed by the vendor and shall only be opened in the presence of the applicants /their representatives, date and time of which shall be informed to them telephonically /mail, if the vendor is found technically qualified. It shall include the rates of new equipment & accessories with full set off new installation along with rates of AMC and spare parts items of CCTV system, Fire Alarm and Security Alarm systems and Fire Extinguishers.
- (c) Both the above envelopes shall then be enclosed in third envelope and shall be super scribed “APPLICATION FOR EMPANELMENT FOR ----- (clearly specify applying for which security equipment viz. CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers)
- (d) Applications found with financial bids not sealed/open shall be summarily rejected and shall not be considered for Empanelment. Applications with both ‘Technical and Financial Bid’ together in a single envelope will also get rejected. Applicants must adhere to the above para 26 (a), (b) and (c) while applying.
- (e) The tender documents must be submitted at our Circle Office address in the hard copy duly signed and stamped at each page by authorized signatory. No other mode of submission like, E-mail etc. will be accepted.
- (f) Late Bids: - *Any bid received after the deadline as prescribed by the Bank will be rejected and/or returned unopened to the Bidder, if bidder desire so.*

**SCOPE, ELIGIBILITY CRITERIA, COST LIMIT AND RELATED DETAILS**

**SCOPE OF THE WORKS**

**Supply and service of Security Equipment viz. CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access**

Signature of authorized signatory

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**Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers** - Installation of new equipment and Annual Maintenance Contract for new as well as existing Security equipment (CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems & Fire Extinguishers etc.) and buy back of existing/old “Fire Alarm System, Burglar alarm System, Auto dialer, CCTV System, Fire Fighting Equipment” installed at Branches / Offices / Chests of Canara Bank, Under Circle office Ranchi, as and when required basis. The Vendor will maintain and service all Security equipment (irrespective of Make and Model) installed earlier in the branches/ATMs & offices at the approved rates.

**ELIGIBILITY CRITERIA: -**

The suppliers/service providers should have minimum experience of 5 years in supply and service of various type of Security Equipment in each category separately, viz. CCTV System, Electronic Fire Alarm System, Electronic Burglar Alarm System, Auto Dialer, Access Control Equipment, Access Authorization Equipment including Biometric Access Control (BACS) Systems, Time Lock & Fire Extinguishers with different Capacity to Government Departments / Public Sector Undertaking /Public Sector Banks/ Central Autonomous Bodies / State Autonomous Bodies / Financial Institutions or other reputed firms and large Offices. Also the suppliers/service providers should have sufficient staff and satisfactory experience in maintenance of all type of such Security equipment systems as applicable. If Bank requires imported Security items then the vendor should have the direct dealership of the products through the OEM, which needs to be supplied.

For the above purpose, Vendors/Firms shall submit proof of documents along with the Tender. If Vendors/Firms/Suppliers are not submitting documentary proof and/or not conforming to any of these parameters will not qualify for empanelment or short listing.

Key eligibility criteria with documents required are furnished below:

| <b>S. NO</b> | <b>ELIGIBILITY CRITERIA</b>   | <b>DOCUMENTS REQUIRED</b>  |
|--------------|---|--|
| 1.           | The applicant must be empaneled with Govt. organizations, central autonomous bodies, state autonomous bodies PSUs, Govt. Banks etc. The firm should be registered/licensed with appropriate government authority. | Copy of a valid empanelment sanction.<br>Copy of Registration/incorporation certificate.<br>Copy of license. |
| 2.           | The applicant must have experience in related works of at least 5 years as on 31.03.2024.   | Copy of work orders prior to not earlier than 2 years from 31.03.2024.                                       |

|                  |   |  |
|------------------|---|--|
| <p><b>3.</b></p> | <p>The applicant must have carried out following cost of works during the last 3 years as on 31.03.2024.</p> <p>a. One work/project costing 80% of the category cost limit.</p> <p>b. Two works/projects costing 50% of the category cost limit.</p> <p>c. Three works/projects costing 40% of the category cost limit.</p> | <p>Copies of work orders and work completion certificates.</p>   |
| <p><b>4.</b></p> | <p>The applicant must have average annual turnover of at least 30% of the category cost limit for last three financial years i.e. 21-22, 22-23 &amp; 23-24.</p>   | <p>The Vendors/Firms/Suppliers should have earned profit consecutively during the last three years. Copy of CA certificate certifying the average annual turnover for last three financial years i.e. 21-22, 22-23 &amp; 23-24. Copies of Audited Balance sheet and P/L A/c statement.</p>   |
| <p><b>5.</b></p> | <p>The applicant must have a solvency certificate of at least 10 lakhs.</p>   | <p>Copy of solvency certificate issued by the applicant's bank. The Solvency Certificate not older than six months shall be issued by any scheduled or commercial Bank, addressing to "The AGM, Canara Bank General Administration Section Circle Office Ranchi" and clearly specifying the RFP Number in the Subject Line or Matter. Solvency Certificate if not submitted as specified here like RFP number would be considered as non-responsive, incomplete and shall be out rightly rejected.</p> |
| <p><b>6.</b></p> | <p>The applicant should be an assessee of Income Tax and must possess GST Registration.</p>   | <p>Copy of PAN card &amp; GSTIN Registration certificate.</p>  |

**CATEGORIES AND COST LIMIT: -**

The Categories & Cost limits are furnished below.

| S. No. | Particulars                     | Category B  | Category C  | Category D  |
|--------|---------------------------------|-------------|-------------|-------------|
|        |                                 | Upper limit | Upper limit | Upper limit |
| 1.     | CCTV/FAS/BAS/Fire Extinguishers | 20.00 lacs  | 10.00 lacs  | 5.00 lacs   |

**Note:** Contractors/firms empanelled under Category D will be under scrutiny by the bank for 1 year with regard to their workmanship, quality, timeliness and other related parameters. If found satisfactory/favourable they may be upgraded to higher categories in the future empanelment exercises as per their application. If found contrary/unfavourable they may also be removed from the panel list in future.

**FOLLOWING IMPORTANT POINTS MUST BE NOTED:**

1. Firms should be registered companies/their authorized dealers/authorized suppliers reputed in the concerned field with not less than five years dealing in the products offered. (Attested copies or original Work orders will be accepted as proof and attested copies of certificate of corporation to be submitted)
2. Product quality and Robustness: - All Products for which BIS standards exist should conform to those standards.
3. After sales service network within “Ranchi Circle office jurisdiction”. The Firm should have at least one of its office and service center functioning in Jharkhand. Firms should submit valid and acceptable address proof to prove that it has own office and service center functioning in Ranchi to apply.
4. The firm should have sufficient network of service Engineers in the Jharkhand state under the jurisdiction of Ranchi Circle Office. Details of such Service Engineers location wise must be provided.
5. The Vendors/Firms/Suppliers applying for CCTV/ Fire Alarm Systems/Burglar Alarm Systems/Fire Extinguishers should have installed/ presently looking after the Annual Maintenance for CCTV/Fire Alarm Systems/Burglar Alarm Systems/ Fire Extinguishers of at least one Public Sector Banks/ Public Sector Undertakings (other than Canara Bank). Vendor should provide reference site details in the specified annexure and they will qualify only, if the Bank get positive feedback from the quoted references. **Relevant functional work order copies of new installation/current Annual Maintenance Contract in Public Sector bank(s) must be attached by the applicants.**
6. The Vendors/Firms/Suppliers with Test report by the Circle Electronic Test Development centers or BIS certification is must. (Attested copies or original Proof, if any has to be submitted).
7. After the physical demonstration of the security equipment/fire safety equipment, if

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the Bank requests to provide another demo in another/same premises to ensure the quality of the product, the vendor should provide it without any additional charges. Demonstration shall be a compulsory part of technical evaluation.

8. Firms should have Income Tax PAN, GSTN and the latest Clearance Certificate. (Attested copies of PAN card and latest Income tax return to be submitted).
9. Firms should have Registration at local office in Jharkhand state under Shops & Establishments Act. (Attested copy of certificate to be submitted).
10. Firms should have one office with telephone and Email facility and office should be manned during the office hours. Email will be considered as valid means to report complaint and vendor is bound to attend the complaint within 24-48 hrs.
11. Firms shall not be owned or controlled by any director or officer/employee of the Bank or their relatives having the same meaning as assigned under Section 6 of the Companies Act 1956. (A certificate denying the ownership of Agency/Firm/Manufacturer/ Dealer by any director or officer/ employee of the Bank or their relatives having the same meaning as assigned under Section 6 of the Companies Act 1956 issued by the CEO or Director of the Firm to be submitted along with the Tender). Applications without such certificate will be rejected.
12. Firms should submit an undertaking (on their letter head) that they have not been “Black Listed” by any of the Govt. Authority or PSUs/PSBs duly signed by authorized signatory with company seal. Applications without such undertaking will be rejected.
13. Firms should have registration number for payment of GST (Attested copy of proof to be submitted with company seal).

### **VALIDITY PERIOD**

- (a) The empaneled Vendors/Firms/Suppliers will remain in the empaneled list of the Bank for Ranchi Circle for three years from the date of empanelment or till the completion of next empanelment period at the Bank’s own discretion (whichever is earlier). Empanelment of the Vendors/Firms/Suppliers will be reviewed after 1-year subject to service & performance standards and may be extended if required.
- (b) Empanelment will be valid only, if all eligibility criteria mentioned in the RFP are fulfilled during the entire empanelment period.
- (c) If the service provided by vendor is found to be unsatisfactory or if at any point of time during the empanelment it is found that the information provided by vendor is false, the Bank reserves the right to remove the vendor from the empanelment list without giving any notice. Bank’s decision in this regard will be final.

**Bank reserves the right to reject an offer under any of the following circumstances:**

1. Bid security (EMD) is not submitted.
2. Incomplete Offer and/or all relevant/supporting documents not attached.
3. Offer is not in conformity with the terms and conditions stipulated in this document. Specifications stipulated in RFP are not met with. However, deviations resulting in higher / superior configuration will be accepted.
4. If Technical Offer contain any price information.
5. Commercial Offer format differs from actual Commercial Offer format.
6. Or violates any terms and conditions in the RFP document.
7. Or If found that the information provided in the offer is false.

**APPLICATION FORMAT**

APPLIED FOR EMPANELMENT OF:  CCTV SYSTEM

ELECTRONIC BURGLAR ALARM SYSTEM  ELECTRONIC FIRE ALARM SYSTEM

BACS  FIRE EXTINGUISHERS

**CATEGORY** (type of work) :

1. Name of the Applicant :  
Address :

Communication Details : (\*) Mandatory fields  
Telephone Office (\*) :

:  
Mobile (\*) :  
Fax :  
E-Mail (\*) :

2. a) Status of the Firm (Whether company/ Partnership / proprietary) :

b) Name of the Proprietor/ Partners/ Directors (With professional qualifications, if any)

I)  
II)

3. Year of establishment :

3. Whether registered with Registrar of Companies/ firm. If so, No. & Date :

4. Registration with Tax Authorities:

a) Income-tax No. PAN/GIR NO; (Furnish copies of Income-tax returns)

Signature of authorized signatory

Seal of Company

- b) GST No. :
5. a) Names of the Bankers with address:

I)

II)

b) Enclose solvency certificate from the bankers:

6. Turnover of the Company/firm (Please attach copy of audited balance sheet and profit and loss account for last three years).

| S.NO. | YEAR | TURNOVER |
|-------|------|----------|
| 1     |      |          |
| 2     |      |          |
| 3     |      |          |

7. Empanelment with Government / Public Sector / Banks / MNCs

| NAME OF THE ORGANISATION | NATURE OF WORKS | VALUE OF WORKS | DATE OF EMPANELMENT |
|--------------------------|-----------------|----------------|---------------------|
|                          |                 |                |                     |
|                          |                 |                |                     |

8. What are your fields of activities? Mention the fields on preference Basis

- a)  
b)

9. Details of the works executed during the last 3 years (please mention only such works which qualifies for eligibility criteria)



| Sl. No. | Name of Work | Work executed for (name of the organization with address, concerned office and telephone number) | Nature of work (in brief) | Location of the work | Actual Value of the works | Stipulated time for completion | Actual time for completion | If work left incomplete or terminated (furnish reasons) |
|---------|--------------|--|---------------------------|----------------------|---------------------------|--------------------------------|----------------------------|---|
|         |              |  |                           |                      |                           |                                |                            |   |

Note: Copies of satisfactory completion certificate obtained from the client shall be enclosed.

10. Details of present works under execution (enclose copies of work orders issued by clients)

11. Key personnel permanently employed in your organization:

| SL NO. | NAME | QUALIFICATIONS | EXPERIENCE | PARTICULARS OF WORK DONE | EMPLOYED IN YOUR FIRM SINCE | ANY OTHER |
|--------|------|----------------|------------|--------------------------|-----------------------------|-----------|
|        |      |                |            |                          |                             |           |

12. Furnish the names of three responsible clients/ persons to whom the major works carried out by the applicant with address and telephone number who will be in a position to certify about the quality as well as past performance of your organization.

| NAME OF THE OFFICIAL | ORGANISATION & ADDRESS | CONTACT NUMBERS |
|----------------------|------------------------|-----------------|
|                      |                        |                 |
|                      |                        |                 |

13. Furnish the details of litigation/ Arbitration cases resulting from the contracts executed in the last seven years or currently under execution in the following format.

| YEAR | AWARD FOR OR AGAINST APPLICANT | NAME OF CLIENTS, CAUSE OF LITIGATION AND MATTER OF DISPUTE | DISPUTED AMOUNT | ACTUAL AWARDED AMOUNT |
|------|--------------------------------|--|-----------------|-----------------------|
|      |                                |  |                 |                       |
|      |                                |  |                 |                       |

**DECLARATION**

1. All the information furnished by me / us here above is correct to the best of my knowledge and belief.
2. I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets / annexure.
3. I / We agree that the decision of CANARA BANK in selection of vendors will be final and binding to me / us.
4. I / We have read the instructions appended to the proforma and I / we understand that if any false information is detected at a later date the empanelment shall be cancelled at the discretion of the bank.

Place :

SIGNATURE OF APPLICANT

Date :

NAME & DESIGNATION  
SEAL OF ORGANISATION

**CHECK LIST OF DOCUMENTS (FOR THE APPLICANTS)**

| Sl. | Particulars   | Compliance |    |
|-----|---|------------|----|
|     |   | Yes        | No |
| 1.  | Certificate of Registration of Company / Partnership Deed etc   |            |    |
| 2.  | Incorporation Certificate   |            |    |
| 3.  | MSE / NSI / KIV certificates and documents  |            |    |
| 4.  | Earnest Money Deposit :a DD / Pay Order   |            |    |
| 5.  | Cost of Tender document / Tender fee:   |            |    |
| 6.  | Shop & Establishment Certificate of Local Office (Kolkata/Kolkata)  |            |    |
| 7.  | Certificate of Registration with Income Tax Authorities   |            |    |
| 8.  | Certificate of Registration with EPF  |            |    |
| 9.  | Certificate of Registration with ESIC   |            |    |
| 10. | Certificate of Registration with GST  |            |    |
| 11. | Audited Balance sheet & P&L statement for last three years  |            |    |
| 12. | Copies of Turnover Certificate Tax returns and assessment orders for Last Three years   |            |    |
| 13. | Registration Certificate as per Company's Act   |            |    |
| 14. | Certificate from ESI corporation regarding Registration under Shops & Establishment Act   |            |    |
| 15. | Detail list of Branch Office, Head Office: on Pan India with Contact Numbers (Landline & Mobile) and email id.  |            |    |
| 16. | Latest Certificate from EPF Organization under EPF & Misc. Provision Act-1952 (EPF Register of employees of last 12 months)   |            |    |
| 17. | Copies of Balance Sheet (Audited) for last three financial years  |            |    |
| 18. | Copies of PAN, ESI, EPF, GST registration number etc.   |            |    |
| 19. | Relevant functional work order copies of new installation/current Annual Maintenance Contract in Public Sector bank(s)  |            |    |
| 20. | Certificate as an "Authorized Channel Partner" and training of their staff from the concern OEM (clearly mentioning the details of security equipment(s)/fire safety equipment for which they are channel partners and the duration since they are associated) on the letter head of OEM. |            |    |
| 21. | Technical Specifications sheet (with clear mention of Brand/Model/Make)   |            |    |
| 22. | Price Bid with rate per unit (with clear mention of Brand/Model/Make)   |            |    |
| 23. | Signed copy of all the Tender documents   |            |    |

Signature of authorized signatory

Seal of Company

**TECHNICAL SPECIFICATIONS**

**A. CCTV SYSTEM-RECOMMENDED WARRANTY ON ALL PRODUCTS IS 2 YEARS (EXCEPT CABLES AND BATTERIES) INCLUDING 04 QUARTERLY MANDATORY SERVICE VISITS**

| S No | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION  | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|---|---|---|
| 1.   | NETWORK VIDEO RECORDER - 8 CHANNEL WITH 02 SATA HDD PORTS | 8 CHANNEL, 1 U, UL/ EN / EU/ CE CERTIFIED.H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320 MBPS INCOMING BANDWIDTH, UP TO 8 MP RESOLUTION PREVIEW & PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 2 SATA III PORTS, UP TO 6TB CAPACITY FOR EACH HDD,INTERFACE 1 RJ-45 Port (10/100/1000Mbps)             |   |
| 2.   | NETWORK VIDEO RECORDER - 16 CHANNEL WITH 04 SATA HDD PORT | 16 CHANNEL 1.5 U, NVR, UL/ EN / EU/ CE CERTIFIED. H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320 MBPS INCOMING BANDWIDTH, UP TO 8 MP RESOLUTION PREVIEW & PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 4 SATA III PORTS, UP TO 6TB CAPACITY FOR EACH HDD, INTERFACE 1 RJ-45 Port (10/100/1000Mbps)    |   |
| 3.   | NETWORK VIDEO RECORDER - 32 CHANNEL 04 SATA HDD PORT      | 32 CHANNEL 1.5 U 16 POE, NVR, UL/ EN / EU/ CE CERTIFIED. H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320MBPS INCOMING BANDWIDTH, UP TO 8MP RESOLUTION PREVIEW&PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 4 SATA III PORTS, UP TO 8TB CAPACITY FOR EACH HDD, INTERFACE 1 RJ-45 PORT (10/100/1000MBPS) |   |
| 4.   | 10 TB SURVEILLANCE HARD DISC                              | UL,WD- AVGP SERIES/ SEAGATE   |   |

Signature of authorized signatory

Seal of Company

**RFP NO.2:SEC EQPT-RFP:2/2024 dated 28.10.2024**

| S No | ITEM   | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION   | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|--|--|---|
| 5.   | 8 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE  |   |
| 6.   | 6 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE  |   |
| 7.   | 4 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE  |   |
| 8.   | 2 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE  |   |
| 9.   | 2 MP FIXED DOME IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED) | 2MP IP NETWORK IR CAMERA , H.265+ & H.265, H.264&MJPEG DUAL-STREAM ENCODING & DWDR,1/2.7” 2MP PROGRESSIVE CMOS, H.265+ & H.265 DUAL - STREAM ENCODING,25/30FPS@1080P(1920×1080) DWDR, DAY/NIGHT(ICR), 3DNR, AWB, AGC, BLC , MULTIPLE NETWORK MONITORING: WEB VIEWER.2.8 MM FIXED LENS (3.6MM OPTIONAL), MAX IR LEDS LENGTH 30M, IP67, POE. |   |
| 10.  | 2 MP BULLET IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED)     | 2MP IP NETWORK IR CAMERA H.265+ & H.265, H.264&MJPEG DUAL-STREAM ENCODING & DWDR, 1/2.7” 2MP PROGRESSIVE CMOS, H.265+ & H.265 DUAL - STREAM ENCODING, 25/30FPS@1080P(1920×1080) DWDR, DAY/NIGHT(ICR), 3DNR, AWB, AGC, BLC ,MULTIPLE NETWORK MONITORING: WEB VIEWER.2.8 MM FIXES LENCE (3.6MM OPTIONAL), MAX IR LEDS LENGTH 30M, IP67, POE. |   |
| 11.  | 2 MP PINHOLE IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED)    | 2MP IP NETWORK IR CAMERA H.265,H.264&MJPEG TRIPLE-STREAM ENCODING & WDR,1/2.7” 2MP PROGRESSIVE CMOS, 25/30FPS@1080P(1920×1080) DWDR, 3DNR, AWB, AGC, BLC ,MULTIPLE NETWORK MONITORING: WEB VIEWER.2.8 MM PINHOLE LENSE   |   |
| 12.  | ROUTER FOR CUBE CAMERA WITH MICRO SIM CARD SLOT        | 3G/4G ROUTERS, NETWORK TYPE 4G: FDD- LTE 3G: DC-HSPA+/HSPA+/HSPA/UMTS B1/B8 (2100/900 MHZ),INTERFACE 3 10/100MBPS LAN PORTS, 1 10/100MBPS LAN/WAN PORT, 1 MICRO SIM CARD SLOT, WIRELESS STANDARDS IEEE 802.11AC/N/A 5GHZ, IEEE 802.11B/G/N 2.4GHZ,FREQUENCY 2.4GHZ AND 5GHZ  |   |

Signature of authorized signatory

Seal of Company

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| S No | ITEM   | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION  | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|--|---|---|
| 13.  | NETWORK ATTACHED STORAGE(NAS)- 1 BAY                     | NAS WITH 1 BAY, WITH 01 ESATA (IF AVAILABLE) PORT, MIN 01 ETHERNET PORT, 02 USB(3.0) PORTS. Max Cap: 6TB (1x 6TB HDD) (Capacity may vary by RAID types), WITH PROVISION TO CONNECT MIN 4 IP CAMERAS BRANDS: SYNOLOGY/NETGEAR/EQUIVALENT   |   |
| 14.  | NETWORK ATTACHED STORAGE(NAS)- 2 BAY                     | NAS WITH 2 BAY, WITH MIN 02 ETHERNET PORT, 02 USB(3.0) PORT RAID 0, 1 AND JBOD SUPPORTED, MAX CAPACITY - 12 TB (CAPACITY MAY VARY BY RAID TYPES). WITH PROVISION TO CONNECT MIN 4 IP CAMERAS.BRANDS: SYNOLOGY/NETGEAR/EQUIVALENT  |   |
| 15.  | 4 PORT POE NETWORK SWITCH                                | LAYER TWO COMMERCIAL SWITCH· SUPPORTS POE POWER MANAGEMENT· SUPPORTS WALL-MOUNT INSTALLATION· SUPPORTS ANTI-THEFT LOCK HOLE· MAC AUTO LEARNING AND AGING, MAC ADDRESS CAPACITY IS 1K· SUPPORTS IEEE802.3, IEEE802.3U AND IEEE802.3X STANDARDS· RJ45 PORT SUPPORTS 10/100MBPS SELF- ADAPTATION· SUPPORTS 250 METERS LONG DISTANCE POE TRANSMISSION· CONFORMS TO IEEE802.3AF AND IEEE802.3AT POWER SUPPLY STANDARD. PORT 1 SUPPORTS HI- POE 60W POWER SUPPLY  |   |
| 16.  | 8 PORT POE NETWORK SWITCH TO BE INSTALLED WITH 8 CHL NVR | ETHERNET PORT1*10/100 BASE-T8*10/100 BASE-T (POE POWER SUPPLY), POE POWER CONSUMPTIONPORT1≤60W, PORT2-8≤30W, TOTAL≤96W, LAYER TWO COMMERCIAL SWITCH· SUPPORTS IEEE802.3, IEEE802.3U AND IEEE802.3X STANDARDS· MAC AUTO LEARNING, AGING, MAC ADDRESS CAPACITY IS 2K· SUPPORTS MDI/MDIX SELF- ADAPTATION· SUPPORT POE, POE+, HI-POE· ADOPTS METAL ENCLOSURE   |   |
| 17.  | 16 PORT POE NETWORK SWITCH WITH 16/32 CHL NVR            | 16*10/100MBPS PORTS, 1*GIGABIT COMBO PORT, SUPPORT PORT AUTO FLIPPING (AUTO MDI / MDIX)· PORT 1- 2 SUPPORT THE MAXIMUM POWER OF 60W, POE OUTPUT TOTAL POWER UP TO 135W· COMPLIANT IEEE 802.3, IEEE 802.3U, IEEE802.3AB, IEEE802.3X STANDARDS· SUPPORTS IEEE802.3AF, IEEE802.3AT, HI- POE STANDARDS· SUPPORTS NORMAL WORKING MODE, PORT ISOLATION (VLAN) MODE, MONITORING MODE, NETWORK EXTEND MODE. · SUPPORTS STORE-AND- FORWARD· SUPPORTS IEEE802.3X FLOW CONTROL FOR FULL-DUPLEX MODE AND BACKPRESSURE FOR HALF-DUPLEX MODE· 4K ENTRY MAC ADDRESS TABLE WITH AUTO-LEARNING AND AUTO-AGING· |   |

Signature of authorized signatory

Seal of Company

| S No | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION   | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|---|--|---|
|      |   | LED INDICATORS FOR MONITORING POWER, LINK AND ACTIVITY   |   |
| 18.  | 24 PORT POE NETWORK SWITCH WITH 32 CHL NVR          | ETHERNET PORTSTWO (2) 1000 BASE-X PORTS (COMBO PORTS)TWO (2) 10/100/1000 BASE-T PORTS 24 10/100 BASE-T PORTS (POE POWER SUPPLY, POE FEATURES• HI-POE: PORTS 1 AND 2CONSUMPTION: UP TO 60 W PER PORT• IEEE802.3AF, IEEE802.3AT: PORTS 3 TO 24CONSUMPTION: UP TO 30 W PER PORT• ENHANCED POE (EPOE): PORTS 1 TO 8• TOTAL POE BUDGET: ≤ 360 W,LAYER 2 MANAGED NETWORK EPOE SWITCH •SUPPORTS LONG DISTANCE EPOE TRANSMISSION, UP TO 800 M (2524 FT) •SUPPORTS IEEE, E100, AND E10 TRANSMISSION MODES (PORTS 1 TO 8)•SUPPORTS TWISTED-PAIR AND COAXIAL CABLE TRANSMISSION (PORTS 1 TO 8)•SUPPORTS POE MANAGEMENT, GREEN POE, AND LEGACY SUPPORT |   |
| 19.  | MONITOR- LED 27"                                    | 27" SURVEILLANCE GRADE MONITOR WITH HDMI & VGA INPUT (SAMSUNG/LG)  |   |
| 20.  | CAT 6 CABLE   | CAT 6, CORE DIAMETER 0.585MM, 305M CCA, TRANSMISSION DISTANCE UPTO 85M, PER METRE  |   |
| 21.  | ARMOURED CAT 6 CABLE                                | ARMOURED CAT 6, CORE DIAMETER 0.585MM, 305M CCA, TRANSMISSION DISTANCE UPTO 85M), PER METRE  |   |
| 22.  | RACK 4 U WITH LOCK AND FAN , FOR 4 & 8 CHANNEL NVR  | FRONT DOOR WITH TOUGHENED GLASS QUALITY, ADJUSTABLE MOUNTING RAILS - FRONT AND BACK, 1 FAN MOUNTING PROVISION, TOP AND BOTTOM CABLE ENTRY PROVIDES, OPTIMAL FLEXIBILITY FOR CABLE MANAGEMENT, EASY WALL MOUNT PROVISION, EASY INSTALLATION - STANDING/WALL MOUNTING OPTION, FRAME STRUCTURE WITH MAX LOADING CAPACITY UP TO 60 KG  |   |
| 23.  | RACK 6 U WITH LOCK AND FAN, FOR 16 & 32 CHANNEL NVR | FRONT DOOR WITH TOUGHENED GLASS QUALITY, ADJUSTABLE MOUNTING RAILS - FRONT AND BACK, 1 FAN MOUNTING PROVISION, TOP AND BOTTOM CABLE ENTRY PROVIDES, OPTIMAL FLEXIBILITY FOR CABLE MANAGEMENT, EASY WALL MOUNT PROVISION, EASY INSTALLATION -   |   |

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Seal of Company

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| S No | ITEM   | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION   | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|--|--|---|
|      |  | STANDING/WALL MOUNTING OPTION, FRAME STRUCTURE WITH MAX LOADING CAPACITY UP TO 60 KG   |   |
| 24.  | <b>OFFSITE ATM CCTV DVR WITH BUILT-IN 7 INCH SCREEN</b>                  | EL/UN CERTIFIED. TRIBRID: SUPPORT HDCVI/ANALOG/IP VIDEO INPUT, HIGH PROFILE H.264 DUAL-STREAM VIDEO COMPRESSION, HDMI/VGA/TV SIMULTANEOUS VIDEO OUTPUT, ONVIF VERSION 2.3 CONFORMANCE, SUPPORT 2SATA HDDS UP TO 20TB, MULTIPLE NETWORK MONITORING: WEB VIEWER, CMS(DSS/SMART PSS)&SMART PHONE(DMSS), <b>BUILT-IN 7 INCH SCREEN</b> |   |
| 25.  | <b>HD DVR/XVR(PENT A BRID) -4 CHANNEL WITH 01 SATA HDD PORT, ONVIF</b>   | 4 CHANNEL, HD DVR/ XVR,UL/ EN / EU/ CE CERTIFIED, SUPPORTING PENTA BRID CAMERA TECHNOLOGIES( CVBS/HDTVI/ HDCVI/IP/ANALOG), WITH 01 SATA HDD SUPPORT, ONVIF.  |   |
| 26.  | <b>HD DVR/XVR(PENT A BRID) -08 CHANNEL WITH 02 SATA HDD PORTS, ONVIF</b> | 08 CHANNEL, HD DVR/ XVR, UL/ EN / EU/ CE CERTIFIED, SUPPORTING PENTA BRID CAMERA TECHNOLOGIES( CVBS/HDTVI/ HDCVI/IP/ANALOG), WITH 02 SATA HDD SUPPORT, ONVIF.  |   |
| 27.  | <b>2 MP HD FIXED DOME IR COLOUR CAMERA, WITH WDR</b>                     | MINIMUM 2 MP, WITH GLASS LENSES, WITH WDR AND ALL IN ONE TECHNOLOGY ( SUPPORTING HDTVI/HDCVI/AHD/CVBC), ( UL/ EN/EU/CE CERTIFIED)  |   |
| 28.  | <b>2 MP HD INFRARED BULLET CAMERAS WITH WDR</b>                          | MINIMUM 2 MP, WITH GLASS LENSES, WITH WDR AND ALL IN ONE TECHNOLOGY( SUPPORTING HDTVI/HDCVI/AHD/CVBC), ( UL/ EN/EU/CE CERTIFIED)   |   |
| 29.  | <b>RG 6 CO-AXIAL UN ARMoured VIDEO CABLE</b>                             | RG 6 CO-AXIAL UN ARMoured VIDEO CABLE, <b>PER METER</b>  |   |
| 30.  | <b>POWER CABLE OF 2 CORE COPPER CONDUCTOR 2 X 1.0 SQ MM</b>              | POWER CABLE OF 2 CORE COPPER CONDUCTOR 2 X 1.0 SQ MM, <b>PER METER</b>   |   |
| 31.  | <b>12 V 5 AMP, SMPS POWER SUPPLY FOR CAMERAS</b>                         | 12V 5 AMP  |   |
| 32.  | <b>12V ,10 AMP SMPS POWER SUPPLY FOR CAMERAS</b>                         | 12V 10 AMP   |   |

Signature of authorized signatory

Seal of Company



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|------|---|--|---|
| 33.  | 12 V 20 AMP, SMPS POWER SUPPLY FOR CAMERAS  | 12V 20 AMP   |   |
| 34.  | PVC ROUND CONDUIT WHITE COLOUR  | PVC ROUND CONDUIT WHITE COLOUR, PER METRE  |   |
| 35.  | PVC FLAT CONDUIT WHITE COLOUR   | PVC FLAT CONDUIT WHITE COLOUR, PER METRE   |   |
| 36.  | WIRELESS MOUSE  | WIRELESS MOUSE   |   |
| 37.  | RJ45 TO HDMI EXTENDER(ON LY WHERE THE DISTANCE BETWEEN NVR/XVR AND MONITOR IS MORE THAN 60 MTR) | EXTENDS HDMI SIGNAL OVER ONE CAT 5E / 6 CABLE, MAX DATA RATE - 3.4 GBPS, HDMI 1.3 AND HDCP COMPLIANCE, TRANSMISSION RANGE UP TO 100 METERS AT 1080P RESOLUTION, RESOLUTION : UP TO 1080P / 60 HZ / 48 BITS, DISTANCE : 100 MTR (MAX), HDMI CONNECTOR : TYPE A POWER SUPPLY : REGULATED 5V / 2AMP, POWER CONSUMPTION : 1.2 AMP (MAX), TEMPERATURE : 0 TO 55 DEGREE C.   |   |
| 38.  | HDMI CABLE 5MTR , 10 MTR, 20 MTR  | HDMI VERSION 1.4 (HIGH DEFINITION MULTIMEDIA INTERFACE) GOLD PLATED CABLE PROVIDES AN UNCOMPRESSED DIGITAL LINK BETWEEN CONSUMER ELECTRONICS EQUIPMENT.  |   |
| 39.  | VGA CABLE 5MTR, 10MTR, 20 MTR   | VGA HDDB 15 MALE TO MX HDDB 15 MALE PLUG CORD WITH FERRITE IS A LEAD USED FOR TRANSMITTING VIDEO SIGNALS. MX VGA CORD MOST COMMONLY USED TO LINK COMPUTERS WITH MONITORS. HOWEVER IT IS NOW USED ON SOME HIGH DEFINITION TELEVISIONS. MX VGA CABLE ARE ALWAYS USED SOLELY TO CARRY ANALOG COMPONENT RGBHV (RED - GREEN - BLUE - HORIZONTAL SYNC - VERTICAL SYNC) VIDEO SIGNALS ALONG WITH DATA.                            |   |
| 40.  | POE INJECTOR( WHERE LENGTH OF 01 CAMERA CABLE IS MORE THAN 100 MTR)                             | COMPLIES WITH IEEE802.3AF STANDARD, DELIVERS POWER AND DATA OVER THE SINGLECABLE UP TO 100 METERS, NO POWER CABLING FOR ETHERNETNETWORK DEVICE, ADVANCED AUTO-SENSING ALGORITHMENABLES PROVIDING POWER WITH 802.3AF , PDSUPPORTS POWER CLASSI CATION, AUTO-DETERMINE THE NECESSARY POWER REQUIREMENTSHIGH SAFETY WITH SHORT CIRCUIT PROTECTIONPLUG & PLAY INSTALLATION, REQUIRES NOCON GURATIONEXTERNAL 48VDC POWER SUPPLY |   |
| 41.  | HDMI SPLTTER  | FOR CONNECTING TWO MONITORS FROM NVR/XVR   |   |

Signature of authorized signatory

Seal of Company

| S No | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|------|---|--|---|
| 42.  | VGA SPLITTER  | FOR CONNECTING TWO MONITORS FROM NVR/XVR                   |   |
| 43.  | HDMI SWITCHER 1X2( 1 OUTPUTX02 INPUTS)  | FOR CONNECTING TWO NVRS/XVRS TO SINGLE MONITOR             |   |
| 44.  | VGA SWITCHER 1X2( 1 OUTPUTX02 INPUTS)   | FOR CONNECTING TWO NVRS/XVRS TO SINGLE MONITOR             |   |
| 45.  | 64 GB MICRO SD CARD   | 64 GB  |   |
| 46.  | 128 GB MICRO SD CARD  | 128 GB   |   |
| 47.  | SURGE PROTECTOR WITH 6 SOCKETS ( IN LIGHTNING EFFECTED/ HEAVY POWER FLUCTUATIONS AREAS) | 6 SOCKETS  |   |
| 48.  | WIRED MOUSE   | WIRED MOUSE  |   |

Signature of authorized signatory

Seal of Company

**ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS -RECOMMENDED**

**WARRANTY ON ALL PRODUCTS IS 2 YEARS(EXCEPT CABLES AND BATTERIES) INCLUDING 04 QUARTERLY MANDATORY SERVICE VISITS**

| S.N | ITEM   | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION   | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|-----|--|--|---|
| 1.  | SMART BRANCH SECURITY ALARM SYSTEM   | 1.CONTROL PANEL WITH ONBOARD KEY PAD.<br>2.GSM BASED INBUILT AUTO DIALER, CMS ENABLED (COMPATIBLE TO ANY THIRD PARTY CMS THROUGH PSTN, GSM(GPRS) & IP, MINIMUM ANY TWO) AS PER BANK REQUIREMENT. 3. SIMULTANEOUSLY AUTO DIALS PRESET NUMBERS AS WELL AS SEND ALERTS TO CMS. 4. INBUILT BATTERY BACK UP. 5. SHOULD SUPPORT AND COMMUNICATE ALERTS TO ANY THIRD PARTY CMS/HEALTH MONITORING SOFTWARE, READILY, AND THE PROTOCOL FOR COMMUNICATION SHOULD NOT BE BOUND OR LIMITED TO ANY PROPRIETARY SOFTWARE OR PROTOCOL OF THEIR OWN. SHOULD COMMUNICATE VIA SIA DC 09/CONTACT ID/CONTACT IP OR ANY INTERNATIONAL OPEN SOURCE INTRUSION PROTOCOLS. 6. SHOULD SUPPORT ZONE DOUBLING AND/OR ZONE EXPANDERS. 7. MINIMUM FEATURES: AUTO ACTIVATION ON GROUPS/PARTITION ON PRESET TIME, ARM/DISARM THROUGH SMS/IVR USING SECURE PASSKEYS, BYPASS FAULTY COMPONENTS, MINIMUM 10 PASSWORD ACCESS, PROVISION TO STORE LOGS AND EXPORT TO EXCEL, HEALTH BEAT FOR HEALTH CHECKUP MONITORING SOFTWARE , FREE PROGRAMMING SOFTWARE, FREE MOBILE MONITORING APP. |   |
| 2.  | KEY PAD COMPATIBLE WITH SMART PANEL (OF THE SAME MAKE AS IN SL NO: 01 above)                       | FOR REPLACEMENTS ONLY  |   |
| 3.  | ZONE EXPANDING MODULE  | 8 ZONE EXPANDER COMPATIBLE WITH BRAND OF SMART PANEL AS IN SL NO: 1 (AND/OR) 3 TO GO WITH SMART PANEL  |   |
| 4.  | CONVENTIONAL BRANCH BURGLAR ALARM CONTROL PANEL WITH SPEECH AUTO DIALER AS A PACKAGE               | OPERATING VOLTAGE 180-240 V, WITH EXTENDABLE ZONE INDICATOR, CAPABLE OF CATERING FOR ATLEAST 15 ALARM SENSORS WITH BATTERY BACKUP. WITH DAY AND NIGHT MODE WITH KEY/CODE TYPE OPERATIONS, METAL CASE WITH PSTN SPEECH AUTO DIALER INCLUDED.  |   |
| 5.  | CONVENTIONAL GSM SPEECH AND SMS AUTO DIALER COMPATTIBLE TO CURRENTLY INSTALLED CONVENTIONAL PANELS | GSM BASED, 03 VOICE MESSAGES, MIN 10 TELEPHONE NUMBERS   |   |

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|-----|--|--|---|
| 6.  | CONVENTIONAL SOUNDERS  | 4WIRED CONVENTIONAL SOUNDERS( 02 FOR POWER & 02 FOR TAMPER), MIN 120 DB  |   |
| 7.  | SOUNDER WITH INBUILT BATTERY BACKUP  | SOUNDER WITH MIN 120DB SOUND LEVEL, THAT SUPPORTS THE EVENTS OF TAMPER OR POWER CUT TO THE SOUNDER. HAVING UNBUILT BATTERY BACKUP FOR 24 HRS MIN   |   |
| 8.  | PIR SENSORS(PET SAFE)  | PIR SENSORS WITH QUAD LINEAR TECHNOLOGY, WITH PET IMMUNITY UPTO 25 KG  |   |
| 9.  | PANIC SWITCHES   | MICRO SWITCH TECHNOLOGY, AUTO RESET BUTTON, INBUILT TAMPER, STURDY ABS HOUSING WITH STAINLESS STEEL FINISH COVER PLATE   |   |
| 10  | CASH CABIN ALARM   | WITH MAGNETIC CONTACT AND BEEP SOUND TO ALERT THE CASHIER WHEN THE CASH CABIN DOOR IS OPEN. WITH/WITHOUT INBUILT BATTERY. DELAY ADJUSTABLE.  |   |
| 11  | MAGNETIC CONTACT   | METAL MAGNETIC CONTACT SMALL   |   |
| 12  | VIBRATION SENSOR   | WITH ADJUSTABLE SENSITIVITY SENSOR   |   |
| 13  | SHUTTER SENSOR   | SECUIRCO/ EQUIVALENT   |   |
| 14  | GLASS BREAK SENSOR   | GLASS BREAK SENSOR   |   |
| 15  | SMART STANDALONE FIRE ALARM SYSTEM INCLUDING CONTROL PANEL WITH ONBOARD KEYPAD AND GSM BASED AUTO DIALER | 2 ZONE AND 4 ZONE SMART FIRE PANEL WITH CAPACITY OF 20 SMOKE DETECTORS PER ZONE. METAL CASE WITH GSM AUTO DIALER. WIFI CLOUD CONNECTIVITY ON ANDROID APP. GSM/IP COMPATIBILITY FOR CONNECTIVITY TO THIRD PARTY CMS IN FUTURE THROUGH OPENSOURCE PROTOCOLS.OPERATING VOLTAGE 180-240 V WITH VISUAL ZONE INDICATORS MAINS, BATTERY, SHOWING FIRE , OPEN, SHORT FAULT, RESET , ZONE AND HOOTER TESTS, ETC, PUSH BUTTONS TO DISABLE AUDIO ALARM WITH BATTERY BACKUP. |   |
| 16  | OPTICAL SMOKE DETECTOR   | DUST PROOF, MOTH PROOF   |   |
| 17  | HEAT DETECTOR  | CONVENTIONAL HEAT DETECTOR WITH WITH 360 DEGREES DIRECTION WITH MIN 25 DEGREES TRIGGER   |   |
| 18  | RESPONSE INDICATOR   | FOR ANY FIRE DETECTOR  |   |
| 19  | MCP  | FOR FIRE ALARM,  |   |

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| S.N | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION  | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|-----|---|---|---|
| 20  | ADDRESSABLE FIRE ALARM SYSTEM WITH GSM BASED AUTO DIALER (WITH PA SYSTEM) FOR MULTI STORY BUILDING - WITH TWO LOOP SYSTEM | <p>MICROPROCESSOR BASED ADDRESSABLE TYPE FIRE ALARM CONTROL PANEL.THE PANEL SHOULD BE EQUIPPED WITH SUFFICIENT NUMBERS OF LOOP WITH 20% SPARE CAPACITY. FOUR ACCESS LEVELS, CAPABLE OF AUTO LEARN DEVICES, FLASH EPROM SUFFICIENT NUMBERS OF PROGRAMMABLE RELAY CONTROLS FOR CONTROLLING AHUS, PRESSURIZATION FANS, VENTILATION FANS AT FIRE PUMP ROOM, MONITORING OF FIRE SPRINKLER AND FIRE HYDRANT PUMP, 240 VOLTS AC POWER SUPPLY, AUTOMATIC BATTERY CHARGER, 24 VOLTS SEALED LEAD ACID BATTERIES SUFFICIENT FOR 24 HOURS NORMAL WORKING AND THEN BE CAPABLE OF OPERATING THE SYSTEM FOR 2 HOURS DURING AN EMERGENCY CONDITIONS.4. SHOULD STORE 2100 EVENT WITH REAL TIME CLOCK WITH COUSE AND EFFECT UP TO 99 GROUPING FACILITY,2. INBUILT MODBUS FACILITY, SUPPORTS MICRO USB INTERFACE FOR PC CONNECTIVITY AND RS 485 COMMUNICATION FACILITY FOR NETWORK / REPEATER,7. SHOULD BE COMPATIBLE WITH THIRD PARTY CMS USING ITS OWN IP MODULE FOR COMMUNICATING OPEN PROTOCOLS LIKE SIA DC 09 PROTOCOL OR CONTACT ID. THE PANEL SHOULD CERTIFIED EN 54-2 AND EN54-4</p> |   |
| 21  | ADDRESSABLE OPTICAL SMOKE DETECTOR  | ADDRESSABLE OPTICAL SMOKE DETECTOR WITH ALARM LED'S AND MOUNTING BASE. APPROVALS- LPCB, VDS,UL  |   |
| 22  | ADDRESSABLE HEAT DETECTOR   | ADDRESSABLE OPTICAL HEAT DETECTOR WITH ALARM LED'S AND MOUNTING BASE. APPROVALS- LPCB, VDS,UL   |   |
| 23  | ADDRESSABLE SOUNDER/ FLASHER  | ADDRESSABLE HOOTER CUM STROBE. APPROVALS- LPCB  |   |
| 24  | ADDRESSABLE INPUT/ OUTPUT MODULES   | I/O UNIT PROVIDES SUPERVISION OF ONE OR MORE NORMALLY OPEN CONTACTS CONNECTED TO A SINGLE PAIR OF CABLES AND A SET OF CHANGEOVER RELAY OUTPUT CONTACTS. APPROVALS- LPCB,VDS   |   |
| 25  | ADDRESSABLE MANUAL CALL POINT   | ADDRESSABLE MANUAL CALL POINT WITH KEY FOR RST PURPOSE, APPROVALS- VNIPO (ALL RUSSION INSTITUTE FOR FIRE PROTECTION CERTIFICATE)  |   |
| 26  | SWITCH MONITOR MODULE   | ADDRESSABLE MONITOR MODULES FOR SPRINKLER FLOW SWITCH AND FOR OFFICE ETC. IT IS DESIGN TO MONITOR SINGLE POLE, VOLT FREE CONTACTS LIKE CONVENTIONAL DEVICES. APPROVALS- LPCB,VDS  |   |
| 27  | ZONE MONITOR MODULE   | ZONE MONITOR WITH ISOLATOR POWERS AND CONTROLS THE OPERATION OF A ZONE OF UP TO 20 ORBIS. IN BUILD BIDIRECTIONAL SHORT CIRCUIT ISOLATOR APPROVALS-LPCB,VDS  |   |

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| S.N | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION  | BRANDS & MODELS (WITH WARRANTY 2 YEARS) |
|-----|---|---|---|
| 28  | ADDRESSABLE FLAME DETECTOR  | THE INTELLIGENT BASE MOUNTED UV FLAME DETECTOR IS DESIGNED TO PROTECT ENCLOSED INDOOR AREAS WHERE OPEN FIRES MAY BE EXPECTED. THE DETECTOR HAS A FAST ACTING RESPONSE TO FLAMES UP TO 25M AWAY AND IS EQUIPPED WITH A SINGLE UV SENSOR WITH A NARROW SPECTRAL RESPONSE IN ORDER TO DISCRIMINATE BETWEEN FLAMES AND MOST SPURIOUS SOURCES OF RADIATION |   |
| 29  | BATTERY   | 12V 7 AH  |   |
| 30  | ARMORED CABLE 2 CORE<br>1.5 SQ MM, ISI MARKED   | FOR FIRE DETECTORS  |   |
| 31  | CABLE OF 2 CORE COPPER SHIELDED 2 X 1.0 SQ MM, FLEXIBLE WIRE. (NOT REGULAR OR ARMOURED) | FOR SIREN AND SWITCHES OF INTRUSION ALARM   |   |
| 32  | CABLE OF 4 CORE COPPER SHIELDED 4 X 0.5 SQ MM, FLEXIBLE WIRE (NOT REGULAR OR ARMOURED)  | FOR PIR, VIBRATION SENSOR AND INCOMING POWER SUPPLY FOR PANEL   |   |
| 33  | PVC ROUND CONDUIT WHITE COLOUR  |   |   |
| 34  | BLACK CONDUIT   |   |   |
| 35  | SURGE PROTECTOR WITH 6 SOCKETS ( IN LIGHTNING EFFECTED/ HEAVY POWER FLUCTUATIONS AREAS) | 6 SOCKETS   |   |

**BIOMETRIC ACCESS CONTROL (BACS) SYSTEMS: REQUIREMENT OF BOTH SINGLE AND DUAL AUTHENTICATION**

| S.NO. | NAME                            | SPECIFICATIONS  | BRAND/MODEL/MAKE |
|-------|---------------------------------|---|------------------|
| 1     | BACS with Face + Fingerprint    | · 4.3-inch LCD touch screen; resolution 480 × 272 · 2MP wide-angle dual lens camera; support DWDR, white light fill light and IR fill light · Support face, card, password ,fingerprint unlock and unlock through their combinations; support unlock by period · Support QR code unlock for visitors · User data can be stored at the access controller; can hold 6000 face images and work without network · Face-camera distance: 0.3 m-1.5 m · Face verification accuracy 99.5%; face comparison speed 0.3s per person; low false recognition rate; support liveness detection; support anti-fake  |                  |
| 2     | BACS without Finger (with Face) | · 4.3 inch glass touch screen with a resolution of 480 × 272. · 2-MP wide-angle dual-lens camera with IR illumination and DWDR. · Multiple unlock methods including face and password. You can also combine them to create your own personal unlock methods. · Supports mask detection. · Supports visitor QR code with DSS Pro Platform. · Recognizes faces 0.3 m to 1.5 m away (0.98 ft-4.92 ft). · Supports 3,000 users, 3,000 faces, 3,000 passwords, 5,000 cards, 50 administrators, and 300,000 records. · Liveness detection has a face recognition accuracy rate of 99.9% and the 1:N comparison time is 0.2 s per person. · Supports making video calls and using the app to receive alarm notifications, remotely unlock doors and to perform other tasks. · Supports customization of voice prompts. |                  |
| 3     | BACS with only Fingerprint      | · Material: Zinc alloy plate · Support card unlock, fingerprint unlock, and card&fingerprint unlock · Card reading frequency is 13.56MHZ; card reading distance is 1cm–3cm · Support both RS-485 protocol and Wiegand protocol · IP65, IK10 · Fingerprint Capacity: 3, 000 · Support duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, and illegal card exceeding time alarm · Support guest card, patrol card, VIP card, general user card, and card for the disabled   |                  |
| 4     | Magnetic Lock                   | 280KG Anti-pull. · Built-in reverse current protection device(MOV). · Aluminum shell with high strength alloy material. · Electromagnetic suction work completely, there is no mechanical failure. · Can be set DC12V or DC24V. · The residual magnetic design proof, wear materials. · Double lock body insulation treatment. · Supports door detector signal feedback.  |                  |

| S.NO. | NAME        | SPECIFICATIONS  | BRAND/MODEL/MAKE |
|-------|-------------|---|------------------|
| 5     | Exit button | Features · Professional circuit design, no mechanical failure · Use fire fire retardant material , convenient installation · 500,000 times fatigue test and durability · Access control project designated accessory products |                  |

**TECHNICAL SPECIFICATIONS FOR SUPPLY, INSTALLATION, COMMISSIONING & MAINTENANCE OF FIRE EXTINGUISHERS AT SITE:**

The fire extinguishers being provided at our branches / offices are first Aid for fighting the fire.

The Types of Fire Extinguishers are as under:

- 1) **Water type CO2** - This type of fire extinguisher is used to extinguish carbonaceous fires i.e. the fires caused by material like paper, wood, textiles etc.
- 2) **Dry Chemical Powder**- This type of fire extinguisher is used to extinguish the fires on electrical appliances, electrical main switch board etc.
- 3) **CO2 Gas Type** - Used for the fires emanating in computers and other electronic / electrical equipment.
- 4) **ABC Powder Type** - Used in cabins as it merges with the décor and is handy for any type of fire.
- 5) **Modular Gas / Powder Type** - This is an automatic fire extinguisher which is mounted to the ceiling of UPS & networking equipment / server rooms. This extinguisher operates automatically when the temperature exceeds 68 degrees Centigrade. These Modularextinguishers are Gas / ABC powder based.

| Extinguisher        | Class of Fire | Indian Standard | Extinguisher Medium |
|---------------------|---------------|-----------------|---------------------|
| Water CO2           | A             | 15683 : 2006    | Water               |
| Dry Chemical Powder | B,C           | 15683 : 2006    | Dry Chemical Powder |
| CO2                 | B,C           | 15683 : 2006    | CO2 Gas             |
| ABC                 | A,B,C         | 15683 : 2006    | Powder              |
| Modular             | A,B,C         | 15683: 2006     | Powder              |

**Scale of Authorization of extinguishers:**

As laid down in Anne-B of IS 2190:2010. The above scale may be suitably increased depending upon the following circumstances: -

1. If the area is secluded from other places and help is not likely to arrive quickly.
2. The area contains a high proportion of inflammable or combustible stores.
3. If according to the scale specified only one extinguisher is installed and no other extinguisher is likely to be available from close vicinity.



**Life of Extinguisher as per IS 2190: 2010**

The life of the fire extinguishers is mentioned below.

| Sl. No. | Type of Extinguisher | Life Time ( Year) |
|---------|----------------------|-------------------|
| 1       | Water Type           | 10                |
| 2       | Foam Type            | 10                |
| 3       | Powder Type          | 10                |
| 4       | Caron Dioxide        | 15                |
| 5       | Clean agent          | 10                |

**Make: The Fire Extinguisher should be ISI certified.** The manufacturer of the fire extinguisher shall have ISO 9001: 2008 certification. The Tenderer shall submit the catalogue of the product to be offered along with technical bid.

Warranty - two year from the date of installation of the System.

**The Vendor shall fill the make and model number details of the Fire Extinguishers which is proposed to offer.**

| S. No. | Item Description                          | Make/Model<br>(Vendor must specify)<br>As per |
|--------|---|---|
| 1      | WCO2 -9 LTR                               |   |
| 2      | CO2 - 2 KG                                |   |
| 3      | CO2 - 3 KG                                |   |
| 4      | CO2 - 4.5 KG                              |   |
| 5      | ABC Modular -5 KG<br>(Automatic)          |   |
| 6      | ABC Stored Pressure - 4 &<br>6 KG(Manual) |   |

**Refilling Schedule for Fire Extinguishers:**

| S. No. | Item Description           | Refilling Schedule  |
|--------|----------------------------|---------------------|
| A      | WCO2 : 9 Ltr               | Once in two years   |
| B      | CO2 :2/3/4.5 KG            | Once in three years |
| C      | ABC Modular : 5 KG         | Once in three years |
| D      | ABC Stored Pressure : 4 Kg | Once in three years |

**Note:**

- a) Fire Extinguishers must be refilled after failure of weight check-up/drop of adequate pressure/damaged of extinguishing media.
- b) Refilling material shall be of Standard Make/Quality.

**Schedule of Hydraulic pressure test and specification of pressure is given below:**

| S.No | Type of Fire Extinguishers | Hydraulic Test Interval (inyears) | Hydraulic Test on pressure (in Kg/cm2) | Pressure maintained during Hydraulic test |
|------|----------------------------|-----------------------------------|--|---|
| A    | WCO2 : 9 Ltr               | 3                                 | 35                                     | 2.5 minutes                               |
| B    | CO2 : 4.5 Kg               | 5                                 | 250                                    | 2.5 minutes                               |
| C    | ABC Modular : 5 Kg         | 3                                 | 35                                     | 2.5 minutes                               |
| D    | ABC Stored Pressure : 4 Kg | 3                                 | 35                                     | 2.5 minutes                               |

**Note:**

- c) Extinguisher's should be hydraulically tested with cap
- d) In case of failure in hydraulic pressure testing extinguisher shall be rejected immediately.
- e) As per schedule contained in IS 2190:2010 (Selection, Installation and Maintenance of First-Aid Fire Extinguishers) Maintenance of Fire Extinguishers to be carried out strictly for avoiding the failure of Fire Extinguishers at the time of emergency.
- f) There shall be no extra charges on emergency visit.

**TECHNICAL SPECIFICATION FOR FIRE EXTINGUISHERS**

| SL  | PARTICULARS  | Brand/Make /Model (To be specified clearly) |
|-----|--|---|
| 1.  | <b>WATER 9 LTRS</b><br><b>Fire Extinguisher Water type cartridge operated / Latest.</b><br>Applicable fire class A , Jet Range 7 Meters, Average Discharge is 95%, <b>Fire Rating- 3A</b> , Can Construction : Deep drawn & CO2 Mig welded, Controllable discharge mechanism with EPDM Hose & Nozzle, CO2 gas Cartridge of 60 gm. External Pure Polyester Powder Coating, Construction as per latest IS 15683 : 2018 and ISI Marked.   |   |
| 2.  | <b>WATER 9 LTRS</b><br><b>Fire Extinguisher Water type Stored Pressure / Latest.</b><br>Applicable fire class A , Jet Range 7 Meters, Average Discharge is 95%, <b>Fire Rating- 3A</b> , Can Construction : Deep drawn & CO2 Mig welded, CE Marked Valve with inbuilt NRV & Safety Release Provision, Controllable discharge mechanism with EPDM Hose & Nozzle, CO2 gas Cartridge of 60 gm. External Pure Polyester Powder Coating, Construction as per latest IS 15683 : 2018 and ISI Marked.   |   |
| 3.  | <b>DCP (MAP-90%) Stored Pressure type Fire extinguisher</b> filled with Mono Ammonium Phosphate Powder 90% confirm to IS 4308, Applicable on fire classes A, B & C, Controllable Discharge Mechanism with EPDM Hose & Open Nozzle, Average Discharge is 90%, <b>Fire Rating : 4A :144B ( For 4KG ) &amp; 6A : 183B ( For 6 KG)</b> , Can Construction : Deep drawn & MIG Welding technology, CE Marked Valve with inbuilt NRV & Safety Release Provision, Plastic base provided, External Coating - Pure Polyester Powder coating and Welding Procedure approved by TPI , Confirms to latest IS 15683 : 2018 and ISI Marked. |   |
| 4.  | ABC 4 Kg   |   |
| 5.  | ABC 6 Kg   |   |
| 6.  | <b>CO2 High Pressure portable Fire Extinguisher</b> , filled with CO2 Gas as per IS 15222, Control discharge mechanism fitted with Bend pipe and Discharge Horn, , Applicable on Class B, C and electrically started Fire, Fire Rating 21B (For 2Kg), 34B (For 3Kg) & 55B (For 4.5Kg), Powder Coated Handle, Valve Confirm to IS 3224 ISI Marked, CO2 Cylinder construction: bearing ISI mark, Body confirms to IS 7285, Extinguishers confirmed to latest IS 15683 : 2018 and ISI marked.   |   |
| 7.  | CO2 2 Kg.  |   |
| 8.  | CO2 3 Kg.  |   |
| 9.  | CO2 4.5 Kg.  |   |
| 10. | <b>Automatic Modular type Fire Extinguishers Clean Agent Based gas</b> which is Electrically nonconductive, non-corrosive, colorless and non-residual clean agent Suitable for Class A, B, C, and electrical fires, low toxicity, also its replacement for Halon 1211, Halon 1201, UGTS Pressure Gauge, Brass forged sprinkler valves, Heat Sensitive Glass bulb of 68 ° C.  |   |

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| SL  | PARTICULARS   | Brand/Make /Model (To be specified clearly) |
|-----|---|---|
|     | having<br>HFC-236fa / HFC-227ea / FK 5-1-12   |   |
| 11. | Clean agent 5 Kg  |   |
| 12. | <b>Automatic Modular type Fire Extinguishers ABC (MAP-90%)</b><br>Mono Ammonium Phosphate powder 90% Confirms to IS 4308, Applicable Fire Classes A, B & C, UGTS Pressure Gauge, Body Construction Deep Drawn with MIG Welding technology, Brass forged sprinkler valves with Nozzle is specially designed to give more than 99% discharge. Together with orifice characteristic to cover adequately fire risks with scattering cone of 40 to 45° Angle. Heat Sensitive Glass bulb of 68 °C.  |   |
| 13  | ABC Powder 5 Kg   |   |
| 14  | <b>DLP (Direct Low Pressure) Type Automatic Panel Gas Suppression System Filled with FK 5-1-12 Clean Agent UL Listed / FM Approved</b> , Gas shall have Zero Ozone Depletion Potential, Low GWP (1 or Less Than), EPA & SNAP Approved, System Pressurized with Dry Nitrogen, UL Listed Heat Sensing Polyamide Tube, Epoxy Polyester Powder Coating. End of Line Adapter with Pressure Gauge for Monitor Tube Pressure, <b>Pressure Switch (UL Listed / LPCB Approved)</b> and shall be connected with Master Control Unit for A/V Alarm in case of Fire, Cylinder tested 100% Hydraulic Pressure., System shall be pressurized with 16 Bar. |   |
| 15  | 2 Kg DLP type with Heat Sensing Polyamide tube (UL Listed) 5 Mtr  |   |
| 16  | 4 Kg DLP type with Heat Sensing Polyamide tube (UL Listed) 10 Mtr   |   |
| 17  | T Connector for tube based suppression  |   |
| 18  | Pressure Switch (UL Listed / LPCB Approved) for tube based suppression  |   |
| 19  | Master Control Unit with A/V Alarm  |   |
| 20  | End of Line Plug for tube based suppression   |   |
| 21  | End of Line Adapter with Pressure Gauge for tube based suppression  |   |
| 22  | UL Listed Fire Detection Polyamide Tube   |   |

| <b>Other ACCESSORIES:</b> |   |                          |
|---------------------------|---|--------------------------|
| <b>S No</b>               | <b>Accessories</b>  | <b>Brand/Make /Model</b> |
| 23.                       | Valve / Sprinkler for 2 & 5 kg capacity modular type                          |                          |
| 24.                       | Squeeze grip valve ABC 2 kg   |                          |
| 25.                       | Squeeze grip valve ABC 4 kg   |                          |
| 26.                       | Squeeze grip cap ABC 4 kg.  |                          |
| 27.                       | Squeeze grip cap ABC/DCP 6 kg.  |                          |
| 28.                       | Squeeze grip cap for water CO2 9 ltr  |                          |
| 29.                       | Valve for CO2 type. IS:3224   |                          |
| 30.                       | HOSE with HORN CO2 4.5 KGS (wire braided)                                     |                          |
| 31.                       | Bend horn CO2 - 2/3 kgs   |                          |
| 32.                       | Pressure gauge ABC / Modular  |                          |
| 33.                       | Charge for hydraulic pressure testing (HPT) - DCP / WCO2 type                 |                          |
| 34.                       | Charge for hydraulic pressure testing (HPT) - ABC type                        |                          |
| 35.                       | Charge for hydraulic pressure testing (HPT) - CO2 type                        |                          |
| 36.                       | AMC Charges per Year per branch   |                          |
| 37.                       | One time transportation charges for pickup & delivery for refilling perbranch |                          |
| 38.                       | Shifting Charges of fire extinguishers in case of branch shifting             |                          |

| <b><u>Terms and Conditions</u></b> |   |
|------------------------------------|---|
| <b>SL</b>                          | <b>All the rates should be exclusive of GST.</b>  |
| 1.                                 | Rates once standardized will be fixed for 3 years to be reviewed every year.  |
| 2.                                 | New Extinguishers to be maintained without any charges for the warranty period  |
| 3.                                 | Maintance of extinguishers to be carried out as per IS 2190 schedule unless otherwise specified.  |
| 4.                                 | HPT for extinguishers to be done as per IS 2190   |
| 5.                                 | Life of extinguisher to be as laid down in IS 2190 and expired extinguishers will notbe refilled or serviced X cross in black to be marked on them  |
| 6.                                 | In case in a branch no extinguisher is due for refilling then one extinguisher of each type will be used for explaining to staff for performance test, its functioning and the same will be used by staff. Thereafter it will be HPT tested ( if required) and Refilled |
| 7.                                 | No filled Extinguisher will be taken out for HPT/Refilling. In case any extinguisher isto be taken for HPTand refilling, till they are returned a standby extinguisher will be provided in its place to the branch.   |
| 8.                                 | Other terms and conditions will be as laid down by the bank from time to time.  |
| 9.                                 | <b>Document required:</b> Product catalogue, BIS license Copy, Data sheet product wise to be provided and Specific  |
| 10.                                | Specific from OEM, Certificate to carry out work at Canara Bank Branches / Offices valid for three years  |

**FINANCIAL BID AS PER TECHNICAL SPECIFICATIONS**

| <b>CCTV SYSTEM:</b> |  |   |  |             |             |
|---------------------|--|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>  | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 1.                  | <b>NETWORK VIDEO RECORDER - 8 CHANNEL WITH 02 SATA HDD PORTS</b> | 8 CHANNEL, 1 U, UL/ EN / EU/ CE CERTIFIED.H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320 MBPS INCOMING BANDWIDTH, UP TO 8 MP RESOLUTION PREVIEW & PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 2 SATA III PORTS, UP TO 6TB CAPACITY FOR EACH HDD,INTERFACE 1 RJ-45 Port (10/100/1000Mbps)             |  |             |             |
| 2.                  | <b>NETWORK VIDEO RECORDER - 16 CHANNEL WITH 04 SATA HDD PORT</b> | 16 CHANNEL 1.5 U, NVR, UL/ EN / EU/ CE CERTIFIED. H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320 MBPS INCOMING BANDWIDTH, UP TO 8 MP RESOLUTION PREVIEW & PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 4 SATA III PORTS, UP TO 6TB CAPACITY FOR EACH HDD, INTERFACE 1 RJ-45 Port (10/100/1000Mbps)    |  |             |             |
| 3.                  | <b>NETWORK VIDEO RECORDER - 32 CHANNEL 04 SATA HDD PORT</b>      | 32 CHANNEL 1.5 U 16 POE, NVR, UL/ EN / EU/ CE CERTIFIED. H.265+, H.265, SMART H.264+ CODEC DECODING, MAX 320MBPS INCOMING BANDWIDTH, UP TO 8MP RESOLUTION PREVIEW&PLAYBACK, HDMI/VGA SIMULTANEOUS VIDEO OUTPUT, SUPPORT TCP/IP, UPNP, ONVIF COMPATIBLE, 4 SATA III PORTS, UP TO 8TB CAPACITY FOR EACH HDD, INTERFACE 1 RJ-45 PORT (10/100/1000MBPS) |  |             |             |

| <b>CCTV SYSTEM:</b> |  |   |  |             |             |
|---------------------|--|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>  | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 4.                  | 10 TB SURVEILLANCE HARD DISC                           | UL,WD- AVGP SERIES/ SEAGATE   |  |             |             |
| 5.                  | 8 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE   |  |             |             |
| 6.                  | 6 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE   |  |             |             |
| 7.                  | 4 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE   |  |             |             |
| 8.                  | 2 TB SURVEILLANCE HARD DISC                            | UL,WD- AVGP SERIES/ SEAGATE   |  |             |             |
| 9.                  | 2 MP FIXED DOME IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED) | 2MP IP NETWORK IR CAMERA , H.265+ & H.265, H.264&MJPEG DUAL-STREAM ENCODING & DWDR,1/2.7” 2MP PROGRESSIVE CMOS, H.265+ & H.265 DUAL - STREAM ENCODING,25/30FPS@1080P(1920 ×1080) DWDR, DAY/NIGHT(ICR), 3DNR, AWB, AGC, BLC , MULTIPLE NETWORK MONITORING: WEB VIEWER.2.8 MM FIXED LENS (3.6MM OPTIONAL), MAX IR LEDS LENGTH 30M, IP67, POE. |  |             |             |
| 10.                 | 2 MP BULLET IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED)     | 2MP IP NETWORK IR CAMERA H.265+ & H.265, H.264&MJPEG DUAL-STREAM ENCODING & DWDR, 1/2.7” 2MP PROGRESSIVE CMOS, H.265+ & H.265 DUAL - STREAM ENCODING, 25/30FPS@1080P(1920×1080) DWDR, DAY/NIGHT(ICR), 3DNR, AWB, AGC, BLC ,MULTIPLE NETWORK MONITORING: WEB VIEWER.2.8 MM FIXES LENCE (3.6MM OPTIONAL), MAX IR LEDS LENGTH 30M, IP67, POE.  |  |             |             |
| 11.                 | 2 MP PINHOLE IP IR CAMERA ( UL/ EN/EU/CE CERTIFIED)    | 2MP IP NETWORK IR CAMERA H.265,H.264&MJPEG TRIPLE-STREAM ENCODING & WDR,1/2.7” 2MP PROGRESSIVE  |  |             |             |

| <b>CCTV SYSTEM:</b> |  |   |  |             |             |
|---------------------|--|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>  | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
|                     |  | CMOS,<br>25/30FPS@1080P(1920×1080)<br>DWDR, 3DNR, AWB, AGC, BLC<br>,MULTIPLE NETWORK<br>MONITORING: WEB VIEWER.2.8<br>MM PINHOLE LENSE  |  |             |             |
| 12.                 | <b>ROUTER FOR CUBE CAMERA WITH MICRO SIM CARD SLOT</b> | 3G/4G ROUTERS, NETWORK TYPE<br>4G: FDD- LTE 3G: DC-<br>HSPA+/HSPA+/HSPA/UMTS B1/B8<br>(2100/900 MHZ),INTERFACE 3<br>10/100MBPS LAN PORTS,<br>1 10/100MBPS LAN/WAN<br>PORT,<br>1 MICRO SIM CARD SLOT,<br>WIRELESS STANDARDS IEEE<br>802.11AC/N/A 5GHZ,<br>IEEE 802.11B/G/N<br>2.4GHZ,FREQUENCY 2.4GHZ AND<br>5GHZ  |  |             |             |
| 13.                 | <b>NETWORK ATTACHED STORAGE(NAS)- 1 BAY</b>            | NAS WITH 1 BAY, WITH 01 ESATA<br>(IF AVAILABLE) PORT,<br>MIN 01 ETHERNET PORT,<br>02 USB(3.0) PORTS. Max Cap: 6TB<br>(1x 6TB<br>HDD) (Capacity may vary by RAID<br>types), WITH PROVISION TO<br>CONNECT MIN 4 IP CAMERAS<br>BRANDS:<br>SYNOLOGY/NETGEAR/EQUIVALEN<br>T  |  |             |             |
| 14.                 | <b>NETWORK ATTACHED STORAGE(NAS)- 2 BAY</b>            | NAS WITH 2 BAY,<br>WITH MIN 02 ETHERNET PORT, 02<br>USB(3.0) PORT RAID 0,<br>1 AND JBOD SUPPORTED,<br>MAX CAPACITY - 12 TB (CAPACITY<br>MAY VARY BY RAID TYPES). WITH<br>PROVISION TO CONNECT MIN 4 IP<br>CAMERAS.BRANDS:<br>SYNOLOGY/NETGEAR/EQUIVALEN<br>T  |  |             |             |
| 15.                 | <b>4 PORT POE NETWORK SWITCH</b>                       | LAYER TWO COMMERCIAL SWITCH·<br>SUPPORTS POE POWER<br>MANAGEMENT· SUPPORTS WALL-<br>MOUNT INSTALLATION· SUPPORTS<br>ANTI-THEFT LOCK HOLE· MAC<br>AUTO LEARNING AND AGING,<br>MAC ADDRESS CAPACITY IS 1K·<br>SUPPORTS IEEE802.3,<br>IEEE802.3U AND IEEE802.3X<br>STANDARDS· RJ45 PORT<br>SUPPORTS 10/100MBPS SELF- |  |             |             |



| <b>CCTV SYSTEM:</b> |   |   |  |             |             |
|---------------------|---|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>   | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
|                     |   | ADAPTATION-<br>SUPPORTS 250 METERS LONG<br>DISTANCE POE TRANSMISSION-<br>CONFORMS TO IEEE802.3AF AND<br>IEEE802.3AT POWER SUPPLY<br>STANDARD. PORT 1 SUPPORTS HI-<br>POE 60W POWER SUPPLY   |  |             |             |
| 16.                 | <b>8 PORT POE NETWORK SWITCH TO BE INSTALLED WITH 8 CHL NVR</b> | ETHERNET PORT1*10/100 BASE-T<br>8*10/100 BASE-T (POE POWER SUPPLY),<br>POE POWER CONSUMPTIONPORT1≤60W,<br>PORT2-8≤30W, TOTAL≤96W,<br>LAYER TWO COMMERCIAL SWITCH· SUPPORTS IEEE802.3,<br>IEEE802.3U AND IEEE802.3X STANDARDS· MAC AUTO LEARNING, AGING,<br>MAC ADDRESS CAPACITY IS 2K· SUPPORTS MDI/MDIX SELF-ADAPTATION· SUPPORT POE, POE+, HI-POE· ADOPTS METAL ENCLOSURE   |  |             |             |
| 17.                 | <b>16 PORT POE NETWORK SWITCH WITH 16/32 CHL NVR</b>            | 16*10/100MBPS PORTS,<br>1*GIGABIT COMBO PORT,<br>SUPPORT PORT AUTO FLIPPING (AUTO MDI / MDIX)· PORT 1- 2 SUPPORT THE MAXIMUM POWER OF 60W, POE OUTPUT TOTAL POWER UP TO 135W· COMPLIANT IEEE 802.3, IEEE 802.3U, IEEE802.3AB, IEEE802.3X STANDARDS· SUPPORTS IEEE802.3AF, IEEE802.3AT, HI-POE STANDARDS· SUPPORTS NORMAL WORKING MODE, PORT ISOLATION (VLAN) MODE, MONITORING MODE, NETWORK EXTEND MODE. · SUPPORTS STORE-AND- FORWARD· SUPPORTS IEEE802.3X FLOW CONTROL FOR FULL-DUPLEX MODE AND BACKPRESSURE FOR HALF-DUPLEX MODE· 4K ENTRY MAC ADDRESS TABLE WITH AUTO-LEARNING AND AUTO-AGING· LED INDICATORS FOR MONITORING POWER, LINK AND ACTIVITY |  |             |             |
| 18.                 | <b>24 PORT POE NETWORK SWITCH WITH 32</b>                       | ETHERNET PORTSTWO (2) 1000 BASE-X PORTS (COMBO PORTS)TWO (2) 10/100/1000  |  |             |             |

| <b>CCTV SYSTEM:</b> |   |   |  |             |             |
|---------------------|---|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>   | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
|                     | <b>CHL NVR</b>  | BASE-T PORTS 24 10/100 BASE-T PORTS (POE POWER SUPPLY, POE FEATURES• HI-POE: PORTS 1 AND 2CONSUMPTION: UP TO 60 W PER PORT• IEEE802.3AF, IEEE802.3AT: PORTS 3 TO 24CONSUMPTION: UP TO 30 W PER PORT• ENHANCED POE (EPOE): PORTS 1 TO 8• TOTAL POE BUDGET: ≤ 360 W,LAYER 2 MANAGED NETWORK EPOE SWITCH •SUPPORTS LONG DISTANCE EPOE TRANSMISSION, UP TO 800 M (2524 FT) •SUPPORTS IEEE, E100, AND E10 TRANSMISSION MODES (PORTS 1 TO 8)•SUPPORTS TWISTED-PAIR AND COAXIAL CABLE TRANSMISSION (PORTS 1 TO 8)•SUPPORTS POE MANAGEMENT, GREEN POE, AND LEGACY SUPPORT |  |             |             |
| 19.                 | <b>MONITOR- LED 27"</b>                                       | 27" SURVEILLANCE GRADE MONITOR WITH HDMI & VGA INPUT (SAMSUNG/LG)   |  |             |             |
| 20.                 | <b>CAT 6 CABLE</b>  | CAT 6, CORE DIAMETER 0.585MM, 305M CCA, TRANSMISSION DISTANCE UPTO 85M, PER METRE   |  |             |             |
| 21.                 | <b>ARMOURED CAT 6 CABLE</b>                                   | ARMOURED CAT 6, CORE DIAMETER 0.585MM, 305M CCA, TRANSMISSION DISTANCE UPTO 85M), PER METRE   |  |             |             |
| 22.                 | <b>RACK 4 U WITH LOCK AND FAN , FOR 4 &amp; 8 CHANNEL NVR</b> | FRONT DOOR WITH TOUGHENED GLASS QUALITY, ADJUSTABLE MOUNTING RAILS - FRONT AND BACK, 1 FAN MOUNTING PROVISION, TOP AND BOTTOM CABLE ENTRY PROVIDES, OPTIMAL FLEXIBILITY FOR CABLE MANAGEMENT, EASY WALL MOUNT PROVISION, EASY INSTALLATION - STANDING/WALL MOUNTING OPTION, FRAME STRUCTURE WITH MAX LOADING CAPACITY UP TO 60 KG   |  |             |             |

| <b>CCTV SYSTEM:</b> |  |   |  |             |             |
|---------------------|--|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>  | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 23.                 | RACK 6 U WITH LOCK AND FAN, FOR 16 & 32 CHANNEL NVR              | FRONT DOOR WITH TOUGHENED GLASS QUALITY, ADJUSTABLE MOUNTING RAILS - FRONT AND BACK, 1 FAN MOUNTING PROVISION, TOP AND BOTTOM CABLE ENTRY PROVIDES, OPTIMAL FLEXIBILITY FOR CABLE MANAGEMENT, EASY WALL MOUNT PROVISION, EASY INSTALLATION - STANDING/WALL MOUNTING OPTION, FRAME STRUCTURE WITH MAX LOADING CAPACITY UP TO 60 KG |  |             |             |
| 24.                 | OFFSITE ATM CCTV DVR WITH BUILT-IN 7 INCH SCREEN                 | EL/UN CERTIFIED. TRIBRID: SUPPORT HDCVI/ANALOG/IP VIDEO INPUT, HIGH PROFILE H.264 DUAL-STREAM VIDEO COMPRESSION, HDMI/VGA/TV SIMULTANEOUS VIDEO OUTPUT, ONVIF VERSION 2.3 CONFORMANCE, SUPPORT 2SATA HDDS UP TO 20TB, MULTIPLE NETWORK MONITORING: WEB VIEWER, CMS(DSS/SMART PSS)&SMART PHONE(DMSS), BUILT-IN 7 INCH SCREEN       |  |             |             |
| 25.                 | HD DVR/XVR(PENTA BRID) -4 CHANNEL WITH 01 SATA HDD PORT, ONVIF   | 4 CHANNEL, HD DVR/ XVR,UL/ EN / EU/ CE CERTIFIED, SUPPORTING PENTA BRID CAMERA TECHNOLOGIES( CVBS/HDTV/ HDCVI/IP/ANALOG), WITH 01 SATA HDD SUPPORT, ONVIF.  |  |             |             |
| 26.                 | HD DVR/XVR(PENTA BRID) -08 CHANNEL WITH 02 SATA HDD PORTS, ONVIF | 08 CHANNEL, HD DVR/ XVR, UL/ EN / EU/ CE CERTIFIED, SUPPORTING PENTA BRID CAMERA TECHNOLOGIES( CVBS/HDTV/ HDCVI/IP/ANALOG), WITH 02 SATA HDD SUPPORT, ONVIF.  |  |             |             |
| 27.                 | 2 MP HD FIXED DOME IR COLOUR CAMERA, WITH WDR                    | MINIMUM 2 MP, WITH GLASS LENSES, WITH WDR AND ALL IN ONE TECHNOLOGY ( SUPPORTING HDTV/ HDCVI/AHD/CVBC), ( UL/ EN/EU/CE CERTIFIED)   |  |             |             |
| 28.                 | 2 MP HD INFRARED BULLET CAMERAS WITH WDR                         | MINIMUM 2 MP, WITH GLASS LENSES, WITH WDR AND ALL IN ONE TECHNOLOGY( SUPPORTING HDTV/ HDCVI/AHD/CVBC), ( UL/ EN/EU/CE CERTIFIED)  |  |             |             |

| <b>CCTV SYSTEM:</b> |   |  |  |             |             |
|---------------------|---|--|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>   | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>  | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 29.                 | RG 6 CO-AXIAL UN ARMoured VIDEO CABLE   | RG 6 CO-AXIAL UN ARMoured VIDEO CABLE, PER METER   |  |             |             |
| 30.                 | POWER CABLE OF 2 CORE COPPER CONDUCTOR 2 X 1.0 SQ MM  | POWER CABLE OF 2 CORE COPPER CONDUCTOR 2 X 1.0 SQ MM, PER METER  |  |             |             |
| 31.                 | 12 V 5 AMP, SMPS POWER SUPPLY FOR CAMERAS   | 12V 5 AMP  |  |             |             |
| 32.                 | 12V ,10 AMP SMPS POWER SUPPLY FOR CAMERAS   | 12V 10 AMP   |  |             |             |
| 33.                 | 12 V 20 AMP, SMPS POWER SUPPLY FOR CAMERAS  | 12V 20 AMP   |  |             |             |
| 34.                 | PVC ROUND CONDUIT WHITE COLOUR  | PVC ROUND CONDUIT WHITE COLOUR, PER METRE  |  |             |             |
| 35.                 | PVC FLAT CONDUIT WHITE COLOUR   | PVC FLAT CONDUIT WHITE COLOUR, PER METRE   |  |             |             |
| 36.                 | WIRELESS MOUSE  | WIRELESS MOUSE   |  |             |             |
| 37.                 | RJ45 TO HDMI EXTENDER(ON LY WHERE THE DISTANCE BETWEEN NVR/XVR AND MONITOR IS MORE THAN 60 MTR) | EXTENDS HDMI SIGNAL OVER ONE CAT 5E / 6 CABLE, MAX DATA RATE - 3.4 GBPS, HDMI 1.3 AND HDCP COMPLIANCE, TRANSMISSION RANGE UP TO 100 METERS AT 1080P RESOLUTION, RESOLUTION : UP TO 1080P / 60 HZ / 48 BITS, DISTANCE : 100 MTR (MAX), HDMI CONNECTOR : TYPE A POWER SUPPLY : REGULATED 5V / 2AMP, POWER CONSUMPTION : 1.2 AMP (MAX), TEMPERATURE : 0 TO 55 DEGREE C. |  |             |             |
| 38.                 | HDMI CABLE 5MTR , 10 MTR, 20 MTR  | HDMI VERSION 1.4 (HIGH DEFINITION MULTIMEDIA INTERFACE) GOLD PLATED CABLE PROVIDES AN UNCOMPRESSED DIGITAL LINK BETWEEN CONSUMER ELECTRONICS EQUIPMENT.  |  |             |             |

| <b>CCTV SYSTEM:</b> |   |  |  |             |             |
|---------------------|---|--|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>   | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>  | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 39.                 | VGA CABLE 5MTR, 10MTR, 20 MTR                                       | VGA HDDB 15 MALE TO MX HDDB 15 MALE PLUG CORD WITH FERRITE IS A LEAD USED FOR TRANSMITTING VIDEO SIGNALS. MX VGA CORD MOST COMMONLY USED TO LINK COMPUTERS WITH MONITORS. HOWEVER IT IS NOW USED ON SOME HIGH DEFINITION TELEVISIONS. MX VGA CABLE ARE ALWAYS USED SOLELY TO CARRY ANALOG COMPONENT RGBHV (RED - GREEN - BLUE - HORIZONTAL SYNC - VERTICAL SYNC) VIDEO SIGNALS ALONG WITH DATA.                        |  |             |             |
| 40.                 | POE INJECTOR( WHERE LENGTH OF 01 CAMERA CABLE IS MORE THAN 100 MTR) | COMPLIES WITH IEEE802.3AF STANDARD, DELIVERS POWER AND DATA OVER THE SINGLECABLE UP TO 100 METERS,NO POWER CABLING FOR ETHERNETNETWORK DEVICE,ADVANCED AUTO-SENSING ALGORITHMENABLES PROVIDING POWER WITH 802.3AF ,PDSUPPORTS POWER CLASSI CATION,AUTO-DETERMINE THE NECESSARY POWER REQUIREMENTSHIGH SAFETY WITH SHORT CIRCUIT PROTECTIONPLUG & PLAY INSTALLATION, REQUIRES NOCON GURATIONEXTERNAL 48VDC POWER SUPPLY |  |             |             |
| 41.                 | HDMI SPLTTER  | FOR CONNECTING TWO MONITORS FROM NVR/XVR   |  |             |             |
| 42.                 | VGA SPLITTER  | FOR CONNECTING TWO MONITORS FROM NVR/XVR   |  |             |             |
| 43.                 | HDMI SWITCHER 1X2( 1 OUTPUTX02 INPUTS)                              | FOR CONNECTING TWO NVRS/XVRS TO SINGLE MONITOR   |  |             |             |
| 44.                 | VGA SWITCHER 1X2( 1 OUTPUTX02 INPUTS)                               | FOR CONNECTING TWO NVRS/XVRS TO SINGLE MONITOR   |  |             |             |
| 45.                 | 64 GB MICRO SD CARD   | 64 GB  |  |             |             |

| <b>CCTV SYSTEM:</b> |   |   |  |             |             |
|---------------------|---|---|--|-------------|-------------|
| <b>S No</b>         | <b>ITEM</b>   | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b> | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 46.                 | 128 GB MICRO SD CARD  | 128 GB  |  |             |             |
| 47.                 | SURGE PROTECTOR WITH 6 SOCKETS ( IN LIGHTNING EFFECTED/ HEAVY POWER FLUCTUATIONS AREAS) | 6 SOCKETS   |  |             |             |
| 48.                 | WIRED MOUSE   | WIRED MOUSE   |  |             |             |
| 49.                 | INSTALLATION CHARGES FOR COMPLETE NEW CCTV SYSTEM                                       |   |  |             |             |
| 50.                 | SHIFTING & REINSTALLATION CHARGES FOR CCTV SYSTEM                                       |   |  |             |             |
| 51.                 | BUYBACK RATE FOR OLD CCTV SYSTEMS (EXCEPT HDD)  |   |  |             |             |

**FINANCIAL BID AS PER TECHNICAL SPECIFICATIONS**

| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |                                    |  |  |             |             |
|--|------------------------------------|--|--|-------------|-------------|
| <b>S.N</b>                                       | <b>ITEM</b>                        | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>  | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 1.   | SMART BRANCH SECURITY ALARM SYSTEM | 1.CONTROL PANEL WITH ONBOARD KEY PAD.<br>2.GSM BASED INBUILT AUTO DIALER, CMS ENABLED (COMPATIBLE TO ANY THIRD PARTY CMS THROUGH PSTN, GSM(GPRS) & IP, MINIMUM ANY TWO) AS PER BANK REQUIREMENT. 3. SIMULTANEOUSLY AUTO DIALS PRESET NUMBERS AS WELL AS SEND ALERTS TO CMS. 4. INBUILT BATTERY BACK UP. 5. SHOULD SUPPORT AND COMMUNICATE ALERTS TO ANY THIRD PARTY CMS/HEALTH MONITORING SOFTWARE, READILY, AND THE PROTOCOL FOR COMMUNICATION SHOULD NOT BE BOUND OR LIMITED TO ANY PROPRIETARY SOFTWARE OR PROTOCOL OF THEIR OWN. SHOULD COMMUNICATE VIA SIA DC 09/CONTACT ID/CONTACT IP OR ANY INTERNATIONAL OPEN SOURCE INTRUSION PROTOCOLS. 6. SHOULD SUPPORT ZONE DOUBLING AND/OR ZONE EXPANDERS. 7. MINIMUM FEATURES: AUTO ACTIVATION ON GROUPS/PARTITION ON PRESET TIME, ARM/DISARM THROUGH SMS/IVR USING SECURE PASSKEYS, BYPASS FAULTY COMPONENTS, MINIMUM 10 PASSWORD ACCESS, PROVISION TO STORE LOGS AND EXPORT TO EXCEL, HEALTH BEAT FOR HEALTH CHECKUP MONITORING SOFTWARE , FREE PROGRAMMING SOFTWARE, FREE MOBILE MONITORING APP. |  |             |             |

| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |  |   |  |             |             |
|--|--|---|--|-------------|-------------|
| <b>S.N</b>                                       | <b>ITEM</b>  | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>   | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
| 2.   | KEY PAD COMPATIBLE WITH SMART PANEL (OF THE SAME MAKE AS IN SL NO: 01 above)                       | FOR REPLACEMENTS ONLY   |  |             |             |
| 3.   | ZONE EXPANDING MODULE  | 8 ZONE EXPANDER COMPATIBLE WITH BRAND OF SMART PANEL AS IN SL NO: 1 (AND/OR) 3 TO GO WITH SMART PANEL   |  |             |             |
| 4.   | CONVENTIONAL BRANCH BURGLAR ALARM CONTROL PANEL WITH SPEECH AUTO DIALER AS A PACKAGE               | OPERATING VOLTAGE 180-240 V, WITH EXTENDABLE ZONE INDICATOR, CAPABLE OF CATERING FOR ATLEAST 15 ALARM SENSORS WITH BATTERY BACKUP. WITH DAY AND NIGHT MODE WITH KEY/CODE TYPE OPERATIONS, METAL CASE WITH PSTN SPEECH AUTO DIALER INCLUDED. |  |             |             |
| 5.   | CONVENTIONAL GSM SPEECH AND SMS AUTO DIALER COMPATTIBLE TO CURRENTLY INSTALLED CONVENTIONAL PANELS | GSM BASED, 03 VOICE MESSAGES, MIN 10 TELEPHONE NUMBERS  |  |             |             |
| 6.   | CONVENTIONAL SOUNDERS  | 4WIRED CONVENTIONAL SOUNDERS( 02 FOR POWER & 02 FOR TAMPER), MIN 120 DB   |  |             |             |
| 7.   | SOUNDER WITH INBUILT BATTERY BACKUP  | SOUNDER WITH MIN 120DB SOUND LEVEL, THAT SUPPORTS THE EVENTS OF TAMPER OR POWER CUT TO THE SOUNDER. HAVING UNBUILT BATTERY BACKUP FOR 24 HRS MIN  |  |             |             |
| 8.   | PIR SENSORS(PET SAFE)  | PIR SENSORS WITH QUAD LINEAR TECHNOLOGY, WITH PET IMMUNITY UPTO 25 KG   |  |             |             |
| 9.   | PANIC SWITCHES   | MICRO SWITCH TECHNOLOGY, AUTO RESET BUTTON, INBUILT TAMPER, STURDY ABS HOUSING WITH STAINLESS STEEL FINISH COVER PLATE  |  |             |             |
| 10.  | CASH CABIN ALARM   | WITH MAGNETIC CONTACT AND BEEP SOUND TO ALERT THE CASHIER WHEN THE CASH   |  |             |             |



| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |  |  |   |      |      |
|--|--|--|---|------|------|
| S.N  | ITEM   | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION   | BRANDS & MODELS (WITH WARRANTY 2 YEARS) | UNIT | RATE |
|  |  | CABIN DOOR IS OPEN. WITH/WITHOUT INBUILT BATTERY. DELAY ADJUSTABLE.  |   |      |      |
| 11.  | MAGNETIC CONTACT   | METAL MAGNETIC CONTACT SMALL   |   |      |      |
| 12.  | VIBRATION SENSOR   | WITH ADJUSTABLE SENSITIVITY SENSOR   |   |      |      |
| 13.  | SHUTTER SENSOR   | SECUIRCO/ EQUIVALENT   |   |      |      |
| 14.  | GLASS BREAK SENSOR   | GLASS BREAK SENSOR   |   |      |      |
| 15.  | SMART STANDALONE FIRE ALARM SYSTEM INCLUDING CONTROL PANEL WITH ONBOARD KEYPAD AND GSM BASED AUTO DIALER           | 2 ZONE AND 4 ZONE SMART FIRE PANEL WITH CAPACITY OF 20 SMOKE DETECTORS PER ZONE. METAL CASE WITH GSM AUTO DIALER. WIFI CLOUD CONNECTIVITY ON ANDROID APP. GSM/IP COMPATIBILITY FOR CONNECTIVITY TO THIRD PARTY CMS IN FUTURE THROUGH OPENSOURCE PROTOCOLS.OPERATING VOLTAGE 180-240 V WITH VISUAL ZONE INDICATORS MAINS, BATTERY, SHOWING FIRE , OPEN, SHORT FAULT, RESET , ZONE AND HOOTER TESTS, ETC, PUSH BUTTONS TO DISABLE AUDIO ALARM WITH BATTERY BACKUP. |   |      |      |
| 16.  | OPTICAL SMOKE DETECTOR   | DUST PROOF, MOTH PROOF   |   |      |      |
| 17.  | HEAT DETECTOR  | CONVENTIONAL HEAT DETECTOR WITH WITH 360 DEGREES DIRECTION WITH MIN 25 DEGREES TRIGGER   |   |      |      |
| 18.  | RESPONSE INDICATOR   | FOR ANY FIRE DETECTOR  |   |      |      |
| 19.  | MCP  | FOR FIRE ALARM,  |   |      |      |
| 20.  | ADDRESSABLE FIRE ALARM SYSTEM WITH GSM BASED AUTO DIALER (WITH PA SYSTEM) FOR MULTI STORY BUILDING - WITH TWO LOOP | MICROPROCESSOR BASED ADDRESSABLE TYPE FIRE ALARM CONTROL PANEL.THE PANEL SHOULD BE EQUIPPED WITH SUFFICIENT NUMBERS OF LOOP WITH 20% SPARE CAPACITY. FOUR ACCESS LEVELS, CAPABLE OF AUTO LEARN DEVICES, FLASH EPROM SUFFICIENT   |   |      |      |

| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |   |  |  |             |             |
|--|---|--|--|-------------|-------------|
| <b>S.N</b>                                       | <b>ITEM</b>                               | <b>MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION</b>  | <b>BRANDS &amp; MODELS (WITH WARRANTY 2 YEARS)</b> | <b>UNIT</b> | <b>RATE</b> |
|  | <b>SYSTEM</b>                             | <p>NUMBERS OF PROGRAMMABLE RELAY CONTROLS FOR CONTROLLING AHUS, PRESSURIZATION FANS, VENTILATION FANS AT FIRE PUMP ROOM, MONITORING OF FIRE SPRINKLER AND FIRE HYDRANT PUMP, 240 VOLTS AC POWER SUPPLY, AUTOMATIC BATTERY CHARGER, 24 VOLTS SEALED LEAD ACID BATTERIES SUFFICIENT FOR 24 HOURS NORMAL WORKING AND THEN BE CAPABLE OF OPERATING THE SYSTEM FOR 2 HOURS DURING AN EMERGENCY CONDITIONS.4. SHOULD STORE 2100 EVENT WITH REAL TIME CLOCK WITH COUSE AND EFFECT UP TO 99 GROUPING FACILITY,2. INBUILT MODBUS FACILITY, SUPPORTS MICRO USB INTERFACE FOR PC CONNECTIVITY AND RS 485 COMMUNICATION FACILITY FOR NETWORK / REPEATER,7. SHOULD BE COMPATIBLE WITH THIRD PARTY CMS USING ITS OWN IP MODULE FOR COMMUNICATING OPEN PROTOCOLS LIKE SIA DC 09 PROTOCOL OR CONTACT ID. THE PANEL SHOULD CERTIFIED EN 54-2 AND EN54-4</p> |  |             |             |
| 21.  | <b>ADDRESSABLE OPTICAL SMOKE DETECTOR</b> | <p>ADDRESSABLE OPTICAL SMOKE DETECTOR WITH ALARM LED'S AND MOUNTING BASE. APPROVALS- LPCB, VDS,UL</p>  |  |             |             |
| 22.  | <b>ADDRESSABLE HEAT DETECTOR</b>          | <p>ADDRESSABLE OPTICAL HEAT DETECTOR WITH ALARM LED'S AND MOUNTING BASE. APPROVALS- LPCB, VDS,UL</p>   |  |             |             |
| 23.  | <b>ADDRESSABLE SOUNDER/ FLASHER</b>       | <p>ADDRESSABLE HOOTER CUM STROBE. APPROVALS- LPCB</p>  |  |             |             |
| 24.  | <b>ADDRESSABLE INPUT/ OUTPUT</b>          | <p>I/O UNIT PROVIDES SUPERVISION OF ONE OR MORE</p>  |  |             |             |

| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |  |   |   |      |      |
|--|--|---|---|------|------|
| S.N  | ITEM                                       | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION  | BRANDS & MODELS (WITH WARRANTY 2 YEARS) | UNIT | RATE |
|  | MODULES                                    | NORMALLY OPEN CONTACTS CONNECTED TO A SINGLE PAIR OF CABLES AND A SET OF CHANGEOVER RELAY OUTPUT CONTACTS. APPROVALS- LPCB,VDS  |   |      |      |
| 25.  | ADDRESSABLE MANUAL CALL POINT              | ADDRESSABLE MANUAL CALL POINT WITH KEY FOR RST PURPOSE, APPROVALS- VNIPO (ALL RUSSION INSTITUTE FOR FIRE PROTECTION CERTIFICATE)  |   |      |      |
| 26.  | SWITCH MONITOR MODULE                      | ADDRESSABLE MONITOR MODULES FOR SPRINKLER FLOW SWITCH AND FOR OFFICE ETC. IT IS DESIGN TO MONITOR SINGLE POLE, VOLT FREE CONTACTS LIKE CONVENTIONAL DEVICES. APPROVALS- LPCB,VDS  |   |      |      |
| 27.  | ZONE MONITOR MODULE                        | ZONE MONITOR WITH ISOLATOR POWERS AND CONTROLS THE OPERATION OF A ZONE OF UP TO 20 ORBIS. IN BUILD BIDIRECTIONAL SHORT CIRCUIT ISOLATOR APPROVALS-LPCB,VDS  |   |      |      |
| 28.  | ADDRESSABLE FLAME DETECTOR                 | THE INTELLIGENT BASE MOUNTED UV FLAME DETECTOR IS DESIGNED TO PROTECT ENCLOSED INDOOR AREAS WHERE OPEN FIRES MAY BE EXPECTED. THE DETECTOR HAS A FAST ACTING RESPONSE TO FLAMES UP TO 25M AWAY AND IS EQUIPPED WITH A SINGLE UV SENSOR WITH A NARROW SPECTRAL RESPONSE IN ORDER TO DISCRIMINATE BETWEEN FLAMES AND MOST SPURIOUS SOURCES OF RADIATION |   |      |      |
| 29.  | BATTERY                                    | 12V 7 AH  |   |      |      |
| 30.  | ARMORED CABLE 2 CORE 1.5 SQ MM, ISI MARKED | FOR FIRE DETECTORS  |   |      |      |
| 31.  | CABLE OF 2 CORE COPPER <u>SHIELDED</u>     | FOR SIREN AND SWITCHES OF INTRUSION ALARM   |   |      |      |

| <b>ELECTRONIC BURGLAR AND FIRE ALARM SYSTEMS</b> |   |  |   |      |      |
|--|---|--|---|------|------|
| S.N  | ITEM  | MINIMUM DESIRED SPECIFICATIONS FOR SUPPLY AND INSTALLATION             | BRANDS & MODELS (WITH WARRANTY 2 YEARS) | UNIT | RATE |
|  | 2 X<br>1.0 SQ MM,<br>FLEXIBLE WIRE.<br>(NOT REGULAR<br>OR ARMOURED)   |  |   |      |      |
| 32.  | CABLE OF 4 CORE<br>COPPER <u>SHIELDED</u><br>4 X<br>0.5 SQ MM,<br>FLEXIBLE WIRE<br>(NOT REGULAR<br>OR ARMOURED) | FOR PIR, VIBRATION<br>SENSOR AND INCOMING<br>POWER SUPPLY FOR<br>PANEL |   |      |      |
| 33.  | PVC ROUND<br>CONDUIT WHITE<br>COLOUR  |  |   |      |      |
| 34.  | BLACK CONDUIT   |  |   |      |      |
| 35.  | SURGE<br>PROTECTOR WITH<br>6 SOCKETS ( IN<br>LIGHTNING<br>EFFECTED/<br>HEAVY POWER<br>FLUCTUATIONS<br>AREAS)    | 6 SOCKETS  |   |      |      |
| 36.  | INSTALLATION<br>CHARGES FOR<br>COMPLETE NEW<br>FAS & BAS  |  |   |      |      |
| 37.  | SHIFTING &<br>REINSTALLATION<br>CHARGES FOR<br>FAS & BAS  |  |   |      |      |
| 38.  | BUYBACK RATE<br>FOR OLD FAS   |  |   |      |      |
| 39.  | BUYBACK RATE<br>FOR OLD BAS   |  |   |      |      |

**FINANCIAL BID AS PER TECHNICAL SPECIFICATION**

| <b>BIOMETRIC ACCESS CONTROL (BACS) SYSTEMS</b> |                                 |  |                         |             |             |
|--|---------------------------------|--|-------------------------|-------------|-------------|
| <b>S.NO.</b>                                   | <b>NAME</b>                     | <b>SPECIFICATIONS</b>  | <b>BRAND/MODEL/MAKE</b> | <b>UNIT</b> | <b>RATE</b> |
| 1  | BACS with Face + Fingerprint    | <ul style="list-style-type: none"> <li>· 4.3-inch LCD touch screen; resolution 480 × 272</li> <li>· 2MP wide-angle dual lens camera; support DWDR, white light fill light and IR fill light</li> <li>· Support face, card, password ,fingerprint unlock and unlock through their combinations; support unlock by period</li> <li>· Support QR code unlock for visitors</li> <li>· User data can be stored at the access controller; can hold 6000 face images and work without network</li> <li>· Face-camera distance: 0.3 m-1.5 m</li> <li>· Face verification accuracy 99.5%; face comparison speed 0.3s per person; low false recognition rate; support liveness detection; support anti-fake</li> </ul> |                         |             |             |
| 2  | BACS without Finger (with Face) | <ul style="list-style-type: none"> <li>· 4.3 inch glass touch screen with a resolution of 480 × 272.</li> <li>· 2-MP wide-angle dual-lens camera with IR illumination and DWDR.</li> <li>· Multiple unlock methods including face and password. You can also combine them to create your own personal unlock methods.</li> <li>· Supports mask detection.</li> <li>· Supports visitor QR code with DSS Pro Platform.</li> <li>· Recognizes faces 0.3 m to 1.5 m away (0.98 ft-4.92 ft).</li> <li>· Supports 3,000 users, 3,000 faces, 3,000 passwords, 5,000 cards, 50 administrators,</li> </ul>  |                         |             |             |

| <b>BIOMETRIC ACCESS CONTROL (BACS) SYSTEMS</b> |                            |   |                         |             |             |
|--|----------------------------|---|-------------------------|-------------|-------------|
| <b>S.NO.</b>                                   | <b>NAME</b>                | <b>SPECIFICATIONS</b>   | <b>BRAND/MODEL/MAKE</b> | <b>UNIT</b> | <b>RATE</b> |
|  |                            | and 300,000 records. · Liveness detection has a face recognition accuracy rate of 99.9% and the 1:N comparison time is 0.2 s per person. · Supports making video calls and using the app to receive alarm notifications, remotely unlock doors and to perform other tasks. · Supports customization of voice prompts.   |                         |             |             |
| 3  | BACS with only Fingerprint | · Material: Zinc alloy plate · Support card unlock, fingerprint unlock, and card&fingerprint unlock · Card reading frequency is 13.56MHZ; card reading distance is 1cm–3cm · Support both RS-485 protocol and Wiegand protocol · IP65, IK10 · Fingerprint Capacity: 3, 000 · Support duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, and illegal card exceeding time alarm · Support guest card, patrol card, VIP card, general user card, and card for the disabled |                         |             |             |
| 4  | Magnetic Lock              | 280KG Anti-pull. · Built-in reverse current protection device(MOV). · Aluminum shell with high strength alloy material. · Electromagnetic suction work completely, there is no mechanical failure. · Can be set DC12V or DC24V. · The residual magnetic design proof, wear materials. · Double  |                         |             |             |

| <b>BIOMETRIC ACCESS CONTROL (BACS) SYSTEMS</b> |                           |   |                         |             |             |
|--|---------------------------|---|-------------------------|-------------|-------------|
| <b>S.NO.</b>                                   | <b>NAME</b>               | <b>SPECIFICATIONS</b>   | <b>BRAND/MODEL/MAKE</b> | <b>UNIT</b> | <b>RATE</b> |
|  |                           | lock body insulation treatment. · Supports door detector signal feedback.   |                         |             |             |
| 5  | Exit button               | Features · Professional circuit design, no mechanical failure · Use fire fire retardant material , convenient installation · 500,000 times fatigue test and durability · Access control project designated accessory products |                         |             |             |
| 6  | BUYBACK RATE FOR OLD BACS |   |                         |             |             |

**FINANCIAL BID AS PER TECHNICAL SPECIFICATION:**

| <b>FIRE EXTINGUISHERS</b> |  |             |      |      |                 |
|---------------------------|--|-------------|------|------|-----------------|
| SL                        | PARTICULARS  | MAKE /MODEL | UNIT | RATE | REFILLING RATES |
| 1.                        | WATER 9 LTRS<br><b>Fire Extinguisher Water type cartridge operated / Latest.</b> Applicable fire class A , Jet Range 7 Meters, Average Discharge is 95%, <b>Fire Rating- 3A</b> , Can Construction : Deep drawn & CO2 Mig welded, Controllable discharge mechanism with EPDM Hose & Nozzle, CO2 gas Cartridge of 60 gm. External Pure Polyester Powder Coating, Construction as per latest IS 15683 : 2018 and ISI Marked.   |             |      |      |                 |
| 2.                        | WATER 9 LTRS<br><b>Fire Extinguisher Water type Stored Pressure / Latest.</b> Applicable fire class A , Jet Range 7 Meters, Average Discharge is 95%, <b>Fire Rating- 3A</b> , Can Construction : Deep drawn & CO2 Mig welded, CE Marked Valve with inbuilt NRV & Safety Release Provision, Controllable discharge mechanism with EPDM Hose & Nozzle, CO2 gas Cartridge of 60 gm. External Pure Polyester Powder Coating, Construction as per latest IS 15683 : 2018 and ISI Marked.   |             |      |      |                 |
| 3.                        | <b>DCP (MAP-90%) Stored Pressure type Fire extinguisher</b> filled with Mono Ammonium Phosphate Powder 90% confirm to IS 4308, Applicable on fire classes A, B & C, Controllable Discharge Mechanism with EPDM Hose & Open Nozzle, Average Discharge is 90%, <b>Fire Rating : 4A :144B ( For 4KG ) &amp; 6A : 183B ( For 6 KG)</b> , Can Construction : Deep drawn & MIG Welding technology, CE Marked Valve with inbuilt NRV & Safety Release Provision, Plastic base provided, External Coating - Pure Polyester Powder coating and Welding Procedure approved by TPI , Confirms to latest IS 15683 : 2018 and ISI Marked. |             |      |      |                 |
| 4.                        | ABC 4 Kg   |             |      |      |                 |
| 5.                        | ABC 6 Kg   |             |      |      |                 |



| <b>FIRE EXTINGUISHERS</b> |  |                    |             |             |                        |
|---------------------------|--|--------------------|-------------|-------------|------------------------|
| <b>SL</b>                 | <b>PARTICULARS</b>   | <b>MAKE /MODEL</b> | <b>UNIT</b> | <b>RATE</b> | <b>REFILLING RATES</b> |
| 6.                        | <b>CO2 High Pressure portable Fire Extinguisher</b> , filled with CO2 Gas as per IS 15222, Control discharge mechanism fitted with Bend pipe and Discharge Horn, , Applicable on Class B, C and electrically started Fire, Fire Rating 21B (For 2Kg), 34B (For 3Kg) & 55B (For 4.5Kg), Powder Coated Handle, Valve Confirm to IS 3224 ISI Marked, CO2 Cylinder construction: bearing ISI mark, Body confirms to IS 7285, Extinguishers confirmed to latest IS 15683 : 2018 and ISI marked. |                    |             |             |                        |
| 7.                        | CO2 2 Kg.  |                    |             |             |                        |
| 8.                        | CO2 3 Kg.  |                    |             |             |                        |
| 9.                        | CO2 4.5 Kg.  |                    |             |             |                        |
| 10.                       | <b>Automatic Modular type Fire Extinguishers Clean Agent Based</b> gas which is Electrically nonconductive, non-corrosive, colorless and non-residual clean agent Suitable for Class A, B, C, and electrical fires, low toxicity, also its replacement for Halon 1211, Halon 1201, UGTS Pressure Gauge, Brass forged sprinkler valves, Heat Sensitive Glass bulb of 68 ° C. having HFC-236fa / HFC-227ea / FK 5-1-12   |                    |             |             |                        |
| 11.                       | Clean agent 5 Kg   |                    |             |             |                        |
| 12.                       | <b>Automatic Modular type Fire Extinguishers ABC (MAP-90%) Mono Ammonium Phosphate powder 90%</b> Confirms to IS 4308, Applicable Fire Classes A, B & C, UGTS Pressure Gauge, Body Construction DeepDrawn with MIG Welding technology, Brass forged sprinkler valves with Nozzle is specially designed to give more than 99% discharge. Together with orifice characteristic to cover adequately fire risks with scattering cone of 40 to 45° Angle. Heat Sensitive Glass bulb of 68 ° C.  |                    |             |             |                        |
| 13.                       | ABC Powder 5 Kg  |                    |             |             |                        |
| 14.                       | <b>DLP (Direct Low Pressure) Type Automatic Panel Gas Suppression System Filled with FK 5-1-12 Clean Agent UL Listed / FM Approved</b> , Gas shall have Zero Ozone Depletion Potential, Low GWP (1 or Less Than), EPA  |                    |             |             |                        |

| <b>FIRE EXTINGUISHERS</b> |   |             |      |      |                 |
|---------------------------|---|-------------|------|------|-----------------|
| SL                        | PARTICULARS   | MAKE /MODEL | UNIT | RATE | REFILLING RATES |
|                           | & SNAP Approved, System Pressurized with Dry Nitrogen, UL Listed Heat Sensing Polyamide Tube, Epoxy Polyester Powder Coating. End of Line Adapter with Pressure Gauge for Monitor Tube Pressure, <b>Pressure Switch (UL Listed / LPCB Approved)</b> and shall be connected with Master Control Unit for A/V Alarm in case of Fire, Cylinder tested 100% Hydraulic Pressure., System shall be pressurized with 16 Bar. |             |      |      |                 |
| 15.                       | 2 Kg DLP type with Heat Sensing Polyamide tube (UL Listed) 5 Mtr  |             |      |      |                 |
| 16.                       | 4 Kg DLP type with Heat Sensing Polyamide tube (UL Listed) 10 Mtr   |             |      |      |                 |
| 17.                       | T Connector for tube based suppression  |             |      |      |                 |
| 18.                       | Pressure Switch (UL Listed / LPCB Approved) for tube based suppression  |             |      |      |                 |
| 19.                       | Master Control Unit with A/V Alarm  |             |      |      |                 |
| 20.                       | End of Line Plug for tube based suppression   |             |      |      |                 |
| 21.                       | End of Line Adapter with Pressure Gauge for tube based suppression  |             |      |      |                 |
| 22.                       | UL Listed Fire Detection Polyamide Tube   |             |      |      |                 |
| 23.                       | Buyback rate for old Fire extinguisher  |             |      |      |                 |

| <b>Other ACCESSORIES:</b> |  |             |
|---------------------------|--|-------------|
| <b>S No</b>               | <b>Accessories</b>   | <b>Rate</b> |
| 1.                        | Valve / Sprinkler for 2 & 5 kg capacity modular type                           |             |
| 2.                        | Squeeze grip valve ABC 2 kg  |             |
| 3.                        | Squeeze grip valve ABC 4 kg  |             |
| 4.                        | Squeeze grip cap ABC 4 kg.   |             |
| 5.                        | Squeeze grip cap ABC/DCP 6 kg.   |             |
| 6.                        | Squeeze grip cap for water CO2 9 ltr   |             |
| 7.                        | Valve for CO2 type. IS:3224  |             |
| 8.                        | HOSE with HORN CO2 4.5 KGS (wire braided)                                      |             |
| 9.                        | Bend horn CO2 - 2/3 kgs  |             |
| 10.                       | Pressure gauge ABC / Modular   |             |
| 11.                       | Charge for hydraulic pressure testing (HPT) - DCP / WC02 type                  |             |
| 12.                       | Charge for hydraulic pressure testing (HPT) - ABC type                         |             |
| 13.                       | Charge for hydraulic pressure testing (HPT) - CO2 type                         |             |
| 14.                       | One time transportation charges for pickup & delivery for refilling per branch |             |
| 15.                       | Shifting Charges of fire extinguishers in case of branch shifting              |             |

**FINANACIAL BID FOR ANNUAL MAINTENANCE CONTRACT**

| NON COMPREHENSIVE AMC RATES IN INR<br>(EXCLUDING GST) |  |                     |                   |
|---|--|---------------------|-------------------|
| S.NO  | SECURITY DEVICES   | RATE PER<br>QUARTER | RATE PER<br>ANNUM |
| 1.  | AMC RATE PER BRANCH FOR CCTV SYSTEM  |                     |                   |
| 2.  | AMC RATE PER BRANCH FOR BURGLAR AND FIRE<br>ALARM SYSTEM (COMBINED)                |                     |                   |
| 3.  | AMC RATE PER CURRENCY CHEST FOR<br>BIOMETRIC ACCESS CONTROL SYSTEM & TIME<br>LOCK  |                     |                   |
| 4.  | AMC RATE FOR VISIT/ SERVICE/MAINTAINANCE<br>FOR FIRE EXTINGUISHERS PER BRANCH      |                     |                   |
| 5.  | REFILLING CHARGES OF ITEM WISE FIRE<br>EXTINGUISHERS (TO BE GIVEN AS PER SCHEDULE) |                     |                   |

NOTE: Service/maintenance for fire extinguisher in the Branches to be ensured as per IS2190

**Date:** \_\_\_\_\_ Signature of authorized signatory  
**Place:** \_\_\_\_\_ Seal of the company

\*\*\*\*\* **END OF DOCUMENTS** \*\*\*\*\*