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**Limited Tender
FOR
Finalizing Rate contract for
SUPPLY, INSTALLATION& MAINTENANCE OF SECURITY EQUIPMENTS (SREs)
IN BRANCHES /OFFICES / ATMs OF UNION BANK OF INDIA
KOZHIKODE REGION**

Ref No.ROK:PBOD:2891/2022-23 Dated 11/07/2022

This RFP Document contains 118 pages including this cover page.

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



BID DETAILS

RFP Reference No. and Date		Ref No.ROK:PBOD:2891/2022-23 Dated 11/07/2022
RFP Title	:	Request For Proposal (RFP) for finalizing the Rate contract for Supply, Installation & Maintenance of Security Equipment's (SREs) at Branches/ Offices/ ATM's under Union Bank of India- Kozhikode Region.
Document cost	:	Nil
Earnest Money Deposit	:	50000/-
Tender Start Date	:	14/07/2022 from 10:00AM onwards
Last Date/Time for receipt of Bid Document	:	29/07/2022at 11:00AM
Technical Bid Opening Date/Time	:	29/07/2022at 11:45AM
Pre Bid meeting Date/Time	:	16/07/2022, 11:00AM at Union Bank of India, Regional Office - Kozhikode.
Seek clarification Start/End Date &Time	:	14/07/2022, 11:00AM onwards to 29/07/2022, 11:00 AM
Place of Tender Opening & Address for communication	:	Union Bank of India Regional Office Kozhikode, 1st Floor, KSHB Complex, Vikas Nagar, Chakkorathukulam, East Hill Road, Kozhikode, Kerala - 673006. T +91 495 2772300 / +91 495 2772301 Email: rh.Kozhikode@unionbankofindia.com

REQUEST FOR PROPOSAL (RFP)

Union Bank of India, Regional Office - Kozhikode, invites **sealed quotations** in Two bid system from Empanelled Vendors, empanelled through notification number RFP NO. ROKZ/SEC/91/SRE/2020-21 Dated 23/11/2020 for forming Annual Rate Contract (ARC) for Supply, Installation and Maintenance of the following Security Equipments in Branches, Offices and ATMs in Kozhikode Region on as and when required basis from Manufacturers/Authorized Dealers/Suppliers who fulfill mandatory conditions/requirements as mentioned in the RFP.

- (1) Fire Alarm System with Sensors & Auto Dialer,
- (2) Electronic Alarm System with Sensors & Auto Dialer,
- (3) Embedded Stand-Alone DVR Based CCTV system,
- (4) NVR Based CCTV System,
- (5) Combi DVR Based CCTV System for ATMs,
- (6) Electronic Alarm System with Sensors for ATMs.
- (7) Time Lock (Analogue/ Digital)
- (8) Biometric Access Control System.

Responsibility of Procurement of Security Equipment for branches of Union Bank of India in Kozhikode Region is entrusted with Regional Office Kozhikode of Union bank of India and hereinafter will be referred as Regional Office (RO).

RFP Forms can be downloaded from banks website <https://www.unionbankofindia.co.in> and Government of India Procurement Portal <https://www.eprocure.gov.in> and is to be submitted in Tender box.

Date of commencement of issue of RFP	:	14/07/2022
Pre-Bid meeting	:	16/07/2022 at 11:00AM
Last Date/Time for submission of RFP	:	29/07/2022 Up to 11:00AM
Opening of Technical Bid Offer	:	29/07/2022 at 11:45AM

In case of any unexpected interruption due to events beyond control of the procurement committee, the process if interrupted will be continued on the subsequent working day at the scheduled time.

1. SCOPE OF WORK - RATE CONTRACT & CAMC

- 1.1 Annual Rate Contract for Supply and Installation of Security equipments namely Fire Alarm System with sensors and Auto dialer, Electronic Alarm System with sensors and Auto dialer, Embedded standalone DVR based CCTV system, NVR Based CCTV System, Time Lock (Analogue / Digital) and Biometric Access Control System in the Branches / Offices & Combi-DVR based CCTV & Electronic Alarm System in ATMs under

Kozhikode Region on, **as and when** required basis.

Union Bank of India Kozhikode Regional Office; herein after will be referred as Regional Office (RO).

Note-1: Kozhikode Region comprises of Districts viz. Kozhikode, Kannur, Kasargod, Mahe, Mallapuram, Palakkad & Wayanad. The branches are widely dispersed in a large geographical area across these districts. The scope of this contract pertains to all the Branches/ Offices/ATMs in the Region and not to the particular centre where RO is located.

Note-2: If Bank's Corporate Office or any higher office of Union Bank of India conducts Pan India Rate contract or in case of any policy change, RO Kozhikode will have the right to cancel this CAMC/ Rate contract. In such case notice of 01 (One) month will be served to the firm for termination of CAMC/ Rate contract and no claims will be entertained.

Note-3: Wherever convenient; subject Security equipments namely Fire Alarm System with sensors and Auto dialer, Electronic Alarm System with sensors and Auto dialer, Embedded standalone DVR based CCTV system, NVR Based CCTV System, Time Lock (Analogue / Digital), Biometric Access Control System & Combi-DVR based CCTV will be herein after **collectively termed as SREs** in RFP document.

- 1.2 Rate contract for Supply and Installation of SREs will be for the period of **01 (One) year**.
- 1.3 If both parties are willing to continue the contract at the same rate and terms and conditions it may extended for further one year subject to maximum period of **empanelled period**.
- 1.4 Comprehensive Annual Maintenance Contract of new equipment as well as existing equipment will also be for a period of 02 (Two) years. In short, all the equipments, i.e. New installation as well as those installed within a period of **last six years**, will fall under the Comprehensive Annual Maintenance Contract (CAMC).
- 1.5 If the equipment has completed the service life of 06 (SIX) Years and cannot be repaired economically, Service reports of such equipments are to be forwarded to the RO. The mode of Repairs / Maintenance of such equipments will be decided by the RO.
- 1.6 CAMC covers all Equipment, Cabling, Wiring, Controller etc. (irrespective of Make, Model and condition). Virtually the vendor has to keep the system in functional mode without charging anything extra to the Bank other than the CAMC charges agreed upon. The selected vendor has also to do the maintenance of existing equipment installed in branches of any other brand as per quoted rates.

- 1.7 As part of Comprehensive Annual Maintenance Contract, the vendor has to do mandatory Quarterly AMC visits in all Branches / Offices / ATMs allotted to them and have to ensure that all SREs are fully functional.
- 1.8 No AMC charges will be paid during warranty period. However the selected vendor will have to render services as and when required to ensure the functionality of equipment installed at the branches during Warranty period, where the equipment has been installed by them.
- 1.9 AMC of the existing equipments will be awarded to the Manufactures/ Authorized dealers if they are in the empanelled list.
- 1.10 The selected vendor has to take over the work from any vendor(s) who has / have provided unsatisfactory services to the Bank within a contract period.
- 1.11 At any point of time during the empanelment period, the empanelled vendor(s) should be willing to accept CAMC of existing equipment as per the requirement of Bank.

2. ELIGIBILITY CRITERIA FOR SHORT-LISTING

- 2.1 Vendor empanelled through RFP NO. ROKZ/SEC/91/SRE/2020-21 Dated 23/11/2020 are eligible for the same.
The following criteria shall be applied for Rate contract and for Short listing of Vendors. For this purpose vendors shall submit self-attested Copy of proof documents along with the Tender. Vendors not submitting self-attested Copy of proof documents and/or not conforming to any of these parameters will not qualify for Rate contract or Short listing.
- 2.2 The offer will be in two parts, **Technical Bid** and **Price Bid**. The tender documents should be submitted in original, duly signed and stamped on each page. FAX/Telegram/Telex or any form of electro communication will not be acceptable.

3. GENERAL CRITERIA

Good Product quality and Robustness: Products shall have either BIS/UL/FM/LPCB/VDS standard (Attested copy of proof to be submitted). The proposed / offered SREs should be of an established brand and should be in the market for last **05 (Five) years**.

Vendor should give a full demonstration at their own cost at RO Kozhikode or any other convenient site suitable to the bank at their own cost. Date and venue of equipment demonstration will be decided by RO Kozhikode.

After the demonstration if the procurement board 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.

4. TECHNICAL REQUIREMENTS

Technical requirements of SREs are elaborated in the succeeding paragraphs. Below mentioned specifications furnished are broad guidelines for the equipments. Wherever the specifications are not furnished or specific, the specification shall be as per their respective IS standards / ISO standards or as per best engineering practice and they shall not be diluted. The design standards, materials or components used in the manufacturing process shall all conform to the respective BIS Code and any other standards mentioned elsewhere in this tender as applicable. However, the following specifications, technical parameters, etc, are furnished by way of basic or minimum requirement for the end result. The vendor shall be solely responsible for the entire design/ specification, safety aspects of the entire equipment and related works as detailed in the tender notwithstanding the specifications furnished hereunder.

If in future Bank's higher office upgrades / renews the technical specifications of any of the system / sub assembly to a higher grade Bank will ask for fresh quotations from the empanelled vendors (Limited tender) and rates will be finalized accordingly.

5. **Important Note:-** All the equipment / components etc. should be of an established Make/Brand and easily available in the market for last **FIVE** years. Locally Assembled products are not acceptable and not to be offered. Products for which BIS standards exist should conform to those standards (Attested copies of proofs to be submitted).

5.1 TECHNICAL SPECIFICATIONS OF FIRE DETECTION AND ALARM SYSTEM

S.no.	System Parameter	Technical Specification
1.	<u>Control Panel</u>	<p>i. The primary function of the control panel shall be to automatically respond to the operation of one or more detectors to give fire alarm and to indicate area (zone) from where the devices are activated. Required specifications of Control Panel are as below:-</p> <p>ii. 2 Zone / 4 Zone Microprocessor based Master Control Panel as</p>

S.no.	System Parameter	Technical Specification
		per IS: 2189-2008. On activation it should initiate Audio alarm as well as visual signal on the control panel.
		iii. 2 Zone / 4 Zone Main Control Panel should be latest microprocessor technology based and as per IS:2189-2008.
		iv. The panel should be compatible with all type of standard conventional detectors.
		v. The Panel should have a manual OFF switch for manual operation in case of continuous fault alarm.
		vi. The Panel should have 2 or more zones and zone disable switches accordingly to the number of zones.
		vii. On activation it should initiate Audio alarm (The sound characteristic of the alarm should be continuous and similar throughout the protected premises) as well as visual signal on sector/zonal panel of the control panel.
		viii. Each zone can be connected with 20 conventional detectors.
		ix. Control Panel should have inbuilt SMPS with spike/ transient reduction circuit, to avoid any false alarming in case of transient/abrupt voltage fluctuations.
		x. Control Panel should have Test Certificate with details like Model No., Serial No., Zones, etc.
		xi. The Panel should have feature of continuous uninterrupted power supply in case of External Power supply failures. The battery backup with built battery charger for not less than 12 hours normal working.
		xii. Panel should be compatible for installation of external Auto-dialer - both PSTN and GSM types.
		xiii. The Panel should have approvals listing of BIS/ UL /LPCB/ FM/ VdS.
	(a) Power supply	The fire panel shall operate from a 230 v + / - 10 % 50Hz mains supply and in case of power failure shall automatically switch over to a built-in sealed maintenance free (SMF) battery with a switch over time of less than 100 ms
	(b) Display / Indication	Master Control Panel should have audible and visual indications of system status as under <ul style="list-style-type: none"> ➤ LCD display showing system status ➤ System ON indication (ON - OFF indicators) ➤ Fault status LED indication ➤ Low Battery / AC power off indications
	(c) Number of zones	i. Minimum 2 zones with Zone Isolation facility and loop voltage cut off.

S.no.	System Parameter	Technical Specification
		ii. The panel should have facility to isolate/open individual zones.
	(d) Lamp Test facility & Walk Test facility	i. The master control panel should be provided with Lamp Test facility & Walk Test facility. ii. The control panel should also have acknowledge, cancel, reset, isolation, silence, self-check buttons
2.	<u>Battery back up</u>	i. Battery backup of minimum 10 hours duration in normal working condition and 20 minutes in alarm activated condition (All hooters activated) thereafter. ii. Battery should be of sealed maintenance free (SMF) type with capacity of 14Ah or more. iii. Panel should have in built battery charger with over charging and deep discharging protection. iv. Battery Low visual warning with audible tone.
3.	<u>Smoke detectors</u>	i. The System should have smoke detectors of both ionization type (below false ceiling) and optical type (above false ceiling) conforming to the IS: 2189-2008. Both ionization and optical type smoke detectors will be installed in the ratio 2:1. (Note: If Ionization sensors are not available in market Optical sensors are to be used in lieu). ii. Smoke detector should have LED, which should flash periodically to indicate that the detector is in proper working mode and glow continuously if smoke is detected. iii. Smoke detectors should have approvals/ listing of BIS / UL/LPCB/ FM/ VdS. iv. At the time of installation and prior to commissioning, every detector should be allotted an identification number. All the detectors inside rooms / cabins and above false ceiling or generally hidden should have external response indicators (RI) sited at prominent place.
4.	<u>Heat detectors</u>	i. Heat detectors conforming to the IS: 2189-2008. ii. Heat detector should have LED, which should flash periodically to indicate that the detector is in proper working mode and glow continuously if heat is detected. iii. The detectors should have approvals / listing of BIS / UL /LPCB / FM/ VdS. iv. At the time of installation and prior to commissioning, every detector should be allotted an identification number. All the detectors inside rooms / cabins and above false ceiling or generally hidden should have external response indicators (R I) sited at prominent place.
5.	<u>Flame detectors (UV / IR)</u>	i. Flame detector (UV / IR) conforming to the IS: 2189-2008. ii. Flame detector should have LED, which should flash

S.no.	System Parameter	Technical Specification
		<p>periodically to indicate that the detector is in proper working mode and glow continuously if flame is detected.</p> <p>iii. The detectors should have approvals/ listing of BIS / UL / LPCB / FM / VdS.</p> <p>iv. At the time of installation and prior to commissioning, every detector should be allotted an identification number. All the detectors inside rooms / cabins and above false ceiling or generally hidden should have external response indicators (R I) sited at prominent place.</p>
6.	<u>Auto-dialer (PSTN / GSM)</u>	<p>i. Public switched telephone network (PSTN) based Auto-dialers are to be installed in Branches with good landline connectivity.</p> <p>ii. For branches without landline or downtime of landline is high, GSM based Auto-dialers are to be installed.</p> <p>iii. For both types, the minimum required specifications are as under.</p> <p>iv. Auto-dialer should have facility to dial at least 5 telephone / mobile no's and transmit voice message of at least 20 seconds.</p> <p>v. Auto-dialer must be always in standby mode and should have visual indication for "system ON" function and activate automatically on alarm (security / fire) being activated.</p> <p>vi. On activating of the control panel of Alarm System, pre-recorded voice messages of at least 20 seconds is to be transmitted through the PSTN / GSM Sim to the stored telephone numbers.</p> <p>vii. Auto-dialer should have a display and option for viewing the mobile numbers stored in the Auto-dialer without activating the control panel. The display panel should display the phone number being dialed.</p> <p>viii. Auto-dialer must be user friendly. Must have facility to view/ update the phone numbers fed in Auto-dialer without any external hardware.</p> <p>ix. If number is not responded, facility to re-dial the number after completing the cycle should be provided.</p> <p>x. GSM Based Auto-dialers should generate SMS alerts in addition to auto-dialing the pre-fed numbers</p>
7.	<u>External Hooters</u>	<p>i. External hooters (sounders) of fire alarm system should be electronic hooters/horns/electric bell having a frequency range of 500 to 1000 Hz.</p> <p>ii. Sound from the hooters on activation of the Fire Detection and Alarm System should be clearly audible up to 500 meters.</p>
8.	<u>Response</u>	Response indicators with LED indicators to indicate activation of a

S.no.	System Parameter	Technical Specification
	<u>indicators (RI)</u>	detector installed inside rooms / cabins and above false ceiling or generally hidden.
9.	<u>Manual Call Points (MCP)</u>	The Manual Call Point (MCPS) should be break glass type with hammer or thumb press type.
10.	<u>Certification</u>	All the system components offered should have approvals / listing of any of the following Agencies: i. BIS (Bureau of Indian Standards) ii. UL (Underwriters Laboratories) iii. FM (Factory Mutual) iv. LPCB (Loss Prevention Certification Board) v. VdS (Vertrauen durch Sicherheit) vi. FCC vii.CE
11.	<u>Minimum Warranty Period</u>	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION
12.	NOTE: a) All the wiring shall be by means of 2 core 1.5 sq. mm copper conductor FRLS armoured and shielded copper cable. Wiring to be done in ISI marked conduit pipe. b) The Manual Call Point (MCP) should be installed in entry / exit point of the floor. The MCPs should be break glass type with hammer or thumb press type. c) The sounders of fire alarm system should be electronic hooters / horns / electric bell having a frequency range of 500 to 1000Hz. d) UPS supply only to be given for Fire Alarm System. e) Buy back clause for old system existing in the branch if available (irrespective of the Make/Brand and condition) is to be mandatorily given.	

5.2 TECHNICAL SPECIFICATIONS OF ELECTRONIC ALARM SYSTEM

S.no.	System Parameter	Technical Specification
1.	<u>Primary Function</u>	i. The primary function of the control panel is to respond to the activation of one or more detectors to give burglar alarm during an intrusion or hold up in the protected premises. On activation it should initiate audio alarm in the protected premises as well as visual signal on the control panel.

S.no.	System Parameter	Technical Specification
2.	<u>Alarm Control Panel</u>	<p>i. Control Panel of the system must be 2-Zone / 4-zone (or more zones), microprocessor based, keypad (password) operated type for switch off and/or mode change. The panel should be in secured area and keypad should be provided in BM cabin.</p> <p>ii. Control Panel of the system must have capability to connect at least 20 panic switches and 13 anti-burglary (night) sensors of different types and any make.</p> <p>iii. Control Panel must have an internal hooter and provision to connect at least three external hooters.</p>
	<u>(a) Day mode and Night mode</u>	<p>i. Should have facility to switch between “Day (Unarmed)” and “Night (Armed)” modes automatically at pre-programmed times and also manually overridden without any external hardware.</p> <p>ii. Should have programmable time delay of alarm activation in “Day Mode” & immediate activation in “Night Mode”.</p>
	<u>(b) Tamper Proof</u>	System should be tamper proof. i.e., must activate alarm in case of any tampering with control panel / Auto-dialer / switches / sensors / hooters / cables or any other components.
	<u>(c) Password protection</u>	The program menu should have PIN/password protection. There should be option for changing password without requirement of any additional hardware.
	<u>(d) Power supply</u>	Alarm system should operate from a 230 v + / - 10 % 50 Hz mains supply from UPS unit of the premises. In case of power failure, it should automatically switch over to standby power (battery backup).
	<u>(e) Battery backup</u>	<p>i. Battery backup of minimum 8 hours duration and 20 minutes in alarm activated condition (All hooters activated) thereafter.</p> <p>ii. Battery should be of sealed maintenance free (SMF) type with capacity of 7Ah or more.</p> <p>iii. Panel should have in built battery charger with over charging and deep discharging protection.</p> <p>iv. Battery Low visual warning with audible tone.</p>
	<u>(g) Compatibility with Auto-dialers / Detectors / sensors</u>	<p>i. EAS should have provision to connect minimum 12 panic switches in day mode.</p> <p>ii. EAS should have a night mode (Armed Mode) with provision to connect 4 or more passive infrared (PIR) sensors, 4 Vibration (motion) sensors and 5 or more magnetic contact sensors.</p> <p>iii. EAS should also support 1 pressure switch, 2 light sensors, 2 rolling shutter contact sensors, 1 wireless (cordless) switches, 1 Thermal (Heat) detectors and 2 smoke sensors.</p> <p>iv. Panel should be compatible for installation of external Auto-dialer - both PSTN and GSM types.</p>
3.	<u>Auto-Dialer</u>	Refer Specifications given above Fire Detection and Alarm System.

S.no.	System Parameter	Technical Specification
	<u>(PSTN / GSM)</u>	
4.	<u>Hooters</u>	<ul style="list-style-type: none"> i. Three external Hooters and one in built hooter (inside control panel) is to be provided. One of the external hooters is to be installed inside the protected premises and two outside the premises at different location and directions. ii. The sound characteristic of the alarm should be continuous and similar throughout the protected premises. iii. Sound of alarm of all the hooters should be clearly audible up to 500 meters. Minimum requirement is 90 dB for internal hooter and 110 dB for External hooters.
5.	<u>PIRSensor</u>	<ul style="list-style-type: none"> a) Detection Range: Minimum 20 Mtrs with horizontal angle more than 100 degrees. b) The system should work on quad linear technology to avoid any false alarm activation in night mode. c) Should have dual tech feature I.e. IR+Microwave d) The PIR Sensors should be pet immune with immunity against all pets / rodents weighing less than 20 Kgs.
6.	<u>Panic Switch</u>	Hand operated with inbuilt Tamper Switch.
7.	<u>Vibration (Motion) Sensor</u>	<ul style="list-style-type: none"> i. Should detect vibration, breaking of glass, cutting of metal, grills/aluminum frames and drilling. ii. Should have High-Low sensitivity adjustment option.
8.	<u>Magnetic Contact Sensors</u>	Tamper proof with 15 mm opening gap.
9.	<u>Wiring</u>	ISI marked copper cables are to be laid in rigid PVC conduit with ISI mark, fixed with metal saddling at every 02 ft distance.
10.	<u>Certification</u>	Certification from BIS or UL/CE/FCC certification is mandatory.
11.	<u>Minimum Warranty Period</u>	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION

5.3 TECHNICAL SPECIFICATIONS OF EMBEDDED STAND-ALONE DVR BASED CCTV SYSTEM

Technical requirement for Supply, Installation & Commissioning of Embedded Stand-alone DVR based CCTV system, its accessories and allied works at site is as follows.

CCTV Systems will be procured in three variants (4 Channel DVR with 4 Cameras, 16 Channel DVR with 8 cameras, 12 cameras and 16 Cameras) by the Bank.

S.no.	System Parameter	Technical Specification
	EMBEDDED (STAND ALONE) DVR UNIT (4/8/16 CHANNEL)	
1.	Operating System	Embedded RTOS / LINUX / WINDOWS
2.	CPU	32-bit DSP or more powerful
3.	Minimum internal HDDs for video recording	4 Channel DVR - 8 TB (4 Cameras) 8 Channel DVR - 16 TB (8 Cameras) 16 Channel DVR - 32 TB (16 Cameras)
4.	Video surveillance Hard Disk	Surveillance grade DVR HDD
5.	Ports	2 SATA ports for 4 channel DVR, 8 SATA ports for 8/16 channel DVRs, Each SATA port should support 10TB HDD. Two USB 3.0 ports (spare for external devices in addition to port for mouse) 1 HDMI & 1 VGA ports each in all DVRs
6.	Video Input	4 channel or 8 channel or 16 or channel PAL (NTSC to PAL conversion not acceptable)
7.	Display Speed	25 fps or more for each channel at 1080 P 100 fps for 4 channel /200 fps for 8 channel / 400 fps for 16 channel
8.	Video Compression Method	High Efficiency Video Coding (HEVC), H.265, H.265 plus or more With the HDD storage capacity given at serial 3, system should have minimum 90 days recording with all cameras recording at Full HD (1080P) and 25 fps
9.	Display Split Screen (Screen Mode)	1,4 for 4 channel, 1,4,9 for 8 channel, 1,4,9,16 for 16 channel
10.	Recording Resolution	1080P (1920P X 1080P) Full HD or more in all channels at 25 fps
11.	Recording Speed	25 fps at 1080P for each channel at flexible frame-rate option
12.	Independent Recording setting per channel	Continuous, Motion detection, Sensor activated, Flexible date/time Daily schedule
13.	Watermarking	Should support law enforcement grade video authentication. Watermarking should be verifiable through player software or proprietary software which shall be provided free of any charges
14.	Monitoring	4 or 8 or 16 channel Real time monitoring Single mode 6 Quad/3x3/4x4 modes

S.no.	System Parameter	Technical Specification
		Sequential switching mode Switching out monitoring
15.	Searching/Playback	Date & time based & Exact search, 1-channel searching and all channel simultaneous searching Replay up to 25 fps in each channel and simultaneous playback of all channels
16.	Motion Detection	Should support Motion Detection/Area Demarcation setting per camera
17.	Back up facility	External portable HDD/CD-RW/DVD/Pen drive/Memory card through USB port. Player software to play back recorded video should automatically be loaded on to the external back up media so that it can be played back on any PC directly. Capability to automatically upload recorded data at a pre-determined time to bank's own / leased Private Cloud infrastructure.
18.	User Interface	On screen Graphic User Interface(GUI)
19.	System Recovery after power failure	Auto-Rebooting
20.	Operation for setting and searching	User friendly
21.	Multiple functionality	Should support pentaflex functions to perform all DVR functions at the same time, i.e., record, live view/playback, network (view remotely), administrative and backup. Client software for remote view shall be provided free of any charge if required.
22.	Compatibility	Should support all types of cameras. 4 Ch will support 4HD + 2 IPC or all 6 IPC or any combinations 8 Ch will support 8HD + 4 IPC or all 12 IPC or any combinations 16 Ch will support 16HD + 8 IPC or all 24 IPC or any combination like 10 HD and 14 IPC.
23.	Certification	CE or FCC or UL Certification
HD COLOUR DOME / BULLET CAMERA (FIXED / VARI-FOCAL)		
1.	Camera Type	Colour Infrared HD Dome Cameras (i.e., Colour cameras that switch to black and white(IR Mode) automatically at night
2.	Image Sensor	1/3" High sensitive CCD/Progressive scan CMOS

S.no.	System Parameter	Technical Specification
3.	Signal Format	PAL
4.	Effective Pixels	2 MP (1920PX1080P) full HD or more
5.	Infrared LED Coverage Range	Night vision not less than 10 meters
6.	Minimum Illumination (LUX)	0.01 LUX (1.2 F, AGC on) without IR & 0 LUX with IR On
7.	S/N Ratio	50 dB or more
8.	Lens	3.6 mm (2.8 mm for wide angle view) for fixed focal cameras 2.8 mm to 12 mm (2.7 mm to 13 mm) for Vari-focal cameras
9.	Weather-proof quality for outdoor cameras	Outdoor weather proofing of IP66 rating or more
10.	Vandal proof quality for outdoor cameras	Vandal proofing of IK-10 rating or more
11.	Wide Dynamic Range(WDR)	True WDR with adjustable range(0 dB - 120dB) Digital WDR(DWDR) not acceptable
12.	Operating Temperature	From -10 degrees to +55 degrees Celsius
13.	Certification	FCC/CE/UL
HD COLOUR PIN HOLE/HIDDEN CAMERA		
1.	Camera Type	HD Resolution Pinhole/Hidden Cameras
2.	Image Sensor	1/3" High sensitive DCD
3.	Signal Format	PAL
4.	Effective Pixels	752X582 with 700 TVL Resolution/700 TVL to 2MB with 120 dB WDR
5.	Minimum Illumination (LUX)	0.01 LUX g (1.2 F, AGC on)
6.	S/N Ratio	50 dB or more
7.	Lens	2.8 mm for fixed focal cameras
8.	Wide Dynamic Range(WDR)	Should support WDR/ Should support 120 dB WDR
9.	Operating Temperature	From -10 degrees to +55 degrees Celsius
10.	Certification	FCC/CE/UL
DISPLAY MONITOR (LED MONITOR)		
1.	Monitor Type	LED Monitor supporting full HD(1080P)
2.	Size	19"/21" screen or more for 4/8 channel DVR 21"/26" screen or more for 16 channel DVR / NVR 32"/43" screen or more for 32 channel DVR / NVR
3.	Operating Temperature	From -10 degrees to +55 degrees Celsius

S.no.	System Parameter	Technical Specification
4.	Certification	FCC/CE/UL
CABLES: SPECIFICATIONS		
1.	For HD Camera	RG-6 Co-axial cable with ISI marking
2.	For power	2 Core/36 Power Unarmored cable with ISI marking
3.	Cable laying	In ISI marked PVC Conduit pipes
Switched Mode Power Supply Units for Cameras		
1.	SMPS of required output voltage / amps for 4 / 8 / 16 Channel CCTV systems (minimum two or more SMPS should be used for CCTV system so that in the event of one SMPS failure all cameras are not down)	
2.	6U Rack Wall mounted : Power Strip: 6 Socket power supply: 1No. Equipment mounting tray; 1 No. mounting screws and studs: 1 pack transparent front door with lock; 02 Cooling Fans. Provision for cable routing at the bottom of the rack.	
3.	2U Rack Wall mounted: Power Strip: 6 Socket power supply: 1 No. mounting screws and studs: 1 pack transparent front door with lock and Cooling Fans. Provision for cable routing at the bottom of the rack.	
4.	The indoor camera facing intense back ground light behind the subject as in case of the camera focusing towards open doors windows should support True Wide Dynamic Range (True WDR) function to filter out the bright backlight and to provide clear images even under backlight circumstances	
5.	One of the 4 or 8 or 12 or 16 cameras as the case may be, should be installed inside the onsite ATM cabin, if it exists or is planned for preferably behind the ATM; care should be taken to ensure that the camera covers the cabin entrance and also the face of a person operating the ATM, but not the ATM console, particularly the screen and the keypad so as not to compromise on the confidentiality of the transaction. Another camera should cover outside area of the ATM/branch.	
6.	In some installations, one Pinhole/ Hidden Camera may have to be installed as per the requirement. Such installations of pinhole/ hidden camera will be in place of an IR Camera. Please note that in such cases the package cost remains the same.	
7.	Minimum Warranty Period: ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION	

5.4 TECHNICAL SPECIFICATIONS OF DVR BASED COMBI CCTV SYSTEM

1.	04 Channel HD DVR with Inbuilt colour monitor of more than 5 " complying all relevant technical specifications mentioned at Para 6.3.
2.	One Vandal Proof and weather proof IR Bullet Camera (HD) for installation at outside of ATM complying all relevant technical specifications mentioned at Para 6.3.
3.	Two Vandal Proof IR Dome Camera (HD)) all relevant technical specifications mentioned at Para 6.3.

4.	One HD Colour Pin Hole / Hidden Camera complying all relevant technical specifications mentioned at Para 6.3.
5.	SMPS Unit for 4 camera power supply
6.	Complete Wiring should be done in conduit and the cable should be two core/multi core cables as the case may be. No single wires bundled should be used for wiring, and cables to be terminated in PVC Junction box with IP 66 rating for cameras (size 4"X4"Square) before connecting to respective CCTV Cameras. Cables from the existing system should not be used for installation of the new CCTV system.
7.	Wall mounted Rack with bracket and fitting for housing Combi-DVR and assembly with necessary wiring and cabling.
8.	Complete Wiring should be done in conduit and the cable, for HD Camera - RG-6 Co-axial cable with ISI marking and for Power - 2 Core / 36 Power unarmored cable with ISI marking should be used. No single wires bundled should be used for wiring.
9.	The workmanship and quality of work should be of high standard. The sensors over network rack should not be fixed with adhesive/m-seal. Sensors should be tightened with screws / as specified by the manufacturer.
10.	Supply to the system to be taken from UPS supply only and given through a separate MCB of suitable rating.
11.	Minimum Warranty Period: ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION

Continued on next page

5.5 TECHNICAL SPECIFICATIONS OF NVR BASED CCTV SYSTEM

S.no.	System Parameter	Technical Specification
	16 / 32 CHANNEL NETWORK VIDEO RECORDER (NVR)) (32 Ch up to 12 MP Support 8 SATA)	
1.	Main Processor	Quad-core embedded processor
2.	Operating System	Embedded LINUX
3.	SATA Ports	4 SATA ports for 8 and 16-channel NVR, 8 SATA ports for 32 channel NVR, 1 eSATA port for 8/16/32 Channel NVR, Each SATA port should support 8TB HDD.
	Display	
4.	Interface	2 HDMI (1 HDMI up to 3840x2160, Different Source), 2 VGA

S.no.	System Parameter	Technical Specification
5.	Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280x720, 1024 x 768
6.	Multi-screen	32 Channel, 1st screen: 1/4/8/9/16/25/36, 2nd screen: 1/4/8/9/16/25/36
7.	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Video Detection and Alarm		
8.	Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
9.	Video Detection	Motion Detection, MD Zones: 396 (22 X 18), Video Loss and Tampering, Scene Change Detection
10.	Alarm input	16 Channel (Low Level Effective)
11.	Alarm output	04 Channel (NO/NC Programmable)
Playback and Backup		
12.	Sync Playback	1/4/9/16
13.	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
14.	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
15.	Backup Mode	USB Device/Network/Internal SATA burner/e-SATA Device
Storage		
16.	Internal HDD	8 SATA Ports, up to 8 TB capacity for each HDD
17.	e-SATA	1 e-SATA port
18.	RAID	RAID 0, RAID 1, RAID 5
Auxiliary Interface		
19.	USB	4 Ports (2 USB 2.0, 2 USB 3.0)
20.	RS232	1 Port, for PC Communication and keyboard
21.	RS485	1 Port, for PTZ Control
Audio and Video		
22.	IP Camera Input	16 / 32 Channel
23.	Two-way Talk	1 Channel Input, 1 Channel Output
Recording		
24.	Compression	High Efficiency Video Coding (HEVC), H.265 or more
25.	Resolution	12MP/ 8MP/ 5MP/ 4MP/ 3MP/1080P/ D1
26.	Record Rate	320 Mbps Incoming

S.no.	System Parameter	Technical Specification
27.	Bit Rate	16kbps-20Mbps per channel
28.	Record Mode	Manual, Schedule (Regular, Continuous), MD, Alarm, Stop
29.	Record Interval	1-120 min (default: 60 min), Pre-record: 1-30 sec, Post-record: 10-300 sec
	Network	
30.	Interface	1 RJ-45 port (10/100/1000 Mbps)
31.	Network Function	TCP/IP, DHCP, Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, FTP, UpnP, HTTPS
32.	Interoperability	ONVIF, PSIA, CGI Conformance
33.	Certifications	UL / FCC / CE and BIS approved
02 MEGAPIXEL IP BASED HD IR DOME CAMERA WITH FIXED LENS		
1.	Image Sensor	1/2.8" 2 Megapixel progressive scan CMOS or better
2.	Effective Pixels	1920(H)x1080(V) or better
3.	Electronic Shutter	Auto/Manual, 1/3 s ~1/10,000 s
4.	Video Frame Rate	25 fps @ 2 Mega Pixel
5.	Scanning System	Progressive
6.	Min. Illumination	0.01Lux/F1.4(Color); 0Lux/F1.4 (IR on)
7.	S/N Ratio	More than 50 Db
8.	Min. IR Array LEDs Length	Up to 40m with the vandal proof
9.	Day/Night	Auto(ICR) / Color / B/W
10.	Back Light Compensation & WDR	120 dB True WDR
11.	White Balance	Auto/Manual/Color/ B /W
12.	Focal Length (lens)	3.6 mm Fixed lens/2.8 mm Fixed lens for wider angle view
13.	Video Compression	High Efficiency Video Coding (HEVC), H.265 or more
14.	Resolution Frame Rate	2 M(1920 1080)/D1(704x 576/704x 480)/CIF(352 x288/352x 240) Main stream: {2 M/1080P(1 - 25/30fps)} & Sub stream: D1/CIF(1 - 25/30fps)}
15.	Bit Rate	32 Kbps to16Mbps
16.	Network Ethernet	RJ-45 (10/100Base-T)
17.	Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1x, QoS, Ipv6
18.	Compatibility	ONVIF, PSIA, CGI
19.	Power Supply	DC12V, PoE (802.3af)

S.no.	System Parameter	Technical Specification
20.	Working Environment	-30° C to 60° C / Less than 95 % RH (no condensation)
21.	Ingress Protection	IP67 or above
22.	Vandal Proof	IK 10
23.	Other Features	Face detection support along with motion and intrusion detection 128 GB SD Card Support with ANR feature Triple stream
24.	Certification	UL / FCC / CE and BIS approved
02 MEGAPIXEL IP BASED HD IR VERIFOCAAL LENS BULLET CAMERA		
1.	Image Sensor	1/2.8" progressive scan CMOS
2.	Min. Illumination	Color: 0.01@F1.4, 0 Lux with IR
3.	Shutter Speed	Auto/Manual, 1/3 s ~1/10,000 s
4.	Lens	2.7 mm to 13.5 mm motorized varifocal @ F1.4
5.	Day & Night	IR cut filter with auto switch
6.	DNR (Digital Noise Reduction)	3D DNR
7.	WDR (Wide Dynamic Range)	120 dB True WDR
Compression Standard		
8.	Video Compression	H.265
9.	Video Bit Rate	32 Kbps to 8 Mbps
10.	Dual Stream	Support
Image		
11.	Max. Resolution	1920 x 1080
12.	Main Stream Max.	50Hz: 25fps @ (1920 x 1080, 1280 x 960, 1280 x 720)
13.	Sub-stream	50Hz: 25fps @ (704 x 576, 640 x 480, 352 x 288, 320 x 240)
14.	Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software
15.	Day/Night Switch	Support auto, scheduled
16.	Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)
17.	Detections	Motion detection
18.	Alarms	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error
19.	Protocols Standard	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1X, QoS, Ipv6, ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI

S.no.	System Parameter	Technical Specification
20.	General Function	One-key rest, anti-flicker, password protection, privacy mask, watermark, IP address filter
	Interface	
21.	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
22.	Reset	Support
	General	
23.	Operating Conditions	-30°C to 60°C, humidity: 95% or less (non- condensing)
24.	Power Supply	DC12V ± 25%, PoE (802.3af)
25.	Ingress Protection	IP 67
26.	Vandal Proof	IK 10
27.	IR array Range	Up to 40 Mtr
28.	Other Features	Motion and intrusion detection 2 KV surge and voltage transient protection 128 GB Surveillance grade SD Card support
29.	Certification	UL / FCC / CE / BIS approved
	POE + SWITCH 08 CHANNEL	
1.	Interface 8 port with 8 + 2	8 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports
2.	Port Standards & Functions	Ports 1 to 8 compliant with IEEE802.3at (PoE+)
	POE+ SWITCH 16 CHANNEL	
3.	Interface 16 Port with 16 + 2	16 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports
4.	Port Standards & Functions	Ports 1 to 4 compliant with IEEE802.3at (PoE+) Ports 5 to 16 compliant with IEEE802.3af / IEEE802.3at
	POE+ SWITCH 24 CHANNEL	
5.	Interface 24 port with 24 + 2	24 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports
6.	Port Standards & Functions	Ports 1 to 4 compliant with IEEE802.3at (PoE+) Ports 5 to 24 compliant with IEEE802.3af / IEEE802.3at
7.	Other Features	Metal body POE switch with 6 KV surge protector
8.	Other Features	Transmission support upto 300 meter minimum
9.	POE power budget	60w for 8 port 125 w for 16 port 225 w for 24 ports

S.no.	System Parameter	Technical Specification
OTHER COMPONENTS OF CCTV		
1.	Power Supply	DC12V \pm 25%, PoE (802.3af)
2.	Hard Disk Drive	Surveillance Hard Disk Drive (SATA III), Rated for 24/7 operation
3.	Capacity	2TB , 4TB, 6TB ,8TB
4.	Data Cable	CAT- 6E, Unarmored. To be laid in PVC Conduits
5.	6 U Rack - (Wall Mount)	With Power Strip of 6 Socket power supply, with cooling fan, front door with locking arrangement.
7.	2 U Rack - (Wall Mount)	With Power Strip of 6 Socket power supply, with cooling fan, front door with locking arrangement.
8.	Minimum Warranty Period	ONE YEAR REPLACEMENT WARRANTY FROM DATE OF INSTALLATION For all components / packages offered.

5.6 TECHNICAL SPECIFICATIONS OF ELECTRONIC ALARM SYSTEM FOR ATMs

01.	Tamper proof Electronic Alarm system (02 Zone) with time delay of 30 seconds in day mode and immediate activation in night mode. The control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors. The panel should be in secured area and keypad should be provided in BM cabin.
02.	The system should have facility to connect at least seven different sensors and two high power hooters.
03.	Three Magnetic sensors for installation at ATM door/ back room door/ CCTVrack.
04.	One Heat/Thermal sensor, which can detect oxy-acetylene torch conforming to IS 11360 for installation on chest door.
05.	Two Vibration sensor, which can detect hammering for installation on chest door.
06.	One Pressure switch to detect lifting of ATM for installation below the ATM.
07.	One Smoke detector and one heat detector in ATM cabin in UPS room and ATM Cabin.
08.	High power hooters audible up to 500 meters.
09.	Time relay/ any other provision to automatic changeover of Day - Night Mode and setting of operational control of sensors
10.	Complete wiring should be done in conduit and the cable should be two core/multi core cables as the case may be. No single wires bundled should be used for wiring.Flexible conduits/ PVC casing batten should not be used.
11.	The workmanship and quality of work should be of high standard. The sensors should not be fixed with adhesive/m-seal. Sensors should be tightened with screws / as specified by the manufacturer.

12.	Supply to the system to be taken from UPS supply only and given through a separate MCB of suitable rating.
13.	Minimum Warranty Period: ONE YEAR REPLACEMENT WARRANTY FROM DATE OF INSTALLATION For all components / packages offered.

5.7 TECHNICAL SPECIFICATIONS OF OTHER SECURITY EQUIPMENTS

S.no.	Description of equipment	Specifications	
1.	<u>Time Lock (Digital Type)</u>	Function	To enable the vault room / safe door to be opened at preset time.
		Location	Doors of strong room/ Cash safe / Gold safe. Will be required to install on any of the doors above as per Bank's requirement.
		Type	Micro controller based electro-mechanical locking system. Time Lock should be real time clock-based control system. It should have facility to set time frames for opening the vault door.
		Access	Time Lock can only be opened at programmed time with help of a password provided to specific user(s).
		Dual User Control	Should have facility to open with dual user codes (Two different codes together)
		Power backup	Should have independent power supply unit with sufficient battery backup for 6 hours
		Override	There should be provision to override the locking system with a master key in case of emergency / failure of the time lock.
		Emergency Switch	An emergency switch should be provided to lock the system up to 4 hours in case of any intrusion.
2.	<u>Bio Metric Access Control System</u>	Function	To enable the vault room grill door to be opened by authorised persons by verifying biometrics (Finger Print)
		Biometric Type	Fingerprint / Microprocessor based
		Number of Biometric Entries	100 entries or more
		Number of Biometric Sensors	Two (One outside the vault and one inside)
		Mode of granting access	With single biometric (one custodian) and dual biometrics (two custodians together) which can be set as per the site requirement

3.	Minimum Warranty Period: ONE YEAR REPLACEMENT WARRANTY FROM DATE OF INSTALLATION For all components / packages offered.
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5.8 OTHER REQUIREMENTS

- Cost of components should be pre-approved at the time of Rate contract. If rate of any component is not fixed in the contract separate bids will be called from the empanelled firms and the lowest rate quoted by any empanelled firm will be applicable to all suppliers. To avoid this firms are advised to quote for all components which may be needed in installation /repair of the equipments. Bids will be rejected if their Technical Bids bid fail to fulfill the minimum technical requirement given in Para 5.
- If technical specification given anywhere in this document contradicts the above specification then higher specification whichever is, will prevail.
- The specification of CCTV/ Combi CCTV System given above is the minimum requirement. The vendor should ensure 90 days of backup at any time without compromising on quality/ specification requirements.

6. SCOPE OF COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)

6.1 General Guidelines

- Comprehensive on-site maintenance charges, for the post warranty period, must be quoted on a yearly basis, in the Price Bid. The vendor will have to maintain the equipment (Fire Alarm System, Electronic Alarm System, CCTV System (DVR & NVR Based), Combi-CCTV system and Alarm System for ATMs) and other security equipments during the CAMC period at the same rate quoted in Price Offer.
- All the repairs and replacements of spares shall be carried out which are necessitated due to usage of system as per tender stipulations. However repairs and replacements necessitated by loss or damage due to misuse or accident, fire or natural calamities shall be out of the scope of CAMC.
- CAMC covers all equipment, Cabling, Wiring, Controller etc. (AnyMake/Model). Virtually the vendor has to keep the system in functional mode without charging anything extra to the Bank other than the CAMC charges agreed upon. Selected vendor must also do

- the maintenance of existing equipment installed in branches of any other brand as per quoted rates.
- d) Comprehensive Annual Maintenance Contract of new equipment as well as existing equipment will be for a period of **02 (Two) years**. In short, all the equipments, i.e new installation as well as those installed within a period of last **06 (six) years**, falls under the Comprehensive Annual Maintenance Contract (CAMC).
 - e) If the equipment has completed the service life of **06 (Six) years** and cannot be repaired economically, Service Reports of such equipments are to be forwarded to the Regional Office. The mode of Repairs / Maintenance of such equipments will be decided by the RO.
 - f) The vendor shall inspect the equipment at least once in **03 months** (quarterly) as part of preventive maintenance (AMC) visit during the year with a minimum gap of **75 days** between each visit during bank working hours. This is apart from any breakdown visits (emergency fault repair calls) that may be required which may emanate in between the two preventive maintenance inspections. The fault repair calls will not be treated as quarterly visits and such visits will be free of cost during AMC.
 - g) The maximum breakdown time for the SREs shall be 48 hours from the time of receiving the complaint over phone /email. If the vendor is not in a position to set right the defect or repair and put back the systems to working condition within 48 hours, a standby unit of to suit the tender parameters should be provided immediately. During the break down calls, the nature of repair carried out, parts replaced etc. shall be recorded in the log book.
 - h) If any of the peripherals, components etc. are not available or difficult to procure or if the procurement is likely to be delayed, the replacement shall be carried out with brand new equipment of equivalent capacity or higher capacity, during the currency of warranty period and succeeding **03 (Three) years** including warranty period. In such cases no labor charges will be admissible and book value of old Equipment will be deducted from cost of new equipment. Such equipment will be treated as fresh installation and warranty and AMC clause will be applicable as brand new equipment.
 - i) If the Manufacturer/Authorized dealer doesn't replace the system as said in subsection above within a complaint period of **4 week**, bank will have the right to replace the faulty equipment with any other empanelled Vendor and make good the book value of the faulty system from the supplier of the faulty equipment by any means.
 - j) During AMC visit the representative should explain the working of

- system to the employees and hand over the list of Telephone No's fed in the Auto dialer to the branch manager free of cost which is a mandatory obligation.
- k) Whenever demanded by the branch, the vendor should provide CCTV Video backup free of cost in DVD or in any other storage device provided by the bank which is a mandatory obligation.
 - l) During AMC visit the representative should give a technical report (Quarterly visit report) of the equipment, which clearly reveals the present status/condition of the system. Quarterly visit report confirming that the equipment is working properly should be sent in duplicate to the Branch as well as the controlling Regional office separately.
 - m) AMC Payment will be done by respective branch after quarterly visit. If the firm fails to attend quarterly visit it will be treated as a lapse in service by the Vendor and AMC charge for that quarter will be forfeited. AMC charges of such lapsed quarters cannot be claimed afterwards.
 - n) During AMC visit, the vendor shall inspect/ check the SREs and record the following in log book, which shall be verified and confirmed by the bank's representative.
 - i. Any malfunctioning of the components of the equipments.
 - ii. Any other remarks regarding the Electrical System.
 - iii. Steps to be taken by bank towards effective working of equipment.
 - o) Cost of all spares and labor charge should be borne by the Vendor during Warranty period and Comprehensive AMC period.

6.2 SCOPE OF CAMC - FIRE ALARM SYSTEM

Smoke / Heat / Flame Detectors	
1.	Open the detector housing and clean the unit
2.	Check all the detectors are working
3.	Interior of detector enclosure is clean and dry.
Control Panel	
1.	Check all the indicators (On/Off / Zone / Test / Alarm / Silence) are functioning.
2.	Test the system using the Test button provided
3.	Activate the Alarm by activating one of the detectors. Detectors should be numbered and Serial number of detector checked should be entered in logbook.
Wire & Cable:	
1.	Check wiring and cable harnesses for wear and fray.

2.	Check to make sure cable is dressed properly.
3.	Check connectors and cable entry points for loose wiring.
Auto-dialer:	
1.	Check Mobile No.s of branch staff is fed in the Auto-dialer. If staff has changed since last quarterly visit, Mobile No.s of new staff to be stored in the Auto-dialer. Also, Mobile No.s of the transferred out staff to be deleted from the auto-dialer.
2.	List of the Mobile No.s to be entered in the Auto-dialer log sheet. This log sheet is to be kept in the Alarm Panel.
Battery Backup:	
1.	Check the batteries, for a minimum of 4 hours backup.
2.	Voltage of the batteries is to be recorded.
3.	If required, replace the batteries.
Hooters:	
1.	Activate Alarm and check sound. Sound must be clearly audible up to 500 meters.

6.3 SCOPE OF CAMC - ELECTRONIC ALARM SYSTEM :: Of Branches, On-Site & Off-Site ATMs

Sensors :	
1.	All sensors installed in the system should be checked for proper connection.
2.	Check all the sensors are working
Control Panel:	
3.	Check all the indicators (On / Off / Zone / Test / Alarm / Day-Night Mode) are functioning. Check the system for tamperproof.
4.	Activate the Alarm System by activating any five of the sensors. The sensors should be numbered and the serial number of the sensors checked should be entered in the log book. ATM outer door magnetic sensor, PIR sensor and strong room door magnetic sensors are to be checked and activated during all AMC visits.
Wire & Cable:	
5.	Check wiring and cable harnesses for wear and fray.
6.	Check to make sure cable is dressed properly.
7.	Check connectors and cable entry points for loose wiring.
Auto-dialer:	
8.	Check Mobile No.s of branch staff is fed in the Auto-dialer. If staff has changed since last quarterly visit, Mobile No.s of new staff to be stored in the Auto-dialer. Also, Mobile No.s of the transferred out staff to be deleted from the auto-dialer.

9.	On updating the auto-dialer, the list of the mobile numbers is to be entered in the Auto-dialer log sheet. This log sheet is to be kept in the Alarm Panel.
Battery Backup:	
10.	Check the batteries, for a minimum of 4 hours backup
11.	Voltage of the batteries is to be recorded
12.	If required, replace the batteries
Hooters:	
13.	Activate the Alarm system and check the sound of alarm of all the hooters is clearly audible up to 500 meters

6.4 SCOPE OF CAMC - CCTV SYSTEM (DVR/ NVR Based)& COMBI CCTV SYSTEM at ATMs

Camera & Housing:	
1.	Camera / lens focus and auto iris adjusted properly.
2.	Camera field of view is adjusted to customer's requirements.
3.	Camera / housing viewing window are clean, inside and out.
4.	Camera lens is dust free.
5.	Interior of camera enclosure is clean and dry.
Wire & Cable:	
6.	Check wiring and cable harnesses for wear and fray.
7.	CCTV Power supply is tapped from UPS Supply and the system cannot be switched off without opening the Network Rack
8.	Check to make sure cable is dressed properly.
9.	Check connectors and cable entry points for loose wiring.
10.	Coaxial cable is transmitting an adequate video signal to control room. Signal should be free of distortion, tearing, hum-bars, Electro Magnetic Interference and rolling, etc.
11.	Make sure all coaxial connectors are insulated from conduit and pull boxes.
Control Equipment:	
12.	CCTV Recorded images of last 90 days (minimum requirement is available in the system)
13.	Camera settings are set to continuous recording, 25 fps & 1080P
14.	DVR's are functioning properly and provided distortion free recording.
15.	All control equipment is operational. Switchers allow proper sequencing and callup. Multiplexers are properly encoding and decoding.

16.	Clean monitor screens, control panels, and keyboards with a diluted cleaning solution.
17.	Monitors are free from picture burn-in, and distortion.
18.	Monitors have proper contrast and brightness.
19.	Check all coaxial connectors on the back panels for loose connections.
20.	Check power connections to insure AC plugs are not loose or power cables frayed.
DVR Network Rack / Cabinet:	
21.	Check DVR is secured inside a metallic rack / cabinet with locking facility
22.	Check the function of magnetic sensor fitted on network rack door/ Cabinet door.
23.	Check the cooling fan is working.

7. EARNEST MONEY DEPOSIT (EMD)

- 7.1 Earnest Money Deposit of **Rs. 50,000/- (Rupees Fifty Thousand Only)** for SREs (Fire Alarm System, Electronic Alarm System, CCTV System (DVR & NVR Based), Combi-CCTV system, Alarm System for ATMs, Time lock and Biometric System) in the form of a demand draft / pay order issued by a scheduled Price bank favoring Union Bank of India, payable at Kozhikode must be submitted along with the Offer.

Offers not accompanied with EMD will not be accepted. This amount will be forfeited if, having been selected by the Bank for the job, the vendor refuses to accept any contract or having accepted the contract, fails to carry out his obligations mentioned therein within a period of one month from the date of issue of supply / work order.

Bank Guarantee in lieu of EMD will not be accepted. No interest will be payable on the EMD. The EMD will be refunded to unsuccessful Vendors. The EMD paid by the successful Vendors will be released only after finalization of Rate contract up on submission of Bank Guarantee to Regional Office Kozhikode. Bank Guarantee in lieu of Demand Draft/ Pay order/Fixed Deposit Receipt will not be accepted.

- 7.2 The Earnest Money Deposit will be forfeited if the vendor:
- Withdraws its bid during bid validity period.
 - Refuses to honor Price bid. Bank reserves the right to place order onto vendor based on prices quoted by them.
 - Refuses to accept purchase order or having accepted the purchase order, fails to carry out his obligations mentioned therein.
 - Refuses / fail to submit Bank Guarantee on finalization of Rate Contract within a period of **01 (One) month** from the date of issue of Supply / Work order.

- 7.3 Bid security to successful vendor will be refunded only after successful completion of bid period.

8. PERFORMANCE BANK GUARANTEE

- 8.1 Before entering into an agreement the selected vendors should submit a Bank Guarantee to RO Kozhikode for:

Rs.1,50,000/- (Rupees OneLakh Fifty Thousand only) towards Rate Contract of CCTV (both DVR /NVR Based / Combi DVR)&

Rs.1,00,000/- (Rupees OneLakh only)towards rate contract of Electronic Alarm System, Fire Alarm system, Time lock and Biometric Access Control System;

Both of these Bank Guarantees must be valid for a period of **02 (two) years** from the date of Rate contract, issued by a scheduled Commercial bank other than Union Bank of India favoring Union Bank of India, payable at Kozhikode. Purchaser will have the right to make good the loss from any of the bank Guarantee given by bidder even if given separately, irrespective of the purpose of the guarantee. Bank Guarantee in lieu of Demand Draft/Pay order/ Fixed Deposit Receipt will not be accepted.

- 8.2 Purchaser will have the right to make good the loss from any of the bank Guarantee given by bidder even if given separately, irrespective of the purpose of the guarantee.

- 8.3 If the Rate Contract and CAMC are awarded to 2 or more vendors, the value of PBG to be submitted will also be split in terms of the value of the Contract allotted. In such cases, it will be divided proportionately at the discretion of RO Kozhikode.

- 8.4 All liabilities arising from this Tender will be made good from the Bank Guarantee.

If in case Kozhikode Region of the bank sub divides into two Regions, the firms may enter into contract with new RO of the bank on the existing terms/conditions and rates.

If any vendor has already submitted bank guarantee of required amount at RO Kozhikode for the empanelled period, no separate PBG deposit is required.

9. TERMS OF IMPLEMENTATION

- 9.1 The vendor shall deliver the equipments within **12 days from the date of the Purchase order (PO)** at the offices as per details of delivery locations to be provided with PO.

- 9.2 The vendor shall install SREs as per Bank's requirement and make them operational at the respective locations within 03 days after delivery; else the terms of **Liquidated Damages (LD)** will be applicable.
- 9.3 The vendor shall provide service support as and when required during the warranty period and thereafter, if required by the Bank.
- 9.4 On Installation/Servicing the Vendor/representative will explain the operation of equipment and clear doubts of employees of the bank.

10. **LOCATIONS TO BE COVERED**

The Location for delivery of SREs will be communicated along with the Purchase Order. However, the Bank reserves the right to change location as per Bank's requirement, before delivery. The installation of SREs will be done as per requirement of the bank from time to time.

11. **SUBMISSION OF TWO BID SYSTEM**

- 11.1 Offer will be in two parts, **Technical Bid & Price Bid**. Both the parts should be submitted in separate sealed covers duly super scribed as:
- "Technical Bid for Supply, Installation and Maintenance of Portable Fire Extinguishers" and
 - "Price Bid for Bid for Supply, Installation and Maintenance of Portable Fire Extinguishers" respectively.

Both sealed envelopes should be placed in another sealed envelope superscribed as:

"Offer for Supply, Installation and Maintenance of Portable Fire Extinguishers".

- 11.2 Subject tenders should be dropped in the **Tender Box** in Union Bank of India, Regional Office Kozhikode, 1st Floor, KSHB Complex, Vikas Nagar, Chakkorathukulam, East Hill Road, Kozhikode, Kerala - 673006
- 11.3 The tender documents submitted by means of Post / Courier / by hand to any officials will not be considered and will be rejected
- 11.4 **LATE BIDS:**Any bid received after the deadline for submission of bidprescribed by the bank will be rejected and/or returned unopened to the Bidder.

12. **TECHNICAL BID OFFER (TO)**

The Technical Bid Offer (TO) should be complete in all respects and must contain all information asked for, in this document. ***It should not contain any price information.*** The Technical Bid Offer should comprise of the following:

- 12.1 Acceptance of Terms and Conditions as per Annexure-I
- 12.2 Document can be downloaded from our Bank's website. The format of Technical / Price bid is not open for any amendment.
- 12.3 Pre-qualification as per Annexure-II, Declaration for compliance as per Annexure-III and Technical Specification as per Annexure-IV.
- 12.4 Documentation (Product Brochures, Leaflets, Manuals etc., (if any).
- 12.5 Details of Reference Sites as per Annexure-V.
- 12.6 Earnest Money Deposit Rs. 50,000/- as specified in Para-7, above.
- 12.7 Tender document signed by authorized signatory with seal in all pages.
- 12.8 **Note:**
- a) All Annexure(s)-I, II, III, IV, V, VI, VII and the Price bid (Annexure-VIII) should be submitted duly signed with Name and designation of the authorized person with seal of the company.
 - b) Any Equipment/ component which is left out and which may be required with the system must be indicated separately and specifically, however without the cost.
 - c) The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person duly authorized to bind the bidder to the contract.
 - d) The TO must be submitted in an organized, numbered and structured manner (***spiral binding will be appreciated***). No brochures/leaflets etc. should be submitted in loose form
 - e) The authorization shall be indicated by written power of attorney to participate in the tender and certified copy should be enclosed with the tender. Bids signed by representatives who don't have written power of attorney to participate in the tender shall be rejected.
 - f) All pages of the bid including un-amended printed literature shall be attested by the person or persons signing the Bid.
 - g) Self Attested Photocopies of relevant documents / certificates as proof in support of various information submitted in aforesaid annexure and other claims made by the vendor. (To be filed separately in a separate file).

13. **PRICE BIDS**

- 13.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian

- Rupees only. The only component which is to be excluded is GST. GST will be paid extra as per Govt. norms if the same is paid mentioning banks GST number correctly. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services).
- 13.2 The Price Bid should also contain price for all components which may be needed in installation/servicing/repair of the equipments even if the same is not provided in the format.
- 13.3 There should not be any kind of hidden charges for Installation and Servicing/Repair of the equipments.

14. SEQUENCE OF OPENING OF BIDS

- 14.1 **Technical Bid** will be opened and evaluated. Bidders satisfying the technical requirements as determined by the bank who accepts the terms and conditions of this document and on positive feedback from two referral sites PSU/PSB shall be short-listed for Price evaluation. If no feedback is received from at least two referral sites or adverse feedback is conveyed by the referral site that bid will be disqualified. Email through the domain of the organization will be treated as valid modes however email through Gmail, yahoo or any such sites will not be entertained.
- 14.2 If required, normalization of TCO would be undertaken on the basis of technical evaluation, before opening the Price Offers.
- 14.3 **Price Bid** of only those bidders, whose technical bids are qualified, will be opened. If minimum two vendors do not fulfill this eligibility condition bank will have the right to relax this condition.
- 14.4 Bank will shortlist suppliers, who satisfy Price and other requirements laid down in the document. Short listed suppliers will be notified by e-mail/post and the Suppliers/Authorized representatives may be present at the time of opening of the Bids.
- 14.5 Bank reserves the ***right to reject an offer*** under any of the following circumstances:
- a) Bid security (EMD) and tender fees not submitted.
 - b) Offer is incomplete and/or not accompanied by all stipulated documents.
 - c) Offer is not in conformity with the terms and conditions stipulated in this document.
 - d) Specifications stipulated in RFP are not met with. However, deviations resulting in higher/superior configuration will be accepted.
 - e) Price Offer is not submitted separately along with Technical Offer.

- f) Price Offer format differs from actual Price Offer format.
- g) Violates any terms and conditions in the RFP document.
- h) If found that the information provided in the offer is bogus.

15. **EVALUATION PROCESS**

The tender committee will open the bids in the presence of bidders or their authorized representatives on the date & time defined in this RFP. Initially only Technical Bids of bidders will be opened and evaluated. The sealed Price Bids of only technically qualified vendors will be opened after completion of technical valuation for decide the L1 bidder/s. The Technical Bids & Price Bids will be evaluated in stages as given below:

15.1 **Stage-1**

- a) Technical bids from bidders not accompanied with Demand Draft for EMD will be summarily rejected except for vendors claiming exemption on Cost of RFP & EMD who are registered with National Small Industries Corporation (NSIC) provided proof document for registration is submitted.
- b) The registration with NSIC of vendors claiming exemption will be verified with NSIC based on the proof documents and if found ineligible for such exemption, the bid of such vendors will be summarily rejected.

15.2 **Stage-2**

- a) A Products demonstration will be seen by the Evaluation Committee to check their Specifications, Standards and Quality. The products of bidders not conforming to required standards and specification will not-qualify. Product demonstration is to be arranged by the vendor at RO Kozhikode or at any other convenient site / location suitable to the bank within Kerala state.

15.3 **Stage-3**

- a) Price bids of technically qualified bidders will be opened in presence of the technically qualified bidders or their authorized representatives at the given date, time and place. Price bids of bidders will be evaluated, and L1 price bid(s) shall be decided from the qualifying price bids.
- b) A written offer will be given to L2 and/or L3 bidders to match L1 price and a written confirmation for matching L1 price shall be obtained.
- c) Approval to allocate work to the qualified bidder(s) (L1, L2, L3 etc.) shall be-obtained from the competent authority of the Bank.
- d) Non-qualifying bidders will be intimated with reason(s) for non-qualification.

16. PRICE BID FOR FIRE ALARM SYSTEM FOR BRANCH

- 16.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of Fire Alarm System consists of all the components as given in Annexure-VIII of this RFP.
- 16.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 16.3 The Price Bid should also contain price for all components which may be needed in Installation/Service/Repair of the equipment. The Price Bid should have buy back clause for existing FAS(Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Service/Repair of the equipment.

17. PRICE BID for ELECTRONIC ALARM SYSTEM

- 17.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of EAS consists of all the components as given in Annexure-VIII of this RFP.
- 17.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 17.3 The Price Bid should also contain price for all components which may be needed in Installation/Service/Repair of the equipment. The Price Bid should have buy back clause for existing EAS (Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Service/Repair of the equipment.

18. PRICE BID for CCTV (DVR BASED)

- 18.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN/SAC Code of item / services). One unit of CCTV system (4 Channel DVR with 4 cameras, 16 channel DVR with 8 Cameras, 16 Channel DVR with 12 Cameras and 16 channel DVR with 16 Cameras) consists of all components as given in Annexure-VIII of RFP.
- 18.2 It is to be clearly mentioned whether the Buy Back value quoted in the Price bid is inclusive of GST or exclusive of GST. Vendor has to mandatorily quote

Buy Back rate.

- 18.3 The Price Bid should also contain price for all components which may be needed in Installation/Servicing/Repair of the equipments. Price bid should have buy back clause for existing CCTV system (Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Servicing/Repair of the equipments.

Vendor should quote for 4 Channel DVR with 4 Cameras, 16 Channel DVR with 8,12 & 16 Cameras separately.

19. PRICE BID for CCTV (NVR Based)

- 19.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of CCTV system NVR Based (16 Channel NVR with 12 and 16 cameras and 32 channel NVR with 16 and 32 Cameras) consists of all the components as given in Annexure-VIII of this RFP.
- 19.2 The bank will levy applicable GST on buyback value quoted in the Price bid. There should not be any kind of hidden charges for Installation/ Servicing/Repair of the equipments.

20. PRICE BID FOR COMBI CCTV SYSTEM FOR ATMs

- 20.1 Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of Combi CCTV system for ATM consists of all the components as given in Annexure-VIII of this RFP.
- 20.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 20.3 The Price Bid should also contain price for all components which may be needed in Installation/Servicing/Repair of the equipments. Price bid should have buy back clause for existing CCTV system (Any Brand/ Model and present condition) and the same should be quoted in the bid. There should not be any kind of hidden charges for Installation/Servicing/Repair of the equipments.

21. PRICE BID FOR ELECTRONIC ALARM SYSTEM FOR ATMs

- 21.1 The Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and the rates should be quoted in Indian

Rupees only. The only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of **EAS for ATMs** consists of all components as given in Annexure-VIII of RFP.

- 21.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 21.3 The Price Bid should also contain price for all components which may be needed in Installation/Servicing/Repair of the equipment. The Price Bid should have buy back clause for existing **EAS for ATMs**(Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Servicing/Repair of the equipment.

22. PRICE BID for TIME LOCK DEVICE

- 22.1 Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and rates should be quoted in Indian Rupees only. Only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of **Time Lock Device** consists of all components as given in Annexure-VIII of RFP.
- 22.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 22.3 Price Bid should also contain price for all components which may be needed in Installation/Servicing/Repair of the equipment. Price Bid should have buy back clause for existing **Time Lock Device** (Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Servicing/Repair of the equipment.

23. PRICE BID for BIOMETRIC ACCESS CONTROL SYSTEM

- 23.1 Price Bid should contain all relevant rates and charges (Including Service charges & installation Charges) and rates should be quoted in Indian Rupees only. Only component which is to be excluded is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services). One unit of **Biometric Access Control System** consists of all components as given in Annexure-VIII of RFP.
- 23.2 Bank will levy applicable GST on buyback value quoted in the Price bid.
- 23.3 Price Bid should also contain price for all components which may be needed in Installation/Servicing/Repair of the equipment. Price Bid should have buy back clause for existing **Biometric Access Control System**(Any Brand/ Model and present condition) and same should be quoted in the bid. There should not be any kind of hidden charges for Installation/ Servicing/Repair of the equipment.

24. DETERMINATION OF L1 BIDDER AND AWARDING OF CONTRACT

24.1 Contract may be awarded to the Lowest Bidder (L1). For price comparison, Unit cost, Buy-back value & CAMC charges for **03 (Three) years**, as applicable will be considered. Thus L1 for the equipment will be decided on the basis of following calculation:

S.no.	Equipment	Rates to be considered for deciding L1 Bidder
1.	Fire Alarm System	As per the Price Bid packages of Annexure-VIII.
2.	Electronic Alarm System	
3.	04Channel DVR with 04 Cameras	
4.	16 Channel DVR with 08 Cameras	
5.	16 Channel DVR with 12 Cameras	
6.	16 Channel DVR with 16 Cameras	
5.	16 Channel NVR with 08 Cameras	
6.	16-Channel NVR with 12 Cameras	
7.	16 Channel NVR with 16 Cameras	
8.	32 Channel NVR with 32 Cameras	
9.	Combi CCTV System for ATMs	
10.	Electronic Alarm System (2 Zone) for ATMs.	
11.	Time Lock Device	
12.	Biometric Access Control System	

24.2 In the event that one bidder becomes L1 in package cost for any of the 12 serials based on the calculations mentioned above, but not L1 for cost of individual component or yearly cost of CAMC charges or for one or more individual components, then the prices quoted by the L1 bidder will be freezed for cost of new equipment, yearly cost of CAMC charges, Buyback value and for individual components of that equipment **(Refer Annexure-VIII)**. For this purpose, Price Bid formats for each system is attached with this RFP.

Bidders has to quote minimum buy back price of:

- Rs. 1000 for Fire Alarm System
- Rs. 1000 for Electronic Alarm System
- Rs. 1000 for 04-Channel CCTV System
- Rs. 2000 for 08-Channel CCTV System
- Rs. 3000 for 16-Channel CCTV System

- Rs. 1000 for Time Lock Device &
- Rs. 1000 for Biometric Access Control System:
irrespective of its Make/Model and condition).

The bids without buy back price will be summarily rejected.

24.3 The Bank reserves the right to distribute the work among the shortlisted firms keeping in view their relative strengths and operational convenience. Therefore, the lowest tendering firm shall not have sole claim over the complete order.

24.5 In case of distribution of work to others, who are willing to accept the L1 Rates, the L1-rate Vendor will get 70% (approx) of the work contract and the remaining work orders will be distributed equally among the L2 & L3 rate Vendor, provided that they accept the L1 Rates.

If any of the shortlisted Vendors is unable to fulfill the orders within the stipulated period, then the Bank will have the right to allot those unfulfilled orders to other shortlisted Vendors after giving 15-days notice to the defaulting Vendor.

If there is more than one L1 Vendor, then the work orders shall be split equally among them and in such cases no option shall be granted to L2 or L3 Vendors to match the L1 rate.

24.6 **Note:**

- a) It is mandatory obligation of the vendor to take over CAMC of existing SREs within the life period of 6 years.
- b) Failure or refusal to offer Services/Goods by the successful bidder at the price committed shall result in forfeiture of EMD/ Bank Guarantee amount, which may be noted.
- c) Final decision on the vendor will be taken by the Bank. The Bank reserves the right to reject any or all proposals. Similarly, it reserves the right not to include any vendor in the final short-list.

25. **NO ERASURES OR ALTERATIONS AFTER SUBMISSION OF BIDS**

No submissions for erasures or alteration will be entertained. However if a bidder submits two bids the lowest quoted bid and EMD will be considered and the EMD of both bid will be released after finalization of Rate contract.

26. **VALIDITY OF RATE CONTRACT & CAMC**

- 26.1 Validity of Rate Contract for supply and installation of new equipment will be for the period of **01 (One) year** from the date of issue of work order and extendable upto **03 (Three) years** as mentioned in Para 1.2. The equipment will be under replacement warranty for **ONE** year.
- 26.2 The Comprehensive AMC will also be for a period of **03 (Three) years** from date of issue of Work order. AMC rates fixed at the time of contract will be non-negotiable and no revision will be permitted.
- 26.3 After satisfactory completion of the contract, if both parties are willing to continue the contract in the existing terms and conditions and same rates, Rate contract for supply and installation of new equipment & CAMC rates may be extended to another one year. However, extension of contract period will not exceed the maximum of **03 (Three) years** from the date of original contract.
- 26.4 The newly supplied equipment will be under warranty for minimum **One Year** and CAMC charges will be payable to the vendor on completion warranty period.
- 26.5 Both the parties will enter into an agreement for Comprehensive Annual Maintenance Contract (as per Annexure-VII) at the approved rates and the same will be signed by authorized signatories of both parties on a stamp paper having value of Rs 200. Vendor has to bear the expenses incurred for executing AMC contract.

27. PRICE FREEZING

The prices finalized shall remain valid for a period of **36 months** from the date of finalization of bids. This is applicable for Rate Contract and Comprehensive Annual Maintenance Contract.

28. ASSIGNMENT OF OBLIGATION

The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the Purchaser's prior written consent.

29. ORDER CANCELLATION

- 29.1 If the vendor fails to deliver and/or install the equipment within **15 days** or within the extended date communicated by the Bank, it will be a breach of contract.
- 29.2 If the vendor fails to complete the maintenance tasks, within **15 days** of the scheduled date of maintenance, it will be a breach of contract.

- 29.3 The Bank reserves its right to cancel the order in the event of delay in delivery of new extinguishers or delay in maintenance of fire extinguishers.
- 29.4 Purchaser will have the right to cancel Rate contract issuing a **01 (One)** month notice without giving any reason for such cancellation.

30. AVAILABILITY OF SPARES

Vendor should ensure that the Spares for the product offered are available for at least **06 (Six) years** from the day of installation of equipment. No obsolete equipment should be supplied to the bank.

31. PATENTS RIGHTS

- 31.1 The supplier shall indemnify the purchaser against all third party claims or infringement of intellectual Property Right, including Patent, trademark, copyright, trade secret or industrial design of infringement of patent, trademark or industrial design rights arising from use of the Goods, or any part thereof in India or abroad.
- 31.2 The supplier shall expeditiously extinguish any such claims and shall have full rights to defend it there from. If the Bank is required to pay compensation to a third party resulting from such infringement, the supplier shall be fully responsible for, including all expenses and court and legal fees.
- 31.3 The Bank will give notice to the Supplier of any such claim without delay, provide reasonable assistance to the Supplier in disposing of the claim, and shall at no time admit to any liability for or express any intent to settle the claim.
- 31.4 The Supplier shall grant to the bank a fully paid-up, irrevocable, non-exclusive license throughout the territory of India or abroad to access, replicate and use software (and other software items) if any, provided by the supplier, including-all inventions, designs and marks embodied therein in perpetuity.

32. MINIMUM MAINTENANCE STANDARD REQUIRED

- 32.1 Vendor should ensure that SREs reported faulty/empty on any working day is set right within **48 hours** of reporting of the complaint and in no case, later than **03 (Three)** working days of the bank.

In case, the hardware cannot be repaired within the stipulated period, the vendor should provide replacement of the same till the hardware is returned duly repaired without any additional charges.

- 32.2 During Warranty and also during AMC period (if under AMC with the same vendor), the vendor should provide support for various issues relating to Hardware and Software, if required, taking backup before formatting the DVR, configuring Cameras etc. without any additional cost, however DVD/CD will be provided by the bank.
- 32.3 Vendor should complete all maintenance tasks, as per the maintenance schedule / time interval.
- 32.4 The Vendor should respond within 24 hrs to requests made by the branch to provide necessary data to Police/Court without any additional charges.
- 32.5 All complaints/service requests will be reported / conveyed verbally and/or through email.
- 32.6 Copy of AMC reports has to be submitted to Regional Security Officer on Quarterly basis.

33. DELAYS IN THE SUPPLIER'S PERFORMANCE

Delivery of the goods and performance of the Services shall be made by the supplier in accordance with the time schedule specified by purchaser. Any delay in performing the obligation by the supplier will result in imposition of liquidated damages and/or termination of rate contract for default.

34. LIQUIDATED DAMAGES FOR DELAY IN INSTALLATION

- 34.1 Notwithstanding the Bank's right to cancel the order, liquidated damages at 0.5% of the total cost of Hardware per site per week will be charged for every week's delay in delivery or delay in AMC service, subject to maximum 5% in each case.
- 34.2 The Bank reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by the Bank to the company.
- 34.3 Part of day will be treated as a day for this purpose.
- 34.4 Email / telephonic compliant will be considered as valid means to report compliant.

35. PENALTY FOR LACK OF SERVICE SUPPORT

Bank expects proper service support during warranty and post warranty period. The equipments (FAS/EAS/CCTV (DVR/NVR Based), EAS/CCTV for ATMs, Time Lock Device and Biometric Access Control System) should be set right within **48 hours** of reporting the complaint.

In case the machine is down for more than **03 (Three)** working days and no

substitute is provided by the vendor, a penalty of **Rs.150.00 per day** may be charged, from the 4th day of complaint to a maximum of **Rs. 3000.00 per case**.

Such penalty may be recovered from the amount payable to the vendor or quarterly AMC charges to be paid by the Bank. If such case reported **03 (Three)** times in a year, Bank may terminate the contract and replace the faulty system and make good the proportionate loss from bank guarantee.

36. TERMINATION FOR DEFAULT

36.1 The Bank, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Bidder, may terminate this Contract in whole or in part, if the Bidder fails to perform any obligation(s) under the Contract.

36.2 In the event of the Bank terminating the Contract in whole or in part, the Bank may procure, upon such terms and in such manner, as it deems appropriate, services similar to those undelivered, and the Bidder shall be liable to the Bank for any excess costs for such similar services.

37. TERMINATION FOR INSOLVENCY

The Bank may at any time terminate the Contract by giving written notice to the Bidder, if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Bidder.

38. LIABILITY

Vendor's aggregate liability under the contract shall apply to third party claims for bodily injury (including death) and damage to real property (due to explosion/accidents due to malfunction of equipment) and tangible personal property caused by vendor's gross negligence/lapse or due to below standard equipments used by vendor. Vendor shall be liable for any indirect, consequential, or special damages due to malfunction/explosion of the Fire extinguisher under the rate agreement / purchase order.

39. WARRANTY

39.1 The offer must include comprehensive on-site replacement warranty of at least **One** year from the date of installation and commissioning of the equipment however there should not be any additional cost for the warranty period. NO AMC charge will be admissible in Warranty period, however Quarterly service visit is mandatory during warranty period else AMC charge of that quarter or **2%** cost of equipment per quarter or **(8% per annum)**, whichever is higher; will be deducted from Vendor by

any means.

- 39.2 The offer must include comprehensive on-site warranty for batteries for least **12 months** from the date of installation and commissioning of the equipment. There should not be any additional cost for the warranty period
- 39.3 Vendor shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of equipment, accessories etc. covered by the offer. Vendor must warrant all Equipment, Accessories, Spare parts etc., against any manufacturing defects during the warranty period. During the warranty period vendor shall maintain the equipment and repair/replace all the defective components at the installed site, at no additional charge to the Bank.
- 39.4 Warranty should not become void if Bank buys any other supplemental hardware which is not discussed in this document from a third party and installs it with these equipment. However, the warranty will not apply to such hardware items installed. The vendor is expected to ensure same maintenance standards clause.

40. FORCE MAJEURE

For purposes of this clause, "Force Majeure" means an event beyond the control of the Bidder and not involving the Bidder's fault or negligence and not foreseeable. Neither party shall be liable for delay in performing obligations or for failure to perform obligations if the delay of failure results from any of the following (whether happening in India or elsewhere) force majeure, Act of God, or any Governmental Act, Fire, Earthquake, Explosion, Accident, Industrial Dispute, Civil Commotion, or anything beyond the control of either party. The parties shall use all reasonable endeavors to minimize any such delay. Upon cessation of the event giving rise to the delay, the parties shall, insofar as may be practicable under the circumstances, complete performance of their respective obligations here under. Notwithstanding the foregoing, if any of the above mentioned event shall preclude THE AGENCY from meeting any of all of its obligations hereunder, for a period of more than **03 (Three)** months, from the date of occurrence of such act, it shall be open to either party to rescind this contract by giving **01 (One)** month notice. Such events may include, but are not restricted to, wars or revolutions and epidemics. If a Force Majeure situation arises, the Bidder shall promptly notify the Bank in writing of such condition and the cause thereof. Unless otherwise directed by the Bank in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means of performance not prevented by the Force Majeure event.

41. UNDERTAKING BY VENDOR

Successful bidder must give an undertaking that all components used; are new, original, and not refurbished. This must be submitted along with Invoices else

payment will not be released. Vendor shall hand over warranty card for free servicing for a period of **One Year** from the date of installation of equipment and paid service for a period of total **02 (Two) years**.

42. GOVERNING LAW AND DISPUTES

42.1 The provisions of this tender shall always be subject to government notifications, any rules/ guidelines that may be in force from time to time. All disputes or differences whatsoever arising between the parties out of or in relation to the construction, meaning and operation or effect of these Tender Documents or breach thereof shall be settled amicably. If however the parties are not able to solve them amicably, the same shall be settled by arbitration in accordance with the provisions of Arbitration and Conciliation Act 1996 or any statutory modifications or re-enactments thereof and the rules made there under and for the time being in force, shall apply to the arbitration proceedings. The arbitrator shall be appointed with the mutual consent of both the parties. However there is a provision of appeal if either party is not satisfied with the arbitration award.

42.2 During the arbitration proceedings the Vendor shall continue to work under the Contract unless otherwise directed in writing by the bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained.

42.3 The venue of the arbitration shall be KOZHIKODE.

43. NO COMMITMENT TO ACCEPT LOWEST OR ANY OFFER (TENDER)

The Bank shall be under no obligation to accept the lowest or any other offer received in response to this notice and shall be entitled to reject any or all offers without assigning any reasons whatsoever. The bank will have the right to opt for any new technology optimum for the banks usage.

44. OPENING OF OFFERS AND PRE BID MEETING

44.3 Respondents/their representatives may be present at the time of opening of Technical Bid Offers. No separate intimation will be sent in this regard to suppliers for deputing their representatives. Technical Bid Offers will be opened at the time and date stipulated above irrespective of number of Respondent/their representatives present.

44.4 In case of any unexpected interruption due to events beyond control of the procurement committee, the process interrupted will be continued

on the subsequent working day at the scheduled time.

45. PRELIMINARY EXAMINATION

- 45.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required information have been provided as underlined in the bid document, whether the documents have been properly signed, and whether bids are generally in order. Bids from agents without proper authorization from Manufacturer shall be treated as non-responsive.
- 45.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. If the supplier does not accept the correction of errors, their bid will be rejected. If there is discrepancy between words and figures, amount in the words will prevail.
- 45.3 The bid determined as not substantially responsive will be rejected by the purchaser and may not be made responsive by the bidder by correction of the non-conformity. The purchaser may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice to affect the relative ranking of any bidder.

46. SIGNING OF CONTRACT

If Bank decides, then the successful bidder(s) shall be required to enter into a contract with Union Bank of India within 7 days of award of the tender or within such extended period as may be specified by Union Bank of India, RO Kozhikode on the basis of the Tender Document.

The Tender of the successful bidder, the letter of acceptance and such other terms and conditions as may be determined by the Bank to be necessary for the due performance of the work in accordance with the Bid and the acceptance thereof, with terms and conditions shall be contained in a Memorandum of Understanding to be signed at the time of execution of the Form of Contract.

Bank shall have the option of terminating the contract during the contract period by giving a **01 months' notice**. In the absence of any formal contract, the copy of PO, the RFP document and other related documents will be treated as contract.

47. PAYMENT TERMS

- 47.1 No advance amount will be paid to Vendor. Payment will be released only against completion of work.
- However, for CCTV Systems the payment will be released after confirming **90 days** of clear recording from the day of installation.
- Vendor shall hand over Warranty card for free servicing for a period of **01 One year** from the date of installation of equipment and CAMC for a period of further **02 years**.

- 47.2 Security Deposit/ Retention Money of 5% of cost of equipment will be deducted from the running bills. The retention amount may be refunded to the vendor without any interest after completion of one year from the date of installation of Equipment/s.

48. FOR FURTHER CLARIFICATIONS, IF ANY, YOU MAY CONTACT:

The Security Cell

Union Bank of India

Regional Office Kozhikode, 1st Floor, KSHB Complex, Vikas Nagar, Chakkorathukulam, East Hill Road, Kozhikode, Kerala - 673006.

T +91 495 2772329 / +91 495 2772301

Email: mgrsecrokozhikode@unionbankofindia.com

Registered Companies and Partnership Firms having their own offices in Kerala State and are interested in our proposal for Supply & Maintenance of SREs (listed below) in Branches/ Offices/ ATMs of Kozhikode Region of Union Bank of India, conforming to the aforesaid terms and conditions may drop their Tender documents in the tender box at our Regional Office, Kozhikode latest by the last date & time for submission of offers.

- a. Fire Alarm System with Sensors & Auto Dialer for Branches/Offices.
- b. Electronic Alarm System with sensors & Auto Dialer for Branches/Offices.
- c. CCTV system (DVR and NVR Based) for Branches/Offices.
- d. Combi DVR based CCTV for ATMs.
- e. Electronic Alarm System with sensors for ATMs.
- f. Time Lock Device.
- g. Biometric Access Control System.

ASSISTANT GENERAL MANAGER

ANNEXURE - I (A)

ACCEPTANCE OF TERMS AND CONDITIONS

(Letter to the bank on the Supplier's letterhead)

To

The Assistant General Manager

Union Bank of India
Regional Office Kozhikode
1st Floor, KSHB Complex, Vikas Nagar
Chakkorathukulam, East Hill Road
Kozhikode, Kerala - 673006

Sir,

Sub: Our bid for Supply & Maintenance of Fire Alarm system with sensors & Auto Dialer / Electronic Alarm System with sensors & Auto dialer and CCTV System (Both NVR & DVR Based), Time Lock Device & Biometric Access Control System for Branches and Offices and Combi CCTV system / Electronic Alarm Systems with sensors for banks own ATMs

We submit our Bid Document herewith. We understand that:

- You are not bound to accept the lowest or any bid received by you, and you may reject all or any bid.
- If our Bid for the above job is accepted, we undertake to enter into and execute at our cost, when called upon by the purchaser to do so, a contract in the prescribed form. Unless and until a formal contract is prepared and executed, this bid together with your written acceptance thereof shall not constitute a binding contract between us.
- If our bid is accepted, we are responsible for the due performance of the contract.
- You may accept or entrust the entire work to one vendor or divide the work to more than one vendor without assigning any reason or giving any explanation whatsoever.
- Vendor means the bidder who is decided and declared so, after examination of Price bids.
- The names of shortlisted bidders after the completion of first stage (Technical Bid), and the same of successful bidder to whom the contract is finally awarded after the completion of second stage (Price Bid), shall be displayed on the Notice Board of the purchaser at Union Bank of India, Regional office, Kozhikode.

Dated at _____ this _____ day of _____ 2022.

Yours faithfully,

For : _____
Signature : _____
Name : _____

ANNEXURE - I (D)

MANUFACTURE'S / PRODUCER'S AUTHORIZATION FORM

(To be submitted by the Original Equipment Manufacturer (OEM) on their letterhead
TO BE SUBMITTED SEPARATELY FOR EACH EQUIPMENT OFFERED)

To

The Assistant General Manager

Union Bank of India
Regional Office Kozhikode
1st Floor, KSHB Complex, Vikas Nagar
Chakkorathukulam, East Hill Road
Kozhikode, Kerala - 673006

Dear Sir,

Subject: Authorization Letter from Original Equipment Manufacturer (OEM)

We _____ having registered office at _____ an established and leading manufacturer of CCTV, Electronic Alarm, Fire Detection & Alarm, Auto dialer, Time Lock and Biometric Access Control Systems; do hereby authorize M/s _____ having their registered office at _____ is an Authorized channel partner/Authorized dealer/Authorized distributor of our company.

1. This certificate authorizes the firm _____ to submit Quote, Negotiate, Supply, Install and Provide after sales support in Kerala State for our range of under mentioned products quoted by them for Union Bank of India, Kozhikode Region.

S.No	Product	Make	Model No

2. We also confirm that the above products meet the Technical specifications/features as per the RFP.
3. We as OEM are responsible that the Authorized channel partner / Authorized dealer / Authorized distributor uses genuine products. We will conduct Audit of the products being installed by the Authorized channel partner / Authorized dealer / Authorized distributor, as and when required by the Bank without any extra cost, as a service support to the Bank.
4. We hereby confirm to extend our back to back technical support and meet warranty terms of ____ years. Also, we as an OEM assure that the quoted models are not in the end of life and necessary spares / after sales support would be provided at cost to bidder for period of **06 (SIX) years**, as per OEM standards for this tender/project.
5. We duly authorize the said vendor to act on our behalf in fulfilling all installations, Technical support and maintenance obligations required by the contract.

Authorized Signatories

(Name, Designation and Seal of the Company / Firm)

17. Products for which empanelment is sought (please tick):

- A. Fire Detection, Fire Alarm and Auto dialer
- B. Electronic Alarm System and Auto dialer
- C. CCTV system (NVR / DVR Based)
- D. Time Lock (Analogue / Digital)
- E. Biometric Access Control System

Authorised Signatories

(Name, Designation and Seal of the Company / Firm

Date:

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



ANNEXURE-III

DECLARATION FOR COMPLIANCE

All Terms and Conditions including scope of work except technical specifications

We hereby undertake and agree to abide by all the terms and conditions stipulated by the Bank in this RFP including all addendum, corrigendum etc.

(Any deviation may result in disqualification of bids).

Authorized Signatories:

(Name & Designation, Seal of company)

Date:

ANNEXURE IV

TECHNICAL SPECIFICATION

We certify that the systems/services offered by us for tender confirms to the specifications stipulated by you with the following deviations.

List of deviations with reasons.(Deviations will be accepted only if the offered specification is higher than requirement quoted in the RFP)

- 1) _____
- 2) _____
- 3) _____
- 4) _____

(If left blank it will be construed that, there is no deviation from the specifications
Given above)

Signature:

Seal of company

(If left blank it will be construed that, there is no deviation from the specifications
Given above)

TECHNICAL SPECIFICATION OF SECURITY EQUIPMENTS

Technical requirements of security equipment are elaborated in the succeeding paragraphs. Below mentioned specifications furnished are broad guidelines for the system. Wherever the specifications are not furnished or specific, the specification shall be as per their respective IS standards / ISO standards or as per best engineering practice and they shall not be diluted. The design standards, materials or components used manufacturing process shall all conform to the respective BIS Code and any other standards mentioned elsewhere in this tender as applicable. However, the following specifications, technical parameters, etc, are furnished by way of basic or minimum requirement for the end result. The vendor shall be solely responsible for the entire design/ specification, safety aspects of the entire equipment and related works as detailed in the tender notwithstanding the specifications furnished hereunder.

TECHNICAL SPECIFICATION OF CCTV SYSTEM (DVR BASED)

Ser	System Parameter	Technical Specification	Compliance Yes / No
	EMBEDDED (STAND ALONE) DVR UNIT (4/8/16 CHANNEL)		
1	Operating System	Embedded RTOS / LINUX / WINDOWS	
2	CPU	32-bit DSP or more powerful	
3	Minimum internal HDDs for video recording	4 Channel DVR - 8 TB (4 Cameras) 8 Channel DVR - 16 TB (8 Cameras) 14 Channel DVR - 32 TB (16 Cameras)	
4	Video surveillance Hard Disk	Surveillance grade DVR HDD	
5	Ports	2 SATA ports for 4 channel DVR, 8 SATA ports for 8/16 channel DVRs, Each SATA port should support 10TB HDD. Two USB 3.0 ports (spare for external devices in addition to port for mouse) 1 HDMI & 1 VGA ports each in all DVRs	
6	Video Input	4 channel or 8 channel or 16 or channel PAL (NTSC to PAL conversion not acceptable)	
7	Display Speed	25 fps or more for each channel at 1080 P 100 fps for 4 channel /200 fps for 8 channel / 400s for 16 channel	
8	Video Compression Method	High Efficiency Video Coding (HEVC), H.265 pro plus or more With the HDD storage capacity given at serial 3, system should have minimum 90 days recording with all cameras recording at Full HD (1080P) and 25 fps	
9	Display Split Screen (Screen Mode)	1,4 for 4 channel, 1,4,9 for 8 channel, 1,4,9,16 for 16 channel	
10	Recording Resolution	1080P (1920P X 1080P) Full HD or more in all channels at 25 fps	
11	Recording Speed	25 fps at 1080P for each channel at flexible frame-rate option	
12	Independent Recording setting per channel	Continuous, Motion detection, Sensor activated, Flexible date/time Daily schedule	
13	Watermarking	Should support law enforcement grade video authentication. Watermarking should be verifiable through player software or proprietary software which shall be provided free of any charges	

Ser	System Parameter	Technical Specification	Compliance Yes / No
14	Monitoring	4 or 8 or 16 channel Real time monitoring Single mode 6 Quad/3x3/4x4 modes Sequential switching mode Switching out monitoring	
15	Searching/Playback	Date & time based& Exact search, 1-channel searching and all channel simultaneous searching Replay up to 25 fps in each channel and simultaneous playback of all channels	
16	Motion Detection	Should support Motion Detection/Area Demarcation setting per camera	
17	Back up facility	External portable HDD/CD-RW/DVD/Pen drive/Memory card through USB port. Player software to play back recorded video should automatically be loaded on to the external back up media so that it can be played back on any PC directly. Capability to automatically upload recorded data at a pre-determined time to bank's own / leased Private Cloud infrastructure.	
18	User Interface	On screen Graphic User Interface(GUI)	
19	System Recovery after power failure	Auto-Rebooting	
20	Operation for setting and searching	User friendly	
21	Multiple functionality	Should support pentaflex functions to perform all DVR functions at the same time, i.e., record, live view/playback, network (view remotely), administrative and backup. Client software for remote view shall be provided free of any charge if required.	
22	Compatibility	Should support all types of cameras. 4 Ch will support 4HD + 2 IPC or all 6 IPC or any combinations 8 Ch will support 8HD + 4 IPC or all 12 IPC or any combinations 16 Ch will support 16HD + 8 IPC or all 24 IPC or any combination like 10 HD and 14 IPC.	
23	Certification	CE or FCC or UL Certification	
	HD COLOUR DOME / BULLET CAMERA (FIXED / VARI-FOCAL)		
24	Camera Type	Colour Infrared HD Dome Cameras (i.e., Colour cameras that switch to black and white(IR Mode) automatically at night	
25	Image Sensor	1/3" High sensitive CCD/Progressive scan CMOS	
26	Signal Format	PAL	
27	Effective Pixels	2 MP (1920PX1080P) full HD or more	

Ser	System Parameter	Technical Specification	Compliance Yes / No
28	Infrared LED Coverage Range	Night vision not less than 10 meters	
29	Minimum Illumination (LUX)	0.01 LUX (1.2 F, AGC on) without IR & 0 LUX with IR On	
30	S/N Ratio	50 dB or more	
31	Lens	3.6 mm (2.8 mm for wide angle view) for fixed focal cameras 2.8 mm to 12 mm (2.7 mm to 13 mm) for Vari-focal cameras	
32	Weather-proof quality for outdoor cameras	Outdoor weather proofing of IP66 rating or more	
33	Vandal proof quality for outdoor cameras	Vandal proofing of IK-10 rating or more	
34	Wide Dynamic Range(WDR)	True WDR with adjustable range(0 dB - 120dB) Digital WDR(DWDR) not acceptable	
35	Operating Temperature	From -10 degrees to +55 degrees Celsius	
36	Certification	FCC/CE/UL	
	HD COLOUR PIN HOLE/HIDDEN CAMERA		
37	Camera Type	HD Resolution Pinhole/Hidden Cameras	
38	Image Sensor	1/3" High sensitive DCD	
39	Signal Format	PAL	
40	Effective Pixels	752X582 with 700 TVL Resolution/700 TVL to 2MB with 120 dB WDR	
41	Minimum Illumination (LUX)	0.01UX g (1.2 F, AGC on)	
42	S/N Ratio	50 B or more	
43	Lens	3.8 mm for fixed focal cameras	
44	Wide Dynamic Range(WDR)	Should support WDR/ Should support 120 dB WDR	
45	Operating Temperature	From -10 degrees to +55 degrees Celsius	
46	Certification	FCC/CE/UL	
	DISPLAY MONITOR (LED MONITOR)		
47	Monitor Type	LED Monitor supporting full HD(1080P)	
48	Size	19"/21" screen or more for 4/8 channel DVR 21"/26" screen or more for 16 channel DVR / NVR 32"/43" screen or more for 32 channel DVR / NVR	
49	Operating Temperature	From -10 degrees to +55 degrees Celsius	
50	Certification	FCC/CE/UL	
	CABLES: SPECIFICATIONS		

Ser	System Parameter	Technical Specification	Compliance Yes / No
52	For HD Camera	RG-6 Co-axial cable with ISI marking	
53	For power	2 Core/36 Power Unarmored cable with ISI marking	
54	Cable laying	In ISI marked PVC Conduit pipes	
Switched Mode Power Supply Units for Cameras			
55	SMPS of required output voltage / amps for 4 / 8 / 16 Channel CCTV systems (minimum two or more SMPS should be used for CCTV system so that in the event of one SMPS failure all cameras are not down)		
56	6U Rack Wall mounted : Power Strip: 6 Socket power supply: 1No. Equipment mounting tray; 1 No. mounting screws and studs: 1 pack transparent front door with lock; 02 Cooling Fans. Provision for cable routing at the bottom of the rack.		
57	2U Rack Wall mounted: Power Strip: 6 Socket power supply: 1 No. mounting screws and studs: 1 pack transparent front door with lock and Cooling Fans. Provision for cable routing at the bottom of the rack.		
58	The indoor camera facing intense back ground light behind the subject as in case of the camera focusing towards open doors windows should support True Wide Dynamic range (True WDR) function to filter out the bright backlight and to provide clear images even under backlight circumstances		
59	One of the 4 or 8 or 16 cameras as the case may be, should be installed inside the onsite ATM cabin, if it exists or is planned for preferably behind the ATM; care should be taken to ensure that the camera covers the cabin entrance and also the face of a person operating the ATM, but not the ATM console, particularly the screen and the keypad so as not to compromise on the confidentiality of the transaction. Another camera should cover outside area of the ATM/branch.		
60	In some installations, one Pinhole/ Hidden Camera may have to be installed as per the requirement. Such installations of pinhole/ hidden camera will be in place of an IR Camera. Please note that in such cases the package cost remains the same.		
MINIMUM WARRANTY PERIOD		ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION For all the components / packages offered	

TECHNICAL SPECIFICATION OF CCTV SYSTEM (NVR BASED)

Ser	System Parameter	Technical Specification	Compliance Yes / No
	16 / 32 CHANNEL NETWORK VIDEO RECORDER (NVR)) (32 Ch upto 12 MP Support 8 SATA)		
1.	Main Processor	Quad-core embedded processor	
2.	Operating System	Embedded LINUX	
3.	SATA Ports	4 SATA ports for 8 and 16-channel NVR, 8 SATA ports for 32 channel NVR, 1 eSATA port for 8/16/32 Channel NVR,	

Ser	System Parameter	Technical Specification	Compliance Yes / No
		Each SATA port should support 8TB HDD.	
	Display		
4.	Interface	2 HDMI (1 HDMI up to 3840x2160, Different Source), 2 VGA	
5.	Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280x720, 1024 x 768	
6.	Multi-screen	32 Channel, 1st screen: 1/4/8/9/16/25/36, 2nd screen: 1/4/8/9/16/25/36	
7.	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
	Video Detection and Alarm		
8.	Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
9.	Video Detection	Motion Detection, MD Zones: 396 (22 X 18), Video Loss and Tampering, Scene Change Detection	
10.	Alarm input	16 Channel (Low Level Effective)	
11.	Alarm output	4 Channel (NO/NC Programmable)	
	Playback and Backup		
12.	Sync Playback	1/4/9/16	
13.	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	
14.	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	
15.	Backup Mode	USB Device/Network/Internal SATA burner/e-SATA Device	
	Storage		
16.	Internal HDD	8 SATA Ports, up to 8 TB capacity for each HDD	
17.	e-SATA	1 e-SATA port	
18.	RAID	RAID 0, RAID 1, RAID 5	
	Auxiliary Interface		
19.	USB	4 Ports (2 USB 2.0, 2 USB 3.0)	
20.	RS232	1 Port, for PC Communication and keyboard	
21.	RS485	1 Port, for PTZ Control	
	Audio and Video		
22.	IP Camera Input	16 / 32 Channel	
23.	Two-way Talk	1 Channel Input, 1 Channel Output	
	Recording		

Ser	System Parameter	Technical Specification	Compliance Yes / No
24.	Compression	High Efficiency Video Coding (HEVC), H.265 or more	
25.	Resolution	12MP/ 8MP/ 5MP/ 4MP/ 3MP/1080P/ D1	
26.	Record Rate	320 Mbps Incoming	
27.	Bit Rate	16kbps-20Mbps per channel	
28.	Record Mode	Manual, Schedule (Regular, Continuous), MD, Alarm, Stop	
29.	Record Interval	1-120 min (default: 60 min), Pre-record: 1-30 sec, Post-record: 10-300 sec	
	Network		
30.	Interface	1 RJ-45 port (10/100/1000 Mbps)	
31.	Network Function	TCP/IP, DHCP, Cloud P2P, DNS, DDNS, NTP, SMDP, SMTP, NFS, FTP, UpnP, HTTPS	
32.	Interoperability	ONVIF, PSIA, CGI Conformant	
33.	Certifications	UL / FCC / CE and BIS approved	
	02 MEGAPIXEL IP BASED HD IR DOME CAMERA WITH FIXED LENS		
1.	Image Sensor	1/2.8" 2 Megapixel progressive scan CMOS or better	
2.	Effective Pixels	1920(H)x1080(V) or better	
3.	Electronic Shutter	Auto/Manual, 1/3 s ~ 1/10,000 s	
4.	Video Frame Rate	25 fps @ 2 Mega Pixel	
5.	Scanning System	Progressive	
6.	Min. Illumination	0.01Lux/F1.4(Color); 0Lux/F1.4 (IR on)	
7.	S/N Ratio	More than 50 dB	
8.	Min. IR Array LEDs Length	Up to 40m with the vandal proof	
9.	Day/Night	Auto(ICR) / Color / B/W	
10.	Back Light Compensation & WDR	120 dB True WDR	
11.	White Balance	Auto/Manual/Color/ B /W	
12.	Focal Length (lens)	3.6 mm Fixed lens/2.8 mm Fixed lens for wider angle view	
13.	Video Compression	High Efficiency Video Coding (HEVC), H.265 or more	
14.	Resolution Frame Rate	2 M(1920 1080)/D1(704x 576/704x 480)/CIF(352 x288/352x 240) Main stream: {2 M/1080P(1 - 25/30fps)} & Sub stream: D1/CIF(1 - 25/30fps)}	
15.	Bit Rate	32 Kbps to 16Mbps	
16.	Network Ethernet	RJ-45 (10/100Base-T)	
17.	Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1x, QoS, Ipv6	

Ser	System Parameter	Technical Specification	Compliance Yes / No
18.	Compatibility	ONVIF, PSIA, CGI	
19.	Power Supply	DC12V, PoE (802.3af)	
20.	Working Environment	-30°C to 60°C / Less than 95 % RH (no condensation)	
21.	Ingress Protection	IP67 or above	
22.	Van dal Proof	IK 10	
23.	Other Featurtes	Face detection support along with motion and intrusion detection 128 GB SD Card Support with ANR feature Tripple stream	
24.	Certification	UL / FCC / CE and BIS approved	
02 MEGAPIXEL IP BASED HD IR VERIFOCAAL LENS BULLET CAMERA			
1.	Image Sensor	1/2.8" progressive scan CMOS	
2.	Min. Illumination	Color: 0.01@F1.4, 0 Lux with IR	
3.	Shutter Speed	Auto/Manual, 1/3 s ~ 1/10,000 s	
4.	Lens	2.7 mm to 13.5 mm motorized varifocal @ F1.4	
5.	Day & Night	IR cut filter with auto switch	
6.	DNR (Digital Noise Reduction)	3D DNR	
7.	WDR (Wide Dynamic Range)	120 dB True WDR	
	Compression Standard		
8.	Video Compression	H.265	
9.	Video Bit Rate	32 Kbps to 8 Mbps	
10.	Dual Stream	Support	
	Image		
11.	Max. Resolution	1920 x 1080	
12.	Main Stream Max.	50Hz: 25fps @ (1920 x 1080, 1280 x 960, 1280 x 720)	
13.	Sub-stream	50Hz: 25fps @ (704 x 576, 640 x 480, 352 x 288, 320 x 240)	
14.	Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software	
15.	Day/Night Switch	Support auto, scheduled	
16.	Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)	
17.	Detections	Motion detection	
18.	Alarms	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error	

Ser	System Parameter	Technical Specification	Compliance Yes / No
19.	Protocols Standard	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1X, QoS, Ipv6, ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
20.	General Function	One-key rest, anti-flicker, password protection, privacy mask, watermark, IP address filter	
	Interface		
21.	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port	
22.	Reset	Support	
	General		
23.	Operating Conditions	-30°C to 60°C, humidity: 95% or less (non-condensing)	
24.	Power Supply	DC12V ± 25%, PoE (802.3af)	
25.	Ingress Protection	IP 67	
26.	Vandal Proof	IK 10	
27.	IR array Range	Up to 40 Mtr	
28.	Other Features	Motion and intrusion detection 2 KV surge and voltage transient protection 128 GB Surveillance grade SD Card support	
29.	Certification	UL / FCC / CE / BIS approved	
	POE + SWITCH 08 CHANNEL		
1.	Interface 8 port with 8 + 2	8 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports	
2.	Port Standards & Functions	Ports 1 to 8 compliant with IEEE802.3at (PoE+)	
	POE+ SWITCH 16 CHANNEL		
3.	Interface 16 Port with 16 + 2	16 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports	
4.	Port Standards & Functions	Ports 1 to 4 compliant with IEEE802.3at (PoE+) Ports 5 to 16 compliant with IEEE802.3af / IEEE802.3at	
	POE+ SWITCH 24 CHANNEL		
5.	Interface 24 port with 24 + 2	24 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps Uplink ports	
6.	Port Standards & Functions	Ports 1 to 4 compliant with IEEE802.3at (PoE+) Ports 5 to 24 compliant with IEEE802.3af / IEEE802.3at	
7.	Other Features	Metal body POE switch with 6 KV surge protector	

Ser	System Parameter	Technical Specification	Compliance Yes / No
8.	Other Features	Transmission support upto 300 meter minimum	
9.	POE power budget	60w for 8 port 125 w for 16 port 225 w for 24 ports	
OTHER COMPONENTS OF CCTV			
1.	Power Supply	DC12V \pm 25%, PoE (802.3af)	
2.	Hard Disk Drive	Surveillance Hard Disk Drive (SATA III), Rated for 24/7 operation	
3.	Capacity	2TB , 4TB, 6TB ,8TB	
4.	Data Cable	CAT- 6E, Unarmored. To be laid in PVC Conduits	
5.	6 U Rack - (Wall Mount)	With Power Strip of 6 Socket power supply, with cooling fan, front door with locking arrangement.	
7.	2 U Rack - (Wall Mount)	With Power Strip of 6 Socket power supply, with cooling fan, front door with locking arrangement.	
MINIMUM WARRANTY PERIOD		ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION For all the components / packages offered	

Authorized Signatories
(Name, Designation and Seal of the Company / Firm)

TECHNICAL SPECIFICATIONS OF FIRE DETECTION AND ALARM SYSTEM

Ser	System Parameter	Technical Specification	Compliance Yes / No
1	Control Panel	i. The primary function of the control panel shall be to automatically respond to the operation of one or more detectors to give fire alarm and to indicate area (zone) from where the devices are activated. Required specifications of Control Panel are	
		ii. 2 Zone / 4 Zone Microprocessor based Master Control Panel as per IS: 2189-2008. On activation it should initiate Audio alarm as well as visual signal on the control panel.	
		iii. 2 Zone / 4 Zone Main Control Panel should be latest microprocessor technology based and as per	

Ser	System Parameter	Technical Specification	Compliance Yes / No
		IS:2189-2008.	
		iv. The panel should be compatible with all type of standard conventional detectors.	
		v. The Panel should have a manual OFF switch for manual operation in case of continuous fault alarm.	
		vi. The Panel should have 2 or more zones and zone disable switches accordingly to the number of zones.	
		vii. On activation it should initiate Audio alarm (The sound characteristic of the alarm should be continuous and similar throughout the protected premises) as well as visual signal on sector/zonal panel of the control panel.	
		viii. Each zone can be connected with 20 conventional detectors.	
		ix. Control Panel should have inbuilt SMPS with spike/ transient reduction circuit, to avoid any false alarming in case of transient/abrupt voltage fluctuations.	
		x. Control Panel should have Test Certificate with details like Model No., Serial No., Zones, etc.	
		xi. The Panel should have feature of continuous uninterrupted power supply in case of External Power supply failures. The battery backup with built battery charger for not less than 12 hours normal working.	
		xii. Panel should be compatible for installation of external Auto-dialer - both PSTN and GSM types.	
		xiii. The Panel should have approvals listing of BIS/ UL /LPCB/ FM/ VdS.	
	(e) Power supply	The fire panel shall operate from a 230 v + / - 10 % 50Hz mains supply and in case of power failure shall automatically switch over to a built-in sealed maintenance free (SMF) battery with a switch over time of less than 100 ms	
	(f) Display / Indication	Master Control Panel should have audible and visual indications of system status as under <ul style="list-style-type: none"> ➤ LCD display showing system status ➤ System ON indication (ON - OFF indicators) ➤ Fault status LED indication ➤ Low Battery / AC power off indications 	
	(g) Number of zones	iii. Minimum 2 zones with Zone Isolation facility and loop voltage cut off. iv. The panel should have facility to isolate/open individual zones.	
	(h) Lamp Test facility & Walk	iii. The master control panel should be provided with Lamp Test facility & Walk Test facility. iv. The control panel should also have acknowledge, cancel, reset, isolation, silence, self-check buttons	

Ser	System Parameter	Technical Specification	Compliance Yes / No
	Test facility		
2	Battery back up	v. Battery backup of minimum 10 hours duration in normal working condition and 20 minutes in alarm activated condition (All hooters activated) thereafter.	
		vi. Battery should be of sealed maintenance free (SMF) type with capacity of 14Ah or more.	
		vii. Panel should have in built battery charger with over charging and deep discharging protection.	
		viii. Battery Low visual warning with audible tone.	
3	Smoke detectors	<p>i. The System should have smoke detectors of both ionization type (below false ceiling) and optical type (above false ceiling) conforming to the IS: 2189-2008. Both ionization and optical type smoke detectors will be installed in the ratio 2:1. (Note: If ionization sensors are not available in market Optical sensors are to be used in lieu).</p> <p>ii. Smoke detector should have LED, which should flash periodically to indicate that the detector is in proper working mode and glow continuously if smoke is detected.</p> <p>iii. Smoke detectors should have approvals/ listing of BIS / UL/LPCB/ FM/ VdS.</p>	
4	Heat detectors	<p>v. Heat detectors conforming to the IS: 2189-2008.</p> <p>vi. Heat detector should have LED, which should flash periodically to indicate that the detector is in proper working mode and glow continuously if heat is detected.</p> <p>vii. The detectors should have approvals / listing of BIS / UL /LPCB 7 FM/ VdS.</p>	
5	Flame detectors (UV / IR)	<p>v. Flame detector (UV / IR) conforming to the IS: 2189-2008.</p> <p>vi. Flame detector should have LED, which should flash periodically to indicate that the detector is in proper working mode and glow continuously if flame is detected.</p> <p>vii. The detectors should have approvals/ listing of BIS / UL / LPCB / FM / VdS.</p>	
6	Auto-dialer (PSTN / GSM)	<p>xi. Public switched telephone network (PSTN) based Auto-dialers are to be installed in Branches with good landline connectivity.</p> <p>xii. For branches without landline or downtime of landline is high, GSM based Auto-dialers are to be installed.</p> <p>xiii. For both types, the minimum required specifications are as under.</p> <p>xiv. Auto-dialer should have facility to dial at least 5</p>	

Ser	System Parameter	Technical Specification	Compliance Yes / No
		<p>telephone / mobile no's and transmit voice message of at least 20 seconds.</p> <p>xv. Auto-dialer must be always in standby mode and should have visual indication for "system ON" function and activate automatically on alarm (security / fire) being activated.</p> <p>xvi. On activating of the control panel of Alarm System, pre-recorded voice messages of at least 20 seconds is to be transmitted through the PSTN / GSM Sim to the stored telephone numbers.</p> <p>xvii. Auto-dialer should have a display and option for viewing the mobile numbers stored in the Auto-dialer without activating the control panel. The display panel should display the phone number being dialed.</p> <p>xviii. Auto-dialer must be user friendly. Must have facility to view/ update the phone numbers fed in Auto-dialer without any external hardware.</p> <p>xix. If number is not responded, facility to re-dial the number after completing the cycle should be provided.</p> <p>xx. GSM Based Auto-dialers should generate SMS alerts in addition to auto-dialing the pre-fed numbers</p>	
7	External Hooters	<p>iii. External hooters (sounders) of fire alarm system should be electronic hooters/horns/electric bell having a frequency range of 500 to 1000 Hz.</p> <p>iv. Sound from the hooters on activation of the Fire Detection and Alarm System should be clearly audible up to 500 meters.</p>	
8	Response indicators (RI)	Response indicators with LED indicators to indicate activation of a detector installed inside rooms / cabins and above false ceiling or generally hidden	
9	Manual Call Points (MCP)	The Manual Call Point (MCPS) should be break glass type with hammer or thumb press type.	
10	Certification	<p>All the system components offered should have approvals / listing of any of the following Agencies:</p> <p>viii. BIS (Bureau of Indian Standards)</p> <p>ix. UL (Underwriters Laboratories)</p> <p>x. FM (Factory Mutual)</p> <p>xi. LPCB (Loss Prevention Certification Board)</p> <p>xii. VdS (Vertrauen durch Sicherheit)</p>	
11	MINIMUM WARRANTY PERIOD	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION	

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TECHNICAL SPECIFICATIONS OF ELECTRONIC ALARM SYSTEM

Ser	System Parameter	Technical Specification	Compliance Yes / No
1.	Primary Function	i. The primary function of the control panel is to respond to the activation of one or more detectors to give burglar alarm during an intrusion or hold up in the protected premises. On activation it should initiate audio alarm in the protected premises as well as visual signal on the control panel.	
2.	Alarm Control Panel	i. Control Panel of the system must be 2-Zone / 4-zone (or more zones), microprocessor based, keypad (password) operated type for switch off and/or mode change. ii. Control Panel of the system must have capability to connect at least 20 panic switches and 08 anti-burglary (night) sensors of different types and any make. iii. Control Panel must have an internal hooter and provision to connect at least two external hooters.	
	(a) Day mode and night mode	i. Should have facility to switch between “Day (Unarmed)” and “Night (Armed)” modes automatically at pre-programmed times and also it can be manually overridden without any external hardware. ii. Should have programmable time delay of alarm activation in “Day (Unarmed)” mode and immediate activation in “Night (Armed)” mode.	
	(b) Tamper proof	i. System should be tamper proof. i.e, must activate alarm in case of any tampering with control panel / Auto-dialer / switches / sensors / hooters / cables or any other components.	
	(d) Password protection	i. The program menu should have PIN/password protection. There should be option for changing password without requirement of any additional hardware.	
	(e) Power supply	i. The alarm system should operate from a 230 v + / - 10 % 50 Hz mains supply from the UPS unit of the protected premises. In case of power failure, system should automatically switch over to standby power (battery backup).	
	(f) Battery backup	i. Battery backup of minimum 8 hours duration and 20 minutes in alarm activated condition (All hooters activated) thereafter. ii. Battery should be of sealed maintenance free	

Ser	System Parameter	Technical Specification	Compliance Yes / No
		(SMF) type with capacity of 7Ah or more. iii. Panel should have in built battery charger with over charging and deep discharging protection. iv. Battery Low visual warning with audible tone.	
	(g) Compatibility with Auto-dialers / Detectors / sensors	i. EAS should have provision to connect minimum 15 panic switches in day mode. ii. EAS should have a night mode (Armed Mode) with provision to connect 8 each passive infrared (PIR) sensors, Vibration (motion) sensors and magnetic contact sensors. iii. EAS should also support pressure switches, light sensors, rolling shutter contact sensors and wireless (cordless) switches. iv. Panel should be compatible for installation of external Auto-dialer - both PSTN and GSM types.	
3	Auto-dialer (PSTN / GSM)	i. Refer Specifications given above Fire Detection and Alarm System.	
4	Hooters	i. Three external Hooters and one in built hooter (inside control panel) is to be provided. One of the external hooters is to be installed inside the protected premises and two outside the premises at different locations / directions and at two ends of building. ii. The sound characteristic of the alarm should be continuous and similar throughout the protected premises. iii. Sound of alarm of all the hooters should be clearly audible up to 500 meters. Minimum requirement is 90 dB for internal hooter and 110 dB for External hooters.	
5	PIR Sensor	i. Detection Range: Minimum 20 Mtrs with horizontal angle more than 100 degrees ii. The system should work on quad linear technology to avoid any false alarm activation in night mode. iii. The PIR Sensors should be pet immune with immunity against all pets / rodents weighing less than 20 Kgs	
6	Panic Switch	Hand operated with inbuilt tamper switch (single click)	
7	Vibration (motion) sensor	i. Should detect vibration, breaking of glass, cutting of metal, grills/aluminum frames and drilling. ii. Should have High-Low sensitivity adjustment option	
8	Magnetic contact sensors	Tamper proof with 15 mm opening gap	
9	Wiring	ISI marked copper cables are to be laid in rigid PVC conduit with ISI mark, fixed with metal saddling at every 02 ft distance.	

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Ser	System Parameter	Technical Specification	Compliance Yes / No
10	Certification	Certification from BIS or UL/CE/FCC certification is mandatory.	
11	MINIMUM WARRANTY PERIOD	ONEYEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION	

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TECHNICAL SPECIFICATIONS - COMBI CCTV SYSTEM FOR ATM

<u>Sl</u>	<u>Description</u>	<u>Make / Model</u>	<u>Compliance Yes/ No</u>
1.	CCTV 4-Channel HD DVR with Inbuilt colour monitor		
2.	Surveillance HDD - 1 TB		
3.	Surveillance HDD - 2 TB		
4.	Surveillance HDD - 4 TB		
5.	Surveillance HDD - 6 TB		
6.	Surveillance HDD - 8 TB		
7.	IR Dome Camera		
8.	IR Bullet Camera		
9.	Hidden / Pin Hole Camera		
10.	SMPS Unit - 4 Camera output		
11.	Network Rack		
12.	CCTV Co-Axial Cable laid in ISI marked PVC conduits		
13.	DVR Mouse		
14.	Any other parts / components		
15.	MINIMUM WARRANTY PERIOD	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION	

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TECHNICAL SPECIFICATIONS : ELECTRONIC ALARM SYSTEM FOR ATMs

<u>Ser</u>	<u>Description</u>	<u>Technical Specification</u>	<u>Compliance Yes/ No</u>
1.	2 Zone Control panel (microprocessor based panel) The control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors.		
2.	Rechargeable Batteries for minimum 4 hrs power backup		
3.	Magnetic Contacts (Sensors)		
4.	Thermal Sensor		
5.	Heat Sensors		
6.	Smoke Sensor		
7.	Vibration (Motion) Sensors		
8.	Pressure switch		
9.	External hooters (the sound of alarm should be clearly audible up to 500 meters)		
10.	Inbuilt hooter		
11.	Cabling (1.5 sq.mm copper unarmored cable (ISI) IS: 1554 Wiring in ISI conduit pipes)		
12.	Any other parts / components		
13.	MINIMUM WARRANTY PERIOD	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION	

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Date:

TECHNICAL SPECIFICATIONS OF OTHER SECURITY EQUIPMENTS

Ser	Description of equipment	Specifications		Compliance Yes / no
4.	Time Lock (Digital Type)	Function	To enable the vault room / safe door to be opened at preset time	
		Location	Doors of strong room/ Cash safe / Gold safe. Will be required to install on any of the doors above as per Bank's requirement	
		Type	Micro controller based electro-mechanical locking system. Time Lock should be real time clock-based control system. It should have facility to set time frames for opening vault door.	
		Access	Time Lock can only be opened at programmed time with help of a password provided to specific user(s).	
		Dual User Control	Should have facility to open with dual user codes (Two different codes together)	
		Power backup	Should have independent power supply unit with sufficient battery backup for 6 hours	
		Override	There should be provision to override locking system with a master key in case of emergency/failure of time lock.	
		Emergency Switch	An emergency switch should be provided to lock the system up to 4 hours in case of any intrusion.	
	MINIMUM WARRANTY PERIOD	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION		
5.	Bio Metric Access Control System	Function	To enable the vault room grill door to be opened by authorised persons by verifying biometrics (Finger Print)	
		Biometric Type	Fingerprint / Microprocessor based	
		Number of Biometric Entries	100 entries or more	
		Number of Biometric Sensors	Two (One outside the vault and one inside)	
		Mode of granting access	With single biometric (one custodian) and dual biometrics (two custodians together) which can be set as per the site requirement	
	MINIMUM WARRANTY PERIOD	ONE YEAR REPLACEMENT WARRANTY FROM THE DATE OF INSTALLATION		

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(Name, Designation and Seal of the Company / Firm)

MAKE / BRAND / MODEL NO. OF COMPONENT OF CCTV, FAS & EAS OFFERED

MAKE / BRAND / MODEL NO. OF COMPONENTS OF CCTV SYSTEM OFFERED

We certify that the CCTV Systems the components offered by us confirm to the tender specifications and the make / brand / model are as under:-

Ser	Description	Make / Brand	Model No.
1.	4-Channel HD DVR with 2 SATA Ports		
2.	8-Channel HD DVR with 8 SATA Ports		
3.	16-Channel HD DVR with 8 SATA Ports		
4.	32-Channel HD DVR with 8 SATA Ports		
5.	8-Channel NVR with 4 SATA Ports		
6.	16-Channel NVR with 4 SATA Ports		
7.	32-Channel NVR with 8 SATA Ports		
8.	4-Channel HD DVR with inbuilt colour monitor for ATM		
9.	Surveillance HDD - 2 TB		
10.	Surveillance HDD - 4 TB		
11.	Surveillance HDD - 6 TB		
12.	Surveillance HDD - 8 TB		
13.	2 MP Fixed HD IR Dome Camera		
14.	2 MP Fixed HD IR Bullet Camera		
15.	2 MP Varifocal HD IR Dome Camera		
16.	2 MP Varifocal HD IR Bullet Camera		
17.	Hidden / Pin Hole Camera		
18.	2 MP IP based HD IR Dome Camera, Fixed Lens		
19.	2 MP IP based HD IR Dome Camera, Varifocal Lens		
20.	2 MP IP based HD IR Bullet Camera, Fixed Lens		
21.	2 MP IP based HD IR Bullet Camera, Varifocal Lens		
22.	2 MP IP based HD IR Dome Camera, Fixed Lens with 128 GB SD Card		
23.	2 MP IP based HD IR Dome Camera, Varifocal Lens with 128 GB SD Card		
24.	2 MP IP based HD IR Bullet Camera, Fixed Lens with 128 GB SD Card		
25.	2 MP IP based HD IR Bullet Camera, Varifocal Lens with 128 GB SD Card		
26.	19" Full HD LED Monitor		
27.	21" Full HD LED Monitor		
28.	26" Full HD LED Monitor		
29.	32" Full HD LED Monitor		

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Ser	Description	Make / Brand	Model No.
30.	43" Full HD LED Monitor		
31.	SMPS Unit for 4 Cameras		
32.	SMPS Unit for 8 Cameras		
33.	4U Network Rack		
34.	6U Network Rack		
35.	4/5 Port PoE switch		
36.	8 Port PoE switch		
37.	16 Port PoE switch		
38.	24 Port PoE switch		
39.	RG-6 coaxial video cable in PVC conduit		
40.	2 Core 1.5 sqmm power cable in PVC conduit		
41.	CAT-6E cable in PVC conduit		
42.	HDMI Cable - 5 Mtrs		
43.	Wireless Mouse		
44.	Wired Mouse		
45.	Wall mount for LED Monitor		
46.	PVC Junction Box with IP66 rating for cameras (Size - 4" x 4" Square)		
47.	64 GB SD Card for IP camera		
48.	128 GB SD Card for IP camera		
49.	Any other parts / components	Separate list to be attached	

Authorised Signatories

(Name, Designation and Seal of the Company / Firm)

MAKE / BRAND / MODEL NO. OF COMPONENTS OF FIRE DETECTION AND ALARM SYSTEM OFFERED

We certify that the Fire Detection and Alarm System and the components offered by us confirm to the tender specifications and the make / brand / model are as under: -

Ser	Description	Make / Brand	Model No.
1.	2 Zone microprocessor-based FAS control panel with inbuilt PSTN auto-dialer		
2.	4 Zone microprocessor-based FAS control panel with inbuilt PSTN auto-dialer		
3.	2 Zone microprocessor-based FAS control panel without auto-dialer		
4.	4 Zone microprocessor-based FAS control panel without auto-dialer		
5.	PSTN auto-dialer (External)		
6.	GSM auto-dialer (External)		
7.	SMF Battery, 7 AH, 12 Volt		
8.	SMF Battery, 14 AH, 12 Volt		
9.	Flame detectors		
10.	Smoke detectors (ISD)		
11.	Smoke detectors (OSD)		
12.	Heat detectors		
13.	Response indicators		
14.	Manual Call Points		
15.	External hooters		
16.	LPG Leak detectors		
17.	Cabling -1.5 sq.mm copper armored cable with ISI marking		
18.	Any other parts / components	Separate list to be attached	

Authorised Signatories

(Name, Designation and Seal of the Company / Firm)

**MAKE / BRAND / MODEL NO. OF COMPONENTS OF ELECTRONIC ALARM SYSTEM
OFFERED**

We certify that the Electronic Alarm System and the components offered by us confirm to the tender specifications and the make / brand / model are as under: -

Ser	Description	Make / Brand	Model No.
1.	2 Zone microprocessor-based EAS control panel with inbuilt PSTN auto-dialer2 Zone Control panel for ATMs (The control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors).		
2.	4 Zone microprocessor-based EAS control panel with inbuilt PSTN auto-dialer		
3.	2 Zone microprocessor-based EAS control panel without auto-dialer (The control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors).		
4.	4 Zone microprocessor-based EAS control panel without auto-dialer		
5.	PSTN based auto-dialer (External)		
6.	GSM based auto-dialer (External)		
7.	SMF Battery, 7 AH		
8.			
9.	Magnetic Contact Sensors		
10.	Panic Switches (Hand Operated)		
11.	Panic Switches (Pedal)		
12.	Passive Infra-Red (PIR) Sensors		
13.	Vibration (Motion) Sensors		
14.	Thermal Sensors		
15.	Smoke Sensors		
16.	Heat Sensors		
17.	External hooters		
18.	4 Core Multi strand .75 sq. mm wire in ISI conduit pipes		
19.	Light sensors		
20.	Pressure switches		
21.	Rolling shutter contact sensors		
22.	Wireless (cordless) switches		
23.	Any other parts / components	Separate list to be attached	

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Date:

MAKE / BRAND/MODEL NO. OF COMPONENTS OF COMBI CCTV SYSTEM FOR ATM

<u>Sl</u>	<u>Description</u>	<u>Make / Brand</u>	<u>Model Number</u>
	CCTV 4-Channel HD DVR with Inbuilt colour monitor		
2.	Surveillance HDD - 1 TB		
3.	Surveillance HDD - 2 TB		
4.	Surveillance HDD - 4 TB		
5.	Surveillance HDD - 6 TB		
6.	Surveillance HDD - 8 TB		
7.	IR Dome Camera		
8.	IR Bullet Camera		
9.	Hidden / Pin Hole Camera		
10.	SMPS Unit - 4 Camera output		
11.	Network Rack		
12.	CCTV Co-Axial Cable laid in ISI marked PVC conduits		
13.	DVR Mouse		
14.	Any other parts / components		

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VARIOUS PACKAGES OF CCTV, FAS & EAS FOR WHICH PRICE BID IS INVITED

Bank intends to purchase various packages of CCTV Systems, Fire Detection and Alarm System with Auto dialer and Electronic Alarm System with auto dialer depending upon the site and other requirements of Bank. Some of the general type and variants of packages proposed to be procured are enumerated in the succeeding paragraphs. Bank reserves the right to change the components of the package as per the requirement. In such cases, the new package cost will be arrived by any of the following methods by the Bank, which shall be binding on the empanelled vendors:-

- (a) **Totaling the approved component cost to make a package as per the site requirement.**

OR

- (b) **Number of cameras and other components of the approved package remain same and type of cameras (Bullet / Dome / Fixed focal / vary focal etc.) for any particular site may vary as per Bank's requirement. In such cases the total cost will be arrived by adding or subtracting the difference amount of cameras used from the approved package cost. No separate labor charges and cabling charges will be applicable for any such customized package as per the bank requirement.**

OR

- (c) **By adding or reducing the components to / from the approved packages of security equipment. For such modified packages, the package cost will be arrived by adding or reducing the approved rates of such components added to or reduced from the approved package cost. No separate labor charges will be applicable for any such customized package as per the bank requirement. In such case, cost of cable will be paid for the actual quantity of cable used for wiring as per the approved rate of cable, post joint measurement on completion of work.**

(a) **DVR BASED CCTV SYSTEM - PACKAGES REQUIRED (A, B, C & D)**

Sr	Description	Deno	PACKAGE - A	PACKAGE - B	PACKAGE - C	PACKAGE - D
			4-Channel DVR with 4 Cameras	16-Channel DVR with 8 Cameras	16-Channel DVR with 12 Cameras	16-Channel DVR with 16 Cameras
1.	4-Channel HD DVR with 2 SATA Ports	No.	1	0	0	0
2.	16-Channel HD DVR with 8 SATA Ports	No.	0	1	1	1
3.	Surveillance HDD 4 TB	No.	2	4	6	8
4.	2 MP Fixed HD True WDR IR Dome Camera	No.	1	3	6	4
5.	2 MP Varifocal HD True WDR IR Dome Camera	No.	1	4	4	8
6.	Pin Hole Camera	No.	1	0	0	0
7.	2 MP Varifocal HD True WDR IR Bullet Camera	No.	1	1	2	4
8.	21" Full HD LED Monitor	No.	1	1	0	0
9.	26" Full HD LED Monitor	No.	0	0	1	1
10.	HDMI Cable - 5 Mtrs	No.	1	1	1	1
11.	6U Network Rack	No.	1	1	1	1
12.	SMPS Unit - for 4 cameras	No.	2	2	3	4
13.	Wireless Mouse	No.	1	1	1	1
14.	RG-6 coaxial cable in ISI marked PVC conduit **		40m	140m	180m	220m
15.	2 Core 1.5 sqmm power cable in ISI marked PVC conduit **		40m	140m	180m	220m
16.	Any other component left out to be quoted:- (a) (b) (c)					
17.	Minimum Recording required		90 days with all cameras set at continuous recording at 25 fps and 1080P			

Note - ** Estimated average cable requirements for installing 4 or 8 or 12 or 16 cameras are given. Additional cable used beyond the given average will have to be born by the vendor within package cost. No extra amount for cable will be paid for any of the given package. No additional charge will be paid for PVC conducting.

(b)NVR Based CCTV System - Packages required (A, B, C & D)

Sr	Description	Deno	PACKAGE - A	PACKAGE - B	PACKAGE - C	PACKAGE - D
			16-Channel NVR with 12 Cameras	16-Channel NVR with 16 Cameras	32-Channel NVR with 16 Cameras	32-Channel DVR with 32 Cameras
1.	16-Channel NVR with 4 SATA Port	No.	1	1	0	0
2.	32-Channel NVR with 8 SATA Port	No.	0	0	1	1
3.	Surveillance HDD - 6 TB	No.	3	4	4	8
4.	2 MP IP based HD IR Dome Camera, Fixed Lens	No.	4	8	8	18
5.	2 MP IP based HD IR Dome Camera, Varifocal Lens with 128 GB SD Card	No.	4	4	4	6
6.	2 MP IP based HD IR Bullet Camera, Fixed Lens	No.	2	2	2	4
7.	2 MP IP based HD IR Bullet Camera, Varifocal Lens	No.	2	2	2	4
8.	PoE Switch, 8 port	No.	2	2	2	4
9.	21" Full HD LED Monitor	No.	1	0	0	0
10.	26" Full HD LED Monitor	No.	0	1	1	0
11.	32" Full HD LED Monitor	No.	0	0	0	1
12.	HDMI Cable - 5 Mtrs	No.	1	1	1	1
13.	6U Network Rack	No.	1	1	1	1
14.	Wireless Mouse	No.	1	1	1	1
15.	Any Other component left out:- (a) (b) (c)					
16.	CAT 6E cable in PVC conduit		As per actual requirement at the site. For cabling / wiring / PVC conduits no extra charges to be claimed.			
17.	Power Supply units and cable					
18.	Minimum Recording required		90 days with all cameras set at continuous recording at 25 fps and 1080P resolution			

(c) Fire Detection and Alarm System - Packages

Two variants of Fire Detection and Alarm System packages required is as under:

Sr	Description	2 Zone FAS	4 Zone FAS
1.	4 Zone Master control panel without inbuilt auto dialer	0	1 No.
2.	2 Zone Master control panel without inbuilt auto dialer	1 No.	0
3.	PSTN based auto-dialer (External)	1 No.	1 No.
4.	Rechargeable SMF Batteries for 10 hrs power backup	1 Set	1 Set
5.	Smoke detectors (ISD) [OSD in lieu if ISD N.A]	6 Nos.	8 Nos.
6.	Smoke detectors (OSD)	3 Nos.	4 Nos.
7.	Heat detectors	1 No.	1 No.
8.	Response Indicators	3 Nos.	4 Nos.
9.	Flame Detector	1 No.	3 Nos.
10.	Manual Call Points (MCP)	2 Nos.	3 Nos.
11.	External hooters	2 Nos.	2 Nos.
12.	Cabling -1.5 sq.mm copper armored cable	As required	As required

d) Electronic Alarm System - Packages

Two variants of Electronic Alarm System (EAS) packages required is as under:

Sr	Description	2 Zone EAS ATM	4 Zone EAS Branch
1.	4 Zone EAS Control panel without inbuilt auto dialer	0	1 No.
2.	2 Zone microprocessor-based EAS control panel without auto-dialer (Control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors).	1 No.	0
3.	PSTN based auto-dialer	0	1 No.
4.	Rechargeable SMF Batteries for minimum 10 hrs power backup	1 Set	1 Set
5.	Magnetic Contact Sensors	4 Nos.	6 Nos.
6.	Panic Switches		12 Nos.
7.	Passive Infra-Red (PIR) Sensors		4 Nos.
8.	Vibration (Motion) Sensors	2 Nos.	4 Nos.
9.	Thermal Sensors	1 No.	
10.	Smoke Sensors	1 No.	
11.	Heat Sensors	1 No.	
12.	Pressure Switch	1 No.	
13.	External hooters	2 Nos.	3 Nos.
14.	External Auto Dialer	0	1 No.
15.	4 Core Multi strand .75 sq. mm wire in ISI conduit pipes	As required	As required

(e)COMBI CCTV SYSTEM FOR ATM - Package

Sr	Description	Qty
1.	CCTV 4-Channel HD DVR with Inbuilt colour monitor	01
2.	Surveillance HDD - 1 TB	0
3.	Surveillance HDD - 2 TB	0
4.	Surveillance HDD - 4 TB	02
5.	Surveillance HDD - 6 TB	0
6.	Surveillance HDD - 8 TB	0
7.	2 MP Fixed HD True WDR IR Dome Camera	02
8.	2 MP Fixed HD WDR IR Bullet Camera	01
9.	Hidden / Pin Hole Camera	01
10.	SMPS Unit - 4 Camera output	01
11.	Network Rack	01
12.	RG-6 coaxial cable in ISI marked PVC conduit ***	40 m
13.	2 Core 1.5 sqmm power cable in ISI marked PVC conduit ***	40 m
14.	DVR Mouse	01
15.	Any other parts / components	

Note - *** Estimated average cable requirements for installing 4 cameras in an ATM is given. Additional cable used beyond the given average will have to be born by the vendor within package cost. No extra amount for cable will be paid for any of the given package. No additional charge will be paid for PVC conduiting.

Authorized Signatories
(Name & Designation, seal of the firm)
Date:

ANNEXURE-VI

FORMAT OF PERFORMANCE BANK GUARANTEE
(Covering Delivery obligations)

NOTE:

1. This guarantee should be furnished by a Nationalized Bank / Scheduled Bank, other than Union Bank of India, as per the following format.
2. This bank guarantee should be furnished on stamp paper value as per Stamp Act. (not less than Rs. 500/).
3. This Performance Bank Guarantee should be furnished within 14 days of the notification of the award of the Contract.

To

Union Bank of India,

Dear Sir,

In consideration of Union Bank of India, _____ placing an order for implementation of & on _____ having registered office at _____ (hereinafter called the firm) as per the work order entered into by the firm vide work order no. _____ dated _____ (hereinafter called the said contract), We _____ (Name of the Guarantor Bank), a schedule bank, issuing this guarantee through its branch at _____ presently located at _____ (hereinafter called the bank), do hereby irrevocably and unconditionally guarantee the due performance of the firm as to the Supply, Installation, Maintenance of _____ at _____.

If the said firm fails to implement or maintain the system or any part thereof as per the contract and on or before the schedule dates mentioned therein, we the Guarantor Bank), do hereby unconditionally and irrevocably agree to pay the amounts due and payable under this guarantee without any demur and merely on demand in writing from you during the currency stating that the amount claimed is due by way of failure on the part of the vendor or loss or damage caused to or suffered / or would be caused to or suffered by you by reason of any breach by the said vendor of any of the terms and conditions of the said contract in part or in full. Any such demand made on us shall be conclusive as regards the amount due and payable under this guarantee.

We _____ (Name of the Guarantor Bank), further agree that this guarantee shall continue to be valid unless you certify that the vendor has fully performed all the terms and conditions of the said contract and accordingly discharge this guarantee, or until _____, whichever is earlier. Unless a claim or demand is made on us in writing under this guarantee on or before

_____, we shall be discharged from all our obligations. If you extend the schedule dates of performance under the said contract, as per the terms of the said contract, the vendor shall get the validity period of this guarantee extended suitably and we agree to extend the guarantee accordingly at the request of the firm and at our discretion, provided such request is served on the bank on or before _____.

Failure on part of the vendor in this respect shall be treated as a breach committed by the firm and accordingly, the amount under this guarantee shall at once become payable on the date of receipt of demand made by you for payment during the validity of this guarantee or extension of the validity periods.

You will have fullest liberty without affecting this guarantee to postpone for any time or from time to time any of your rights or powers against the vendor and either to enforce or forebear to enforce any or all of the terms and conditions of the said contract. We shall not be released from our liability under this guarantee by the exercise of your liberty with reference to matters aforesaid or by reason of any time being given to the firm or any other forbearance act or omission on your part or any indulgence by you to the firm or by any action or modification of the said contract or any other act, matter or thing whatsoever which under the law relating to sureties would but for the provisions hereof have the effect of so releasing us from our liability hereunder.

In order to give full effect to the guarantee herein contained you shall be entitled to act as if we are your principal debtors in respect of all your claims against the firm hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of surety ship and other rights if any which are in any way inconsistent with the above or any other provision of this guarantee.

The words the firm, the beneficiary of this guarantees i.e. Yourself, and ourselves i.e., _____ (Name of the Guarantor Bank), unless repugnant to the context or otherwise shall include their assigns, successors, agents, legal representatives. This guarantee shall not be affected by any change in the constitution of any of these parties and will ensure for and be available to and enforceable by any absorbing or amalgamating or reconstituted company or concern, in the event of your undergoing any such absorption, amalgamation or reconstitution.

This guarantee shall not be revocable during its currency except with your prior consent in writing. This guarantee is non-assignable and non-transferrable.

Notwithstanding anything contained herein above:

- I) Our liability under this bank guarantee shall not exceed Rs. _____ (Rupees _____ Only).
- II) This bank guarantee shall be valid up to _____.
- III) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only if you serve upon us a written claim or demand (and which should be received by us), on or before _____ before 12:00 hours (Indian standard time) where after it ceases to be in effect in all respects whether or not the original bank guarantee is returned to us.

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



This guarantee deed must be returned to us upon expiration of the period of guarantee.

Signature _____
Name _____
(In Block letters)
Designation _____
(Staff Code No.). _____

Official address:
(Bank's Common Seal)
Attorney as per power of Attorney No.
Date:

WITNESS:

1. _____ (Signature Name, Designation &Address)
2. _____ (Signature Name, Designation &Address)

Annexure VII

FORMAT OF AMC AGREEMENT

This agreement known as Comprehensive Post Warranty Maintenance Contract (hereinafter called CPWMC) made on the ____ day of _____, between Union Bank Of India , Regional Office,-----on behalf of ----- branches (Sl No. --- to Sl No. ----- of Annexure B) coming under the Region, for Union Bank of India, a body corporate, constituted under Banking Companies (Acquisition and Transfer of Undertakings) Act V of 1970 having its Head Office at 239, Vidhan Bhavan Marg, Backbay Reclamation, Nariman Point, Bombay - 400 021 and a Branch/Office amongst other offices at Union Bank of India, -----, ----- (hereinafter called as “FIRST PARTY”) which expression includes its successors and assigns of the first part and M/s. -----and having its registered office at ----- (hereinafter called as ‘THE AGENCY’) which expression shall include its successors and assigns of the second part.

Whereas THE AGENCY has agreed to provide, and FIRST PARTY has agreed to accept from “THE AGENCY”, repair and Comprehensive maintenance services for the CCTV, Electronic Alarm System and Fire Alarm System (hereinafter called as “EQUIPMENT”) listed in Annexure- A hereto as amended from time to time, subject to the FIRST PARTY paying charges as mentioned in the said schedule to THE AGENCY on the following terms and conditions:

In consideration of the premises it is agreed between the parties as follows:

1. COMMENCEMENT AND TERMS:

1.1. This Agreement is effective from the -----and shall be for one year on each occasion unless the parties decide otherwise. The services will be reviewed by FIRST PARTY on half yearly basis and continuation of the agreement will be subject to satisfactory services and the THE AGENCY performing all the covenants contained herein. Subsequent renewals will take place only if notice in writing or intention to renew this agreement is given by either party to the other at least three calendar months in advance at the address of Branch Office of FIRST PARTY or that of THE AGENCY mentioned above by registered post subject to the commitment given by THE AGENCY regarding provision of uninterrupted maintenance services for the said EQUIPMENT existing at the Branches as per the annexure above mentioned. All the terms and conditions stipulated in RFP, RO: EKM: SEC: -----dated ----- - forms part of this agreement.

1.2. Upon termination or after expiration of this Agreement, each party shall forthwith return to the other all papers, material and other properties of the other held by each for the purposes of execution of this Agreement.

In addition, THE AGENCY shall assist FIRST PARTY, in the orderly termination of this Agreement on the transfer of all the assets hereof tangible and intangible, as may be necessary for the orderly, non-disrupted continuation of business of FIRST PARTY.

1.3. Individual items of EQUIPMENT, and repair and maintenance service charge for such EQUIPMENT, may be added to or withdrawn from Annexure A of this Agreement by mutual written consent of both parties; PROVIDED ALWAYS that such consent is not unreasonably withheld. In the event that individual items of EQUIPMENT are added to Annexure A, it may involve additional maintenance charges.

2. CHARGES:

2.1. The charges payable by FIRST PARTY to THE AGENCY for the repair and maintenance services described herein are indicated in Annexure A attached; and unless provided for elsewhere herein, no additional charges shall be claimed by THE AGENCY. The charges agreed herein are firm for the entire period of this CPWMC viz. 1 year. The charges for this CPWMC is payable on a quarterly basis as arrears upon service visits.

2.2. THE AGENCY shall submit to FIRST PARTY their invoice(s) for payments due in accordance with this Agreement. The terms of such invoice(s) are that they shall be payable as indicated in Annexure A.

2.3. All of the prices, terms, warranties and benefits granted by THE AGENCY herein are comparable to or better than the equivalent terms being offered by THE AGENCY to any of its present customers and/or who have purchased similar equipment at the time when the respective equipment were purchased by FIRST PARTY.

3. REPAIRS AND MAINTENANCE SERVICE:

3.1. During the term of this Agreement THE AGENCY agrees to maintain the EQUIPMENT in good working order and for this purpose will provide the following repair and maintenance service:

- a) THE AGENCY shall correct any faults and failures in the EQUIPMENT and shall repair and replace worn out or defective parts of the EQUIPMENT during FIRST PARTY's normal local working hours i.e. from 10 a.m. to 5 p.m. on weekdays (other than bank holidays). In cases where any part of the EQUIPMENT (including battery, all parts and cabling) need replacement THE AGENCY shall replace such parts, at no extra cost to FIRST PARTY, with brand new parts or those equivalent to new parts in performance. If any of the peripherals, components like hard disk, cameras, sensors etc., are not available or difficult to procure or the procurement required is likely to be delayed for replacement, the replacement shall be carried out with state of the art technology equipment of equivalent capacity or higher capacity equipment at no additional charges to FIRST PARTY. The vendor is responsible to provide back up of CCTV system, within the purview of this AMC, whenever and wherever required, as per Bank's request, in any storage media supported by the CCTV system.
- b) THE AGENCY shall provide repair and maintenance service in response to email notice by FIRST PARTY.

- c) THE AGENCY should have at least their one office with Landline telephone connection and Email facility within the state in which the branch/office is located and office should be manned during the office hours. Email will be considered as valid means to report complaint and vendor is bound to give a confirmation of receipt of the complaint.
- d) The vendor should ensure that the equipment reported faulty on any working day is set right within 48 hours of reporting the complaint and in no case, later than three working days of the bank. In case, the hardware cannot be repaired within the stipulated period, the vendor should provide replacement of the same till the hardware is returned duly repaired without any additional charges.
- e) During Warranty and also during AMC period (if under AMC with the same vendor), the vendor should provide support for various issues relating to Hardware and Software, if required, taking backup before formatting the DVR, configuring Cameras etc. without any additional cost, however DVD/CD will be provided by the bank.
- f) The vendor should respond within 24 hrs to request made by the branch to provide necessary data to police/court without any additional charges.
- g) All complaints/service requests will be reported/ conveyed through email only.
- h) In case THE AGENCY fails to meet the above standard of maintenance, and the machine is down for more than 3 working days and no substitute is provided by the vendor, the Agency shall be liable for liquidated damages of Rs. 150.00 per day may be charged, from the 4th day of complaint to the maximum of Rs. 3000.00 per case. Such penalty may be recovered from the quarterly AMC charges to be paid by the FIRST PARTY or by any other means.
- i) ANNUAL Maintenance VISIT:- THE AGENCY shall conduct Preventive Annual Maintenance visit (including but not limited to inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the EQUIPMENT, and necessary repairing of the EQUIPMENT) once in three month during the currency of this Agreement, on a day and at a time to be mutually agreed upon. Notwithstanding the foregoing, THE AGENCY recognizes FIRST PARTY's operational needs and agrees that FIRST PARTY shall have the right to require THE AGENCY to adjourn Annual Maintenance visit Maintenance from any scheduled time to a date and time not later than fifteen working days thereafter.
- j) If in any quarter of year, THE AGENCY does not fulfill the provision of Annual Maintenance visit, the proportionate maintenance charges for that quarter will not be considered payable by FIRST PARTY.

- k) All repair and maintenance service described herein shall be performed by qualified maintenance engineers totally familiar with the EQUIPMENT.
- l) THE AGENCY shall maintain at FIRST PARTY's site, an equipment wise written maintenance and repair log; and shall record therein each incident of EQUIPMENT malfunction, date and time of commencement and successful completion of repair work and nature of repair work performed on the EQUIPMENT together with a description of the cause for work, either by description of the malfunction or as regularly scheduled Preventive Maintenance. FIRST PARTY shall use the same log for recording the nature of faults and failures observed in the EQUIPMENT, the date and time of their occurrence and the date and time of their communication to THE AGENCY.

3.2. Any worn-out or defective parts withdrawn from the EQUIPMENT and replaced by THE AGENCY shall become the property of THE AGENCY; and the parts replacing the withdrawn parts shall become the property of FIRST PARTY.

3.3. THE AGENCY's maintenance personnel shall, subject to Clause 7 herein, be given access to the EQUIPMENT when necessary, for purposes of performing the repair and maintenance services indicated in this Agreement. However THE AGENCY's maintenance personnel shall carry valid identity cards.

3.5. THE EQUIPMENT shall not be shifted to an alternate site and installed thereat during the currency of this Agreement without prior written notice to THE AGENCY. However, if FIRST PARTY desires to shift the EQUIPMENT to a new site and install it thereat urgently, THE AGENCY shall be informed of the same immediately. FIRST PARTY shall bear the charges for such shifting and reinstallation and THE AGENCY shall provided necessary assistance to FIRST PARTY in doing so. This Agreement, after such shifting and reinstallation would continue to be binding on THE AGENCY and FIRST PARTY.

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

4. FORCE MAJEURE:

Neither party shall be liable for delay in performing obligations or for failure to perform obligations if the delay of failure results from any of the following (whether happening in India or elsewhere) force majeure, Act of God, or any governmental act, fire, earthquake, explosion, accident, industrial dispute, civil commotion, or anything beyond the control of either party. The parties shall use all reasonable endeavors to minimize any such delay. Upon cessation of the even giving rise to the delay, the parties shall, insofar as may be practicable under the circumstances, complete performance of their respective obligations here under. Notwithstanding the foregoing, if any of the above mentioned event shall preclude THE AGENCY from meeting any of all of its obligations

hereunder, for a period of more than 3 (three) months, from the date of occurrence of such act, it shall be open to either party to rescind this contract by giving 1 (one) month's notice.

5. SUBCONTRACTING:

THE AGENCY will not subcontract or permit anyone other than THE AGENCY personnel to perform any of the work, services or other performance required of THE AGENCY under this Agreement without the prior written consent of FIRST PARTY.

6. EQUIPMENT ATTACHMENTS:

FIRST PARTY shall have the right to make changes and attachments to the EQUIPMENT, provided such changes or attachments do not prevent proper maintenance from being performed, or unreasonably increase the cost of performing repair and maintenance service.

7. SECURITY:

THE AGENCY agrees that it and its personnel will at all times comply with all security regulations in effect from time to time at FIRST PARTY's premises and externally for materials belonging to FIRST PARTY.

8. CONFIDENTIALITY:

THE AGENCY acknowledges that all material and information which has or will come into its possession or knowledge in connection with this Agreement or the performance hereof, consists of confidential and proprietary data whose disclosure to or use by third parties will be damaging or cause loss to FIRST PARTY. THE AGENCY, agrees to hold such material and information in strictest confidence, not to make use thereof other than for the performance of this Agreement, to release it only to employee requiring such information, and not to release or disclose it to any other party. THE AGENCY agrees to take appropriate action with respect to its employees to ensure that the obligations of non-use and non-disclosure of confidential information under this Agreement can be fully satisfied.

9. LIABILITY AND INDEMNITIES:

THE AGENCY represents and warrants that the repair and maintenance service/products hereby sold do not violate or infringe upon any patent, copyright, trade secret, or other property right of any other person or other entity. THE AGENCY agrees that it will, and hereby does, indemnify FIRST PARTY from any claim, directly or indirectly resulting from or arising out of any breach or claimed breach of this warranty.

10. BUSINESS TERMINATION:

In the event that THE AGENCY shall cease conducting business in the normal course, or wind up, make a general assignment for the benefit of creditors, suffer or permit the appointment of a receiver for its business or assets or shall avail itself of, or become subject to, any proceedings under any Act or Statute of any country or state relating to

insolvency or the protection of rights of creditors then (at the option of FIRST PARTY notwithstanding clause 1.1 of the Agreement) this Agreement shall terminate and be of no further force and effect and any property or rights of such other party, tangible or intangible, shall forthwith be returned to it. In such an event, Agency should forthwith refund the charges in their hand for the balance period of this agreement.

11. TERMINATION OF THIS AGREEMENT:

This Agreement may be terminated by either party in any of the following circumstances on written notice with three calendar months notice period:-

- Under the provision of Clause 1.1 of this Agreement.
- FIRST PARTY does not make payments due to THE AGENCY under this Agreement in terms of clause 2.1 and 2.2 above.
- Under the provision of Clause 4 and/or 10 of this Agreement.

12. ARBITRATION:

All disputes and differences of any kind whatever arising out of or in connection with this Agreement shall be referred to arbitration. The arbitrator may be appointed by both the parties or in case of disagreement each party may appoint an arbitrator and the decision of the arbitrator(s) shall be final. Such arbitration to be governed by the provisions of the Indian Arbitration Act.

13. GENERAL:

13.1. Marginal notes, headings are for guidance only and are not intended to be read or construed as part of this Agreement.

13.2. No amendment to this Agreement shall be effective unless it is in writing and signed by duly authorized representatives of both parties.

13.3. Each party warrants and guarantees that it has full power and authority to enter into and perform this Agreement, and the persons signing this agreement on behalf of each has been properly authorized and empowered to enter into this agreement. Each party further acknowledges that it has read this Agreement, understands it, and agrees to be bound by it.

13.4. Words importing the singular include the plural and vice versa.

IN WITNESS WHEREOF THE PARTIES HERETO have set and subscribed their respective hands and seals, the day, month and year herein above mentioned.

a. SIGNED, SEALED AND DELIVERED

By the UNION BANK OF INDIA

by the hands of
Shri.

in the presence of
Shri.

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



a. SIGNED, SEALED AND DELIVERED
By M/s. _____ by the
_____ hands of
Shri. _____
in the presence of
Shri. _____

ANNEXURE A of CAMC Contract

EQUIPMENT LIST AND CHARGES

EQUIPMENT:	CHARGES (Rs.)	ANNUAL	Quarterly
			CHARGES (Rs.)
1) 4 channel CCTV	-----		
2) 8 channel CCTV	-----		
3) 16 channel CCTV	-----		
4) Electronic alarm system	-----		
5) Fire alarm system	-----		
6) Time Lock Device	-----		
7) Biometric Access Control System	-----		

ANNEXURE B of CAMC Contract

EQUIPMENT LOCATED AT: (Name and Address of the office where the Equipment is installed).

List of Branches coming under AMC Vendor; M/s.	List of branches coming under AMC vendor; M/s.

Annexure C of AMC Contract

FORMAT OF AMC SERVICING - FIRE ALARM SYSTEM

Branch : _____ Date of Visit: _____

Make / Model	
No. of Zones	Two/Four
System Status	Working/ Not Working
No. of Sensors / detectors provided & Status	
No. of Hooters provided	

Limited Tender for Proposal (RFP) for Rate contract for Security Equipments - Kozhikode Region



	One/ Two/ Three	
Auto dialer provided	Yes / No	
Auto dialer connected & Configured	Yes / No. If no, give reason:	
Whether Auto Dialer was initiated by the technician and test call received on Branch Managers Mobile	(Yes/ No)	
If Yes give Phone nos. stored in auto dialer. 1) 101 (Mandatory) 2)		
3) 4) 5)		
Whether the System Connected with UPS Line.	(Yes/ No)	
Remarks		
Technicians Name and Signature	Branch Head's Sign & remarks with office seal	

FORMAT OF AMC SERVICING - BURGLAR ALARM SYSTEM

Branch : _____ Date of Visit: _____

Make / Model		
System Status		
No. of Magnetic Contacts with location	1) 2)	
	3) 4)	
Magnetic contact switch provided to ATM Vault door & Status	Yes / No; Working/ Not Working	
No. of Hooters provided	1) Inside Branch - Nos. 2) Out Side - Nos.	
No. of PIR Sensors with location	1) Working/ Not Working	
	2) Working/ Not Working	
	3) Working/ Not Working	
No. of Panic switches with location	1) Working/ Not Working	
	2) Working/ Not Working	
	3) Working/ Not Working	
Auto dialer provided	Yes / No	

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



Auto dialer connected & Configured	Yes/ No,	Working/ Not Working
If Yes give Phone nos. stored in auto dialer. (1) 100 Mandatory (2)		
(3) (4)		
Whether Auto Dialer was initiated by the technician and test call received on Branch Managers Mobile	(Yes/No)	
CCTV System Connected with UPS Line.	(Yes/ No)	
Remarks		
Technicians Name and Signature	Branch Head's Sign & remarks with office seal	

FORMAT OF AMC SERVICING - CCTV SYSTEM

Branch : _____ Date of Visit: _____

No. of Channels in DVR		No. of days recording available (_____ days)	From _____
Make / Model		HDD Capacity available for Video Recording	
Recording Resolution		(Yes/ No)	
Recording speed	25 Fps at 1080P	(Yes/ No)	
CCTV System Connected with UPS Line.		(Yes/ No)	
No. of IR Cameras fitted with location of cameras			
No. of ordinary Cameras fitted with location of cameras			
Remarks			
Technicians Name and Signature	Branch Head's Sign & remarks with office seal		

APPENDIX-A

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose *beneficial owner* is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- IV. The *beneficial owner* for the purpose of (iii) above will be as under:
 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
Explanation—
 - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;

- b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- [To be inserted in tenders for Works contracts, including Turnkey contracts]* The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



**UNION BANK OF INDIA
REGIONAL OFFICE - KOZHIKODE
1ST FLOOR, K.S.H.B COMPLEX,
VIKAS NAGAR, CHAKKORATHUKULAM,
EAST HILL ROAD, KOZHIKODE, KERALA - 673006.**

T +91 495 2772300 / +91 495 2772301

Email: rh.kozhikode@unionbankofindia.com

**REQUEST FOR PROPOSAL (RFP)
FOR
FINILISING THE RATE CONTRACT FOR
SUPPLY, INSTALLATION & MAINTENACE OF SECURITY EQUIPMENTS (SREs)
IN BRANCHES /OFFICES / ATMs OF UNION BANK OF INDIA
KOZHIKODE REGION**

PART - II

PRICE BID

ANNEXURE VIII

(Submitted by bidders on their letter head)

To

The Assistant General Manager

Union Bank of India
Regional Office Kozhikode
1st Floor, KSHB Complex, Vikas Nagar
Chakkorathukulam, East Hill Road
Kozhikode, Kerala - 673006

Dear Sir,

**Reg.: Price Bid for Supply, Installation & Maintenance Of Security Equipments -
Union Bank of India - Regional Office Kozhikode**

With reference to the tenders invited by you on behalf of the Assistant General Manager, Union Bank of India, Regional Office, Kozhikode for Supply & Maintenance Of Security Equipments, we submit our Price Bid Document herewith in the attached rate sheets as under:-

Sl. No.	Description	Annexure	Enclosed (Yes/No)
a)	Rate sheet for SITC of 4 packages of CCTV Systems (DVR based)	A	
b)	Rate sheet for SITC of 4 packages of CCTV Systems (NVR based)	B	
c)	Rate sheet for SITC of 2 packages of Fire Detection & Alarm System (FAS)	C	
d)	Rate sheet for SITC of 2 packages of Electronic Alarm System (EAS)	D	
e)	Rate sheet for Component (Spares) cost of CCTV System	E	
f)	Rate sheet for Component (Spares) cost of FAS	F	
g)	Rate sheet for Component (Spares) cost of EAS	G	
h)	Rate sheet for shifting premises, buy back value, etc.	H	
i)	Rate sheet for Time Lock and Biometric Access Control System	I	

I / We confirm that the rate mentioned above are for the make / brand / model of the equipment / systems (CCTV System, Fire Detection and Alarm System, Electronic Alarm System, Time Lock and Biometric Access Control System as applicable) given in the Technical Bid and we will be demonstrating the same during product demonstration.

I / We confirm that the rate mentioned above are applicable to the CCTV System, Fire Detection and Alarm System and Electronic Alarm Systems presently installed at the Branches, Offices and ATMs of Union Bank of India irrespective of make / brand / model and vintage of the equipment / systems.

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



I / We confirm that refurbished goods/ old wiring is not permitted in the new installation.

I / We understand that the prices finalized and AMC Charges shall remain valid for a period of 36 months from the date of finalization of bids. We also understand that the rates fixed at the time of contract will be non-negotiable and no revision will be permitted.

Yours faithfully,

Authorised Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR SITC OF 4 PACKAGES OF CCTV SYSTEMS (DVR
BASED)**

**Commercial Bid
Annexure VIII (A)**

Package cost for Supply, Installation, Testing and Commissioning (SITC) of DVR Based CCTV Systems with components as under (excluding GST):

Sr	Description	Den o	PACKAGE - A	PACKAGE - B	PACKAGE - C	PACKAGE - D
			4-Channel DVR with 4 Cameras	16-Channel DVR with 8 Cameras	16-Channel DVR with 12 Cameras	16-Channel DVR with 16 Cameras
1	4-Channel HD DVR with 2 SATA Ports	1 No.	1	0	0	0
2	16-Channel HD DVR with 8 SATA Ports	1 No.	0	1	1	1
3	Surveillance HDD 4 TB	1 No.	2	4	6	8
4	2 MP Fixed HD True WDR IR Dome Camera	1 No.	1	3	6	4
5	2 MP Varifocal HD True WDR IR Dome Camera	1 No.	1	4	4	8
6	Pin Hole Camera	1 No.	1	0	0	0
7	2 MP Varifocal HD True WDR IR Bullet Camera	1 No.	1	1	2	4
8	21" Full HD LED Monitor	1 No.	1	1	0	0
9	26" Full HD LED Monitor	1 No.	0	0	1	1
10	HDMI Cable - 5 Mtrs	1 No.	1	1	1	1
11	6U Network Rack	1 No.	1	1	1	1
12	SMPS Unit - for 4 cameras	1 No.	2	2	3	4
13	Wireless Mouse	1 No.	1	1	1	1
14	RG-6 coaxial cable in ISI marked PVC conduit **		40m	140m	180m	220m
15	2 Core 1.5 sqmm power cable in ISI marked PVC conduit **		40m	140m	180m	220m
16	Any other component left out to be quoted:- (a) (b) (c)					
17	Minimum Recording required		90 days with all cameras set at continuous recording at 25 fps and 1080P			

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



[I]	Total Package cost for SITC of CCTV Systems above [Table-I]	
(A)	COST OF PACKAGE "A" =	₹
(B)	COST OF PACKAGE "B" =	₹
(C)	COST OF PACKAGE "C" =	₹
(D)	COST OF PACKAGE "D" =	₹
[I]	TOTAL [I] = (A) + (B)+ (C)+ (D)	Rs.

Warranty Period offered for the new CCTV systems
(Comprehensive on-site warranty Minimum 12 Months)

Months

[II]	Yearly Comprehensive Annual Maintenance Contract (CAMC) charges of CCTV Systems (DVR Based) System of any brand (Make / Model) and vintage [Table-II]		
Ser	Description	Yearly CAMC Charges	CAMC Charges for 3 Years
(A)	4-Channel CCTV System	₹	₹
(B)	8-Channel CCTV System	₹	₹
(C)	16-Channel CCTV System	₹	₹
[II]	TOTAL [II] = (A) + (B) + C)	₹	₹

[III]	AMOUNT FOR DETERMINING L1 VENDOR - DVR BASED CCTV SYSTEM	
Ser	Description	Amount (Rs.)
[I]	Total cost for SITC of CCTV systems [Total of Table I]	₹
[II]	CAMC charges of CCTV Systems for 3 years [Total of Table II]	₹
[III]	[III] = [I] + [II]	
Amount in words: Rupees		

Authorized Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR SITC OF 4 PACKAGES OF CCTV SYSTEMS (NVR
BASED)**

**Commercial Bid
Annexure VIII (B)**

Package cost for Supply, Installation, Testing and Commissioning (SITC) of NVR
Based CCTV Systems with components as under (excluding GST):

<u>Ser</u>	<u>Description</u>	<u>Deno</u>	<u>PACKAGE - A</u>	<u>PACKAGE - B</u>	<u>PACKAGE - C</u>	<u>PACKAGE - D</u>
			16-Channel NVR with 12 Cameras	16-Channel NVR with 16 Cameras	32-Channel NVR with 16 Cameras	32-Channel DVR with 32 Cameras
1	16-Channel NVR with 4 SATA Port	No.	1	1	0	0
2	32-Channel NVR with 8 SATA Port	No.	0	0	1	1
3	Surveillance HDD - 6 TB	No.	2	4	4	8
4	2 MP IP based HD IR Dome Camera, Fixed Lens	No.	4	8	8	18
5	2 MP IP based HD IR Dome Camera, Varifocal Lens with 128 GB SD Card	No.	4	4	4	6
6	2 MP IP based HD IR Bullet Camera, Fixed Lens	No.	2	2	2	4
7	2 MP IP based HD IR Bullet Camera, Varifocal Lens	No.	2	2	2	4
8	PoE Switch, 8 port	No.	2	2	2	4
9	21" Full HD LED Monitor	No.	1	0	0	0
10	26" Full HD LED Monitor	No.	0	1	1	0
11	32" Full HD LED Monitor	No.	0	0	0	1
12	HDMI Cable - 5 Mtrs	No.	1	1	1	1
13	6U Network Rack	No.	1	1	1	1
14	Wireless Mouse	No.	1	1	1	1
15	Any Other component left out:- (a) (b) (c)					
16	CAT 6E cable in PVC conduit		As per actual requirement at the site. For cabling / wiring / PVC conduits no extra charges to be claimed			
17	Power Supply units and cable					
18	Minimum Recording required		90 days with all cameras set at continuous recording at 25 fps and 1080P resolution			

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



[I]	Total Package cost for SITC of NVR BASED CCTV Systems above [Table-I]	
(A)	COST OF PACKAGE "A" =	₹
(B)	COST OF PACKAGE "B" =	₹
(C)	COST OF PACKAGE "C" =	₹
(D)	COST OF PACKAGE "D" =	₹
[I]	TOTAL [I] = (A) + (B)+ (C)+ (D)	Rs.

Warranty Period offered for the new NVR based CCTV systems (Comprehensive on-site warranty Minimum 12 months)	Months
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[II]	Yearly Comprehensive Annual Maintenance Contract (CAMC) charges of CCTV Systems (NVR Based) System of any brand (Make / Model) and vintage [Table-II]		
Ser	Description	Yearly CAMC Charges	CAMC Charges for 3 Years
(A)	16-Channel NVR based CCTV System	Rs.	₹
(B)	32-Channel NVR based CCTV System	Rs.	₹
[II]	TOTAL [II] = (A) + (B)	Rs.	₹

[III]	AMOUNT FOR DETERMINING L1 VENDOR - NVR BASED CCTV SYSTEM	
Ser	Description	Amount (Rs.)
[I]	Total cost for SITC of NVR based CCTV systems [Total of Table I]	₹
[II]	CAMC charges of NVR based CCTV Systems for 3 years [Total of Table III]	₹
[III]	[III] = [I] + [II]	₹
Amount in words : Rupees		

Authorised Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR SITC OF 2PACKAGES OF FIRE DETECTION &
ALARM SYSTEM (FAS)**

Commercial Bid
Annexure VIII (C)

Package cost for Supply, Installation, Testing and Commissioning (SITC) of Fire Detection and Alarm System with components as under (excluding GST):

Ser	Description	2 Zone FAS	4 Zone FAS
1.	4 Zone Master control panel without inbuilt auto dialer	0	1 No.
2.	2 Zone Master control panel without inbuilt auto dialer	1 No.	0
3.	PSTN based auto-dialer (External)	1 No.	1 No.
4.	Rechargeable SMF Batteries for 10 hrs power backup	1 Set	1 Set
5.	Smoke detectors (ISD)/OSD [if ISD not available]	6 Nos.	8 Nos.
6.	Smoke detectors (OSD)	3 Nos.	4 Nos.
7.	Heat detectors	1 No.	1 No.
8.	Response Indicators	3 Nos.	4 Nos.
9.	Flame Detector	1 Nos.	3 Nos.
10.	Manual Call Points (MCP)	2 Nos.	3 Nos.
11.	External hooters	2 Nos.	2 Nos.
12.	Cabling -1.5 sq.mm copper armored cable in ISI Conduit Pipes	As required	As required
13.	Any other component left out		
[I] Total Package cost for SITC of Fire Detection and Alarm Systems above [Table-I]			
(A)	COST OF 2 ZONE FAS	₹	
(B)	COST OF 4 ZONE FAS	₹	
[I]	TOTAL [I] = (A) + (B)	Rs.	
Warranty Period offered for the new systems (Comprehensive on-site warranty minimum 12 months)		Months	
[II]	Yearly Comprehensive Annual Maintenance Contract (CAMC) charges of Fire Detection and Alarm System of any brand (Make / Model) and vintage	(a) Yearly Charges	₹
		(b) For 3 Years = (a) x 3	₹

[III] AMOUNT FOR DETERMINING L1 VENDOR - Fire Detection and Alarm System		
Ser	Description	Amount (Rs.)
[I]	Total cost for SITC of FAS [Total of Table I]	₹
[II]	CAMC charges of FAS for 3 years [Total of Table II]	₹
[III]	[III] = [I] + [II b]	₹
Amount in words : Rupees		

Authorised Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR SITC OF 2PACKAGES OF ELECTRONIC ALARM
SYSTEM (EAS)**

**Commercial Bid
Annexure VIII (D)**

Package cost for Supply, Installation, Testing and Commissioning (SITC) of Electronic Alarm System with components as under (excluding GST):

Sl.No	Description	2 Zone EAS ATM	4 Zone EAS Branch
1.	4 Zone Electronic Alarm Control panel without inbuilt auto dialer	0	1 No.
2.	2 Zone microprocessor-based EAS control panel without auto-dialer (The control panel should have automatic changeover of Day - Night Mode at preset timings and setting of operational control of sensors).	1 No.	0
3.	PSTN based auto-dialer (External)	0	1 No.
4.	Rechargeable SMF Batteries for minimum 10 hrs power backup	1 Set	1 Set
5.	Magnetic Contact Sensors	4 Nos.	6 Nos.
6.	Panic Switches	0	12 Nos.
7.	Passive Infra-Red (PIR) Sensors	0	4 Nos.
8.	Vibration (Motion) Sensors	2 Nos.	4 Nos.
9.	Thermal Sensors	1 No.	
10.	Smoke Sensors	1 No.	
11.	Heat Sensors	1 No.	
12.	Pressure Switch	1 No.	
13.	External hooters	2 Nos.	3 Nos.
14.	4 Core Multi strand .75 sq. mm wire in ISI conduit pipes	As required	As required

[I]	Total Package cost for SITC of Electronic Alarm System above [Table-I]	
(A)	COST OF 2 ZONE EAS for ATM	₹
(B)	COST OF 4 ZONE EAS for BRANCH	₹
[I]	TOTAL [I] = (A) + (B)	Rs.

Warranty Period offered for the new systems (Comprehensive on-site warranty minimum 12 months)		Months
[II]	Yearly Comprehensive Annual Maintenance Contract (CAMC) charges of Electronic Alarm System of any brand (Make / Model) and vintage.	(a)Yearly Charges ₹
		(b) For 3 Years = (a) x 3 ₹

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



[III] AMOUNT FOR DETERMINING L1 VENDOR - ELECTRONIC ALARM SYSTEM		
Ser	Description	Amount
[I]	Total cost for SITC of EAS [Total of Table I]	₹
[II]	CAMC charges of EAS for 3 years [Total of Table II]	₹
[III]	[III] = [I] + [II b]	₹
Amount in words : Rupees		

Authorised Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR SITC OF COMBI CCTV SYSTEM FOR ATM -
PACKAGE**

**Commercial Bid
Annexure VIII (E)**

Package cost for Supply, Installation, Testing and Commissioning (SITC) of Combi CCTV System with components as under (excluding GST):

Sr	Description	Qty
1.	CCTV 4-Channel HD DVR with Inbuilt colour monitor	01
2.	Surveillance HDD - 1 TB	0
3.	Surveillance HDD - 2 TB	0
4.	Surveillance HDD - 4 TB	02
5.	Surveillance HDD - 6 TB	0
6.	Surveillance HDD - 8 TB	0
7.	2 MP Fixed HD True WDR IR Dome Camera	02
8.	2 MP Fixed HD WDR IR Bullet Camera	01
9.	Hidden / Pin Hole Camera	01
10.	SMPS Unit - 4 Camera output	01
11.	Network Rack	01
12.	RG-6 coaxial cable in ISI marked PVC conduit ***	40 m
13.	2 Core 1.5 sqmm power cable in ISI marked PVC conduit ***	40 m
14.	DVR Mouse	01
15.	Any other parts / components	

[I]	Total Package cost for SITC of Combi CCTV System above [Table-I]	
(A)	COST OF COMBI CCTV System	₹

Warranty Period offered for the new systems (Comprehensive on-site warranty minimum 12 months)	Months
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[II]	Yearly Comprehensive Annual	(a)Yearly Charges	₹
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Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



	Maintenance Contract (CAMC) charges of Electronic Alarm System of any brand (Make / Model) and vintage	(b) For 3 Years = (a) x 3	₹
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[III]	AMOUNT FOR DETERMINING L1 VENDOR - Comb I CCTV System	
Ser	Description	Amount
[I]	Total cost for SITC of Comb I CCTV [Total of Table I]	₹
[II]	CAMC charges of COMBI CCTV for 3 years [Total of Table III]	₹
[III]	[III] = [I] + [II b]	₹
Amount in words : Rupees		

Authorized Signatories
(Name, Designation and Seal of the Company / Firm)

RATE SHEET FOR COMPONENT (SPARES) COST OF CCTV SYSTEM

Commercial Bid
Annexure VIII (F)

Cost for Supply, Installation, Testing and Commissioning (SITC) of individual components of CCTV System is as under (excluding GST)

Ser	Description	Unit	Make / Brand	Model No.	Rate
1.	4-Channel HD DVR with 2 SATA Ports	1 No.			₹
2.	8-Channel HD DVR with 8 SATA Ports	1 No.			₹
3.	16-Channel HD DVR with 8 SATA Ports	1 No.			₹
4.	32-Channel HD DVR with 8 SATA Ports	1 No.			₹
5.	8-Channel NVR with 4 SATA Ports	1 No.			₹
6.	16-Channel NVR with 4 SATA Ports	1 No.			₹
7.	32-Channel NVR with 8 SATA Ports	1 No.			₹
8.	4-channel HD DVR with inbuilt colour monitor for ATM	1 No.			₹
9.	Surveillance HDD - 2 TB	1 No.			₹
10.	Surveillance HDD - 4 TB	1 No.			₹
11.	Surveillance HDD - 6 TB	1 No.			₹
12.	Surveillance HDD - 8 TB	1 No.			₹
13.	2 MP Fixed HD IR Dome Camera	1 No.			₹
14.	2 MP Fixed HD IR Bullet Camera	1 No.			₹
15.	2 MP Varifocal HD IR Dome Camera	1 No.			₹
16.	2 MP Varifocal HD IR Bullet Camera	1 No.			₹
17.	Hidden / Pin Hole Camera	1 No.			₹
18.	2 MP IP based HD IR Dome Camera, Fixed Lens	1 No.			₹
19.	2 MP IP based HD IR Dome Camera,	1 No.			₹

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



Ser	Description	Unit	Make / Brand	Model No.	Rate
	Varifocal Lens				
20.	2 MP IP based HD IR Bullet Camera, Fixed Lens	1 No.			₹
21.	2 MP IP based HD IR Bullet Camera, Varifocal Lens	1 No.			₹
22.	2 MP IP based HD IR Dome Camera, Fixed Lens with 128 GB SD Card	1 No.			₹
23.	2 MP IP based HD IR Dome Camera, Varifocal Lens with 128 GB SD Card	1 No.			₹
24.	2 MP IP based HD IR Bullet Camera, Fixed Lens with 128 GB SD Card	1 No.			₹
25.	2 MP IP based HD IR Bullet Camera, Varifocal Lens with 128 GB SD Card	1 No.			₹
26.	19" Full HD LED Monitor	1 No.			₹
27.	21" Full HD LED Monitor	1 No.			₹
28.	26" Full HD LED Monitor	1 No.			₹
29.	32" Full HD LED Monitor	1 No.			₹
30.	43" Full HD LED Monitor	1 No.			₹
31.	SMPS Unit for 4 Cameras	1 No.			₹
32.	SMPS Unit for 8 Cameras	1 No.			₹
33.	4U Network Rack with lock and key	1 No.			₹
34.	6U Network Rack with lock and key	1 No.			₹
35.	4/5 Port PoE switch	1 No.			₹
36.	8 Port PoE switch	1 No.			₹
37.	16 Port PoE switch	1 No.			₹
38.	24 Port PoE switch	1 No.			₹

Limited Tender for Proposal (RFP) for Rate contract
for Security Equipments - Kozhikode Region



Ser	Description	Unit	Make / Brand	Model No.	Rate
39.	RG-6 coaxial video cable in laid ISI marked PVC conduit	1 Mtr			₹
40.	2 Core 1.5 sqmm power cable laid in ISI marked PVC conduit	1 Mtr			₹
41.	CAT-6E cable laid in ISI marked PVC conduit	1 Mtr			₹
42.	HDMI Cable - 5 Mtrs	1 No.			₹
43.	Wireless Mouse	1 No.			₹
44.	Wired Mouse	1 No.			₹
45.	Wall mount for LED Monitor	1 No.			₹
46.	PVC Junction Box with IP66 rating for cameras (Size - 4" x 4" Square)	1 No.			₹
47.	64 GB SD Card for IP camera	1 No.			₹
48.	128 GB SD Card for IP camera	1 No.			₹
49.	AHD Dome Camera, 1.3 MP	1 No.			₹
50.	AHD Bullet Camera, 1.3 MP	1 No.			₹
51.	Any other parts / components		Separate list to be attached		₹

Authorized Signatories
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CAMC Charges for CCTV system are to be quoted separately for each package as follows:-

Sl	No. of Channel of DVR / NVR	No. of Cameras	AMC Rate applicable	Rate
1	4 Channel Combi for ATM	04	04 Channel ATM CCTV	Same Quoted at Annexure VIII(E)
2	4 Channel DVR	04	04 Channel DVR with 4 Camera	Same Quoted at Annexure VIII(A)
3	16 Channel DVR	05-10 Cameras	16 Channel DVR with 08 Camera	Same Quoted at Annexure VIII(A)
4	16 Channel DVR	11 to 16 Cameras	16 Channel DVR with 16 Camera	Same Quoted at Annexure VIII(A)
5	16 Channel NVR	Up to 20 Cameras	16 Channel NVR with 16 Camera	Same Quoted at Annexure VIII(B)
6	32 Channel NVR	21-32 Camera	32 Channel NVR with 32 Camera	Same Quoted at Annexure VIII(B)

Authorized Signatories
(Name, Designation and Seal of the Company / Firm)

**RATE SHEET FOR COMPONENT (SPARES) COST OF FIRE
DETECTION AND ALARM SYSTEM**

Commercial Bid
Annexure VIII (G)

Cost for Supply, Installation, Testing and Commissioning (SITC) of individual components of Fire Detection and Alarm System is as under (excluding GST)

Ser	Description	Unit	Make / Brand	Model No.	Rate
1.	2 Zone microprocessor-based FAS control panel with inbuilt PSTN auto-dialer	1 No.			₹
2.	4 Zone microprocessor-based FAS control panel with inbuilt PSTN auto-dialer	1 No.			₹
3.	2 Zone microprocessor-based FAS control panel without auto-dialer	1 No.			₹
4.	4 Zone microprocessor-based FAS control panel without auto-dialer	1 No.			₹
5.	PSTN auto-dialer (External)	1 No.			₹
6.	GSM auto-dialer (External)	1 No.			₹
7.	SMF Battery, 7 AH, 12 Volt	1 No.			₹
8.	SMF Battery, 14 AH, 12 Volt	1 No.			₹
9.	Flame detectors	1 No.			₹
10.	Smoke detectors (ISD)	1 No.			₹
11.	Smoke detectors (OSD)	1 No.			₹
12.	Heat detectors	1 No.			₹
13.	Response indicators	1 No.			₹
14.	Manual Call Points	1 No.			₹
15.	External hooters	1 No.			₹
16.	LPG Leak detectors	1 No.			₹
17.	Cabling -1.5 sq.mm copper armored cable with ISI marking	1 Mtr			₹
18.	Any other parts / components		Separate list to be attached		₹

**Authorized Signatories
(Name, Designation and Seal of the Company / Firm)**

**RATE SHEET FOR COMPONENT (SPARES) COST OF ELECTRONIC
ALARM SYSTEM (EAS)**

Commercial Bid
Annexure VIII (H)

Cost for Supply, Installation, Testing and Commissioning (SITC) of individual components of Electronic Alarm System is as under (excluding GST)

Ser	Description	Unit	Make / Brand	Model No.	Rate
1.	2 Zone microprocessor-based EAS control panel with inbuilt PSTN auto-dialer	1 No.			₹
2.	4 Zone microprocessor-based EAS control panel with inbuilt PSTN auto-dialer	1 No.			₹
3.	2 Zone microprocessor-based EAS control panel without auto-dialer	1 No.			₹
4.	4 Zone microprocessor-based EAS control panel without auto-dialer	1 No.			₹
5.	PSTN based auto-dialer (External)	1 No.			₹
6.	GSM based auto-dialer (External)	1 No.			₹
7.	SMF Battery, 7 AH	1 No.			₹
8.	SMF Battery, 14 AH	1 No.			₹
9.	Magnetic Contact Sensors	1 No.			₹
10.	Panic Switches (Hand Operated)	1 No.			₹
11.	Panic Switches (Pedal)	1 No.			₹
12.	Passive Infra-Red (PIR) Sensors	1 No.			₹
13.	Vibration (Motion) Sensors	1 No.			₹
14.	Heat detector	1 No.			₹
15.	External hooters	1 No.			₹
16.	4 Core Multi strand .75 sq. mm wire in ISI conduit pipes	1 Mtr			₹
17.	Light sensors	1 No.			₹
18.	Pressure switches	1 No.			₹
19.	Rolling shutter contact sensors	1 No.			₹
20.	Wireless (cordless) switches	1 No.			₹
21.	Any other parts / components		Separate list to be attached		₹

Authorized Signatories
(Name, Designation and Seal of the Company / Firm)

RATE SHEET FOR COMPONENT (SPARES) COST OF COMBI CCTV SYSTEM)

Commercial Bid
Annexure VIII (I)

Ser	Description	Quantity	Make/ Brand	Model No.	Rate
1.	CCTV 4-Channel HD DVR with Inbuilt colour monitor	01			₹
2.	Surveillance HDD - 1 TB	0			₹
3.	Surveillance HDD - 2 TB	0			₹
4.	Surveillance HDD - 4 TB	02			₹
5.	Surveillance HDD - 6 TB	0			₹
6.	Surveillance HDD - 8 TB	0			₹
7.	2 MP Fixed HD True WDR IR Dome Camera	02			₹
8.	2 MP Fixed HD WDR IR Bullet Camera	01			₹
9.	Hidden / Pin Hole Camera	01			₹
10.	SMPS Unit - 4 Camera output	01			₹
11.	Network Rack with lock and key	01			₹
12.	CCTV Co-Axial Cable laid in ISI marked PVC conduits	As Reqd.			₹
13.	DVR Mouse	01			₹
14.	Any other parts / components	Separate list to be attached			₹

Authorised Signatories
(Name, Designation and Seal of the Company / Firm)

RATE SHEET FOR SHIFTING PREMISES, BUY BACK VALUE, ETC.

Commercial Bid
Annexure VIII (J)

Sr. No.	Description Sr. No.	Rate
1.	Labor charges for shifting premises for 4-channel CCTV system	₹
2.	Labor charges for shifting premises for 8-channel CCTV system	₹
3.	Labor charges for shifting premises for 16-channel CCTV system	₹
4.	Labor charges for shifting premises for Fire Detection and Alarm System	₹
5.	Labor charges for shifting premises for Electronic Alarm System	₹
6.	Buy Back value of existing 4-Channel System in “as is” condition (Minimum Buy Back value Rs.1000/-)	₹
7.	Buy Back value of existing 8-Channel System in “as is” condition (Minimum Buy Back value Rs.2000/-)	₹
8.	Buy Back value of existing 16-Channel System in “as is” condition (Minimum Buy Back value Rs.3000/-)	₹
9.	Buy Back value of existing Fire Detection and Alarm System in “as is” condition (Minimum Buy Back value Rs.1000/-)	₹
10.	Buy Back value of existing Electronic Alarm System in “as is” condition (Minimum Buy Back value Rs.1000/-)	₹
11.	Buy Back value of existing Time Lock Device in “as is” condition (Minimum Buy Back value Rs.1000/-)	₹
12.	Buy Back value of existing Biometric Access Control Device in “as is” condition (Minimum Buy Back value Rs.1000/-)	₹

Authorised Signatories

(Name, Designation and Seal of the Company / Firm)

Note:

- Vendor has to mandatory quote minimum buy back rate; **bids without buy back rates will be summarily rejected.**
- The bank will levy applicable GST on buyback value quoted in the Price bid.
- Under buy back clause, vendor has to take back old equipments including wiring. If any vendor fails to remove old cables/ equipment, bank will have right to task the job to other empanelled vendor and charges for the same will be deducted from the approved rate for installation of new system.

RATE SHEET FOR TIME LOCK AND BIOMETRIC ACCESS CONTROL SYSTEM

Commercial Bid
Annexure VIII (K)

(A) Cost for Supply, Installation, Testing & Commissioning (SITC) and maintenance of Time Lock and Biometric Access Control System is as under (excluding GST)

[I]

Ser	Description Sr. No.	Make / Brand	Model No.	Rate
a.	Time Lock (Digital Type)			₹
b.	Bio Metric Access Control System			₹

(B) Yearly Comprehensive Annual Maintenance Contract (CAMC) charges of other security equipment is as under (excluding GST),

[II]

Ser	Description Sr. No.	Yearly CAMC Charges	CAMC Charges for 3 Years
a.	Time Lock (Digital Type)	₹	₹
b.	Bio Metric Access Control System	₹	₹

[III]	AMOUNT FOR DETERMINING L1 VENDOR - TIME LOCK	
Ser	Description	Amount
[I a]	Total cost for SITC of Time Lock [Total of Table I]	₹
[II a]	CAMC charges of Time Lock for 3 years [Total of Table II a]	₹
[III]	[III] = [I a] + [II a]	₹
Amount in words : Rupees		

[III]	AMOUNT FOR DETERMINING L1 VENDOR - BIOMETRIC ACCESS CONTROL SYSTEM	
Ser	Description	Amount
[I b]	Total cost for SITC of Biometric Access Control System [Total of Table I]	₹
[II b]	CAMC charges of Biometric Access Control System for 3 years [Total of Table II b]	₹
[III]	[III] = [I b] + [II b]	₹
Amount in words : Rupees		

Limited Tender for Proposal (RFP) for Rate contract
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Warranty Period offered for the new systems (Comprehensive on-site warranty minimum 12 months)	Months
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Note:

- *Rate of all components except wiring / cabling is given for a single qty (In Nos.)
- *Rate of wiring / cabling is given as Cost per metre
- * Vendor has to mandatory quote minimum buy back rate Annexure VIII (J) ;bids without buy back rates will be summarily rejected.

CHECK LIST FOR FILLING TECHNICAL BID & PRICE BID

1. The entire RFP Document is to be signed on all pages by the Authorised Signatory of the bidder and is to be submitted along with Technical Bid.
2. **Annexures I to VII** of this RFP are to be filled, duly signed by the Authorised Signatory and is to be submitted with the Technical Bid with relevant supporting documents.
3. The Technical Bid should not contain price of any of the equipments / components. Only technical details / make / model of the equipments are to be mentioned in the technical bid.
4. **Annexure VIII** (Rate Sheet for Price Bid) is to be submitted along with the Price Bid.
5. Unit prices of all items, including optional items must be quoted in WORDS AND FIGURES.
6. The Total cost includes Service charges & installation Charges and the rates should be quoted in Indian Rupees only. The only component which is to be excluded in the price bid is GST. (GST will be paid at the applicable rate against tax invoice mentioning the HSN / SAC Code of the item / services).
7. In case of any discrepancy, unit prices quoted in words will be considered for computation of TCO.
8. Bank reserves the right to reject a bid, if a vendor quotes CAMC rate/ price beyond economic viable amount.

Authorized Signatories
(Name & Designation, seal of the firm)
Date:

Date:

(END OF RFP DOCUMENT)